Culver City Police Department CCPD Policy Manual

Military Equipment Funding, Acquisition and Use Policy (Draft Policy)

PURPOSE AND SCOPE

The purpose of this policy is to provide guidelines for the approval, acquisition, and reporting requirements of "military equipment" as defined in the California Government Code. (See Government Code §§ 7070- 7072). The Culver City Police Department does not possess any tactical equipment that it has obtained from the military, nor does it possess any equipment that is designed solely for military use.

PHILOSOPHY

The acquisition of military equipment and its deployment in our communities may impact the public's safety and welfare. The public has a right to know about any funding, acquisition, or use of military equipment by local government officials, as well as a right to participate in any government agency's decision to fund, acquire, or use such equipment. Decisions on whether and how to fund, acquire, or use military equipment will be made with strong consideration for the public's welfare, safety, civil rights, and civil liberties and also account for the public's input.

Members of the Culver City Police Department will only use military equipment in compliance with federal and state legal authorities, including the Fourth and Fifth Amendments of the U.S. Constitution; Article 1, Section 1 of the California Constitution; Government Codes § 7286 and 12525.2; and California Penal Codes §§ 835a and 13652 as well as the Culver City Police Department's Duty Manual and General Orders. Members of the Culver City Police Department will only use military equipment consistent with applicable Department rules and regulations, including the Use of Force Policy (Section 300) contained in the Culver City Police Department Duty Manual.

APPROVAL OF THE GOVERNING BODY

The Chief of Police or his/her authorized designee shall seek approval for this policy from the governing body in the form of an ordinance adopting the policy. As part of the approval-seeking process, the Chief of Police, or his/her authorized designee, will submit the proposed military equipment policy to the governing body and make it available on the Department website at least 30 days prior to any public hearing concerning the military equipment at issue (Government Code § 7071).

The governing body must approve the policy prior to the Department or its members engaging in any of the following (Government Code § 7071):

- (a) Requesting military equipment made available by the U.S. Department of Defense pursuant to 10 USC § 2576a.
- (b) Seeking funds for military equipment, including but not limited to applying for a grant, soliciting, or accepting private, local, state, or federal funds, in-kind donations, or other donations or transfers.
- (c) Acquiring military equipment either permanently or temporarily, including by borrowing or leasing.
- (d) Collaborating with another law enforcement agency in the deployment or other use of military equipment within the jurisdiction of this department.
- (e) Using any new or existing military equipment for a purpose, in a manner, or by a person not previously approved by the governing body.
- (f) Soliciting or responding to a proposal for, or entering into an agreement with, any other person or entity to seek funds for, apply to receive, acquire, use, or collaborate in the use of military equipment.
- (g) Acquiring military equipment through any means not provided above.

DEFINITIONS

Definitions related to this policy include (Government Code § 7070):

Governing body - The City Council of Culver City.

Military equipment categories - Includes the following:

- Unmanned, remotely piloted, powered aerial or ground vehicles.
- Mine-resistant ambush-protected (MRAP) vehicles or armored personnel carriers.
- High mobility multipurpose wheeled vehicles (HMMWV), two-and-one-half-ton trucks, five-ton trucks, or wheeled vehicles that have a breaching or entry apparatus attached.
- Tracked armored vehicles that provide ballistic protection to their occupants
- Command and control vehicles that are either built or modified to facilitate the operational control and direction of public safety units.
- Weaponized aircraft, vessels, or vehicles of any kind.
- Battering rams, slugs, and breaching apparatuses that are explosive in nature. This
 does not include a handheld, one-person ram.
- Firearms and ammunition of .50 caliber or greater, excluding standard-issue shotguns and standard-issue shotgun ammunition.
- Specialized firearms and ammunition of less than .50 caliber, including firearms and accessories identified as assault weapons in Penal Code § 30510 and Penal Code

- § 30515, with the exception of standard-issue handguns.
- Any firearm or firearm accessory that is designed to launch explosive projectiles.
- Noise-flash diversionary devices and explosive breaching tools.
- Munitions containing tear gas or OC, excluding standard, service-issued handheld pepper spray.
- TASER® Shockwave, microwave weapons, water cannons, and long-range acoustic devices (LRADs).
- Kinetic energy weapons and munitions.
- Any other equipment as determined by a governing body or a state agency to require additional oversight.

POLICY

It is the policy of the Culver City Police Department that there are legally enforceable safeguards, including transparency, oversight, and accountability measures in place to protect the public's welfare, safety, civil rights, and civil liberties before military equipment is funded, acquired, or used.

The Department, through the designated Military Equipment Coordinator, will train members of the Department to use military equipment only in accordance with this Policy, the Culver City Police Department Duty Manual, as well as federal, state, and local laws and ordinances. Members using military equipment for uses not identified as approved uses in the Military Equipment Inventory are subject to discipline, up to and including termination. All instances of non-compliance will be reported to City Council via the annual military equipment report.

The City Council has independent oversight of the Department's compliance with this Policy.

MILITARY EQUIPMENT COORDINATOR

The Chief of Police will designate a member of this Department to act as the Military Equipment Coordinator ("Coordinator"). The responsibilities of the Coordinator include:

- (a) Acting as a liaison to the governing body for matters related to the requirements of this policy.
- (b) Identifying Department equipment that qualifies as "military equipment" as defined in Government Code § 7070, in the current possession of the Department, or the equipment the Department intends to acquire, that requires approval by the governing body.
- (c) Conducting an inventory of all military equipment at least annually.
- (d) Collaborating with any allied agency that may use military equipment within the jurisdiction of Culver City Police Department (Government Code § 7071).
- (e) Preparing for, scheduling, and coordinating the annual community engagement meeting to include:
 - Publicizing the details of the meeting.
 - Preparing for public questions regarding the department's funding, acquisition, and use of equipment.

- (f) Preparing the annual military equipment report for submission to the Chief of Police Use of force and ensuring that the report is made available on the department website (GovernmentCode § 7072).
- (g) Receive and timely response to public concerns, complaints, or questions regarding the use of military equipment.

PUBLIC COMPLAINTS, CONCERNS, AND QUESTIONS

Concerns, complaints, and questions regarding the use of military equipment may be submitted in writing to:

Attn: Military Equipment Coordinator

4040 Duquesne Ave, Culver City, CA 90232

Email: Chief.police@culvercity.org

Telephonic complaints regarding the use of military equipment may be made by calling the Culver City Police Department Professional Standards Unit at (310) 253-6211.

Whenever practical, the Coordinator will respond to concerns, complaints, and questions within 30 calendar days of receipt. As outlined in Culver City Duty Manual Section 1008, all complaints will be thoroughly investigated in accordance with federal, state, local laws, and ordinances.

The Coordinator will track complaints, concerns, questions received, and the responses provided, in order to be able to include the information in the Annual Report described below.

MILITARY EQUIPMENT INVENTORY

The following constitutes a list of qualifying equipment in the possession of the Department:

See the section labeled: MILITARY EQUIPMENT INVENTORY.

COORDINATION WITH OTHER JURISDICTIONS

Culver City Police Department will not collaborate with other law enforcement agencies to use military equipment in this jurisdiction unless the military equipment is approved for use and used in accordance with this policy. The following constitutes a list of qualifying equipment in the Department's possession that may be used in collaboration with another Department:

See attachment: MILITARY EQUIPMENT NOT OWNED BY DEPARTMENT SUBJECT TO COLLABORATIVE USE pdf

ANNUAL REPORT

Upon approval of the military equipment policy, the Chief of Police or their authorized designee will submit a military equipment report to the governing body for each type of military equipment approved within one year of approval and annually thereafter, for as long as the military equipment is available for use (Government Code § 7072).

The annual military use equipment report will include, for each type of military equipment:

(1) A summary of how the military equipment was used and the purpose of its use.

- (2) A summary of any complaints or concerns received concerning the military equipment.
- (3) The results of any internal audits, any information about violations of the military equipment use policy, and any actions taken in response.
- (4) The total annual costs for each type of military equipment, including acquisition, personnel, training, transportation, maintenance, storage, upgrade, and other ongoing costs, and from what source funds will be provided for the military equipment in the calendar year following submission of the annual military equipment report.
- (5) The quantity possessed for each type of military equipment.
- (6) If the law enforcement agency intends to acquire additional military equipment in the next year, the quantity sought for each type of military equipment.

The Chief of Police or the authorized designee will make each annual military equipment report publicly available on the department website for as long as the military equipment is available for use. The report shall include all information required by Government Code § 7072 for the preceding calendar year for each type of military equipment in department inventory.

COMMUNITY ENGAGEMENT

Within 30 days of submitting and publicly releasing the annual report, the Department will hold at least one well-publicized and conveniently located community engagement meeting, at which the Department will discuss the report and respond to public questions regarding the funding, acquisition, or use of military equipment.

ATTACHMENTS

MILITARY EQUIPMENT INVENTORY PDF

 Robot (Category 1): Not yet obtained. To be purchased after the acquisition of approved grant funds.

a. Description, quantity, capabilities, and purchase cost:

The Transcend Tactical Vantage F3 Robot is a remotely controlled unmanned machine that operates on the ground, which is utilized to enhance the safety of the community and officers. This device can be remotely operated from many hundred meters away, providing protection and safety to their operators. The utilization of this Robot allows for de-escalation and the peaceful surrender and arrest of a violent suspect while reducing the potential of an armed confrontation with officers that may lead to a lethal conclusion.

b. Purpose:

To be used as a de-escalation tool and to remotely gain visual/audio data, deliver CNT phone, open doors, disrupt packages, clear buildings, and administer tear gas during a barricaded suspect incident (with explicit direction form Bureau Commander or Police Chief). While remote observation is the primary function of the Robot, these auxiliary roles of transporting communication devices or other resources (such as food or water) into an inherently unstable situation, will help promote a peaceful conclusion.

c. Authorized Use:

- Can be operated after supervisor approval and only by trained officers during critical incidents or pre-planned tactical operations.
- II. During Department-approved training exercises.
- III. The Gas Deployment Accessory can only be used after approval from a Bureau Commander or Chief of Police.
- IV. In compliance with Department policy and procedures, as well as federal, state, and local laws and ordinances.

d. Expected Lifespan:

N/A

e. Fiscal Impact:

Robot: \$25,000.00

Gas Deployment Accessory: \$6,000.00

NOTE: Robot and Accessory will be fully funded by Urban Areas Security Initiative (UASI) program grant.

Unmanned Aerial Vehicles (Category 1)

a. Description, quantity, capabilities, and purchase cost:

DJI Matrice 210 unmanned aerial vehicle (UAV) Cost: \$7422.80 each. Quantity:
 The DJI Matrice 210 is a commercial-grade UAV. This UAV is a battery-powered, remote-operated device. Controller: GL800A Cendence controller with tablet holder attachment. The controller allows operators to control UAV and view

- a live feed from UAV-mounted cameras through an attached and connected tablet. Cameras (2): Zenmuse Z30 RGB camera and Zenmuse XT camera with FLIR capabilities. The cameras allow operators to switch between standard RGB cameras and views based on the heat of objects within the frame. Flight time of approximately 15-25 minutes per battery, depending on weather and flight conditions. Capabilities: Commonly used by construction and utility companies for the inspection of buildings, powerlines, windmills, and other infrastructure. This UAV has also proven to be useful to public safety agencies in firefighting, search and rescue, pre-operational intelligence, and other tactical situations where aerial views enhance the safety and efficiency of law enforcement and fire personnel. The manufacturer's description is attached.
- 2. DJI Mavic 2 Enterprise Advanced unmanned aerial vehicle (UAV), cost: \$6240.00 each. Quantity: 4. The DJI Mavic 2 Enterprise Advanced is a commercial-grade UAV. This UAV is a battery-powered, remote-operated device. Controller: DJI Smart Controller All-in-one controller with 5.5- inch integrated screen. The controller allows operators to control UAV and view a live feed from UAV-mounted Cameras: Integrated M2EA camera with dual RGB and FLIR cameras. capabilities. The camera provides operators with the ability to switch between standard RGB camera and views based on the heat of objects within frame. Flight time of approximately 25-30 minutes per battery, depending on weather and flight conditions. Commonly used by construction and utility companies for the inspection of buildings, powerlines, windmills, and other infrastructure. This UAV has also proven to be useful to public safety agencies in firefighting, search and rescue, pre-operational intelligence, and other tactical situations where aerial views enhance the safety and efficiency of law enforcement and fire personnel. The manufacturer's description is attached.
- 3. DJI Phantom Pro 4 unmanned aerial vehicle (UAV), cost: \$1566.40 each. Quantity: 2. The DJI Phantom Pro 4 is a commercial-grade UAV. This UAV is a battery-powered, remote-operated device. Controller: DJI GL300F controller with tablet holder attachment. The controller allows operators to control UAV and view a live feed from UAV-mounted cameras through an attached and connected tablet. Cameras: Integrated camera with RGB capabilities. Flight time of approximately 25-30 minutes per battery, depending on weather and flight conditions. Commonly used by construction and utility companies for the inspection of buildings, powerlines, windmills, and other infrastructure. This UAV has also proven to be useful to public safety agencies in firefighting, search and rescue, pre-operational intelligence, and other tactical situations where aerial views enhance the safety and efficiency of law enforcement and fire personnel. The manufacturer's description is attached.
- 4. Sky-Hero Loki Mk2 unmanned aerial vehicle (UAV) Cost: \$9750.00. Quantity: 2 (sold as a set //two aircraft, one controller). The Sky-Hero Loki Mk2 is a commercial-grade UAV. This UAV is a battery-powered, remote-operated device. Controller: Sky-Hero controller with 5- inch integrated screen. The controller allows operators to control UAV and view a live feed from UAV-mounted cameras. Cameras: Integrated camera with dual RGB and IR capabilities. The cameras provide operators with the ability to see in low-light indoor environments. Flight time of approximately 15 minutes per battery. This UAV is a specialized indoor tactical reconnaissance vehicle. Intended use is for public safety agencies in indoor tactical operations, where the view from an unmanned vehicle will significantly enhance the safety of law enforcement personnel and others within

the operational area. The manufacturer's description is attached.

b. Purpose:

To be deployed when its view would assist officers or incident commanders with the following situations, which include:

- I. Barricaded Suspects
- II. Active Shooter/ Mass Casualty Incidents
- III. Hostage Situations
- IV. Crime Scene Investigations
- V. Search & Rescue Operations
- VI. Fires
- VII. Disaster Management
- VIII. CBRNE Incident (chemical, biological, radiological, nuclear, and/or explosive)
- IX. Supporting Search and Arrest Warrant Operations
- X. Perimeter Searches for Armed and/or Felony Suspects
- XI. Routine Training (public places)

c. Authorized Use:

- I. Only assigned operators who have completed the required FAA training and have a current FAA Part 107 Remote Pilot Certificate shall be permitted to operate the above-listed UAVs during approved missions.
- II. Requests to deploy the UAV shall be approved by the on-duty Watch Commander, supervisor on scene, or the UAV Manager prior to accepting the mission.
- III. In compliance with Department Policy 349 (Unmanned Aerial Vehicle Operations), as well as federal, state, and local laws and ordinances.

d. Expected Lifespan:

10 years

e. Fiscal Impact:

No known annual maintenance cost.

3. Armored Personnel Carrier (Category 2 & 3)

a. Description, quantity, capabilities, and purchase cost:

Two (2) Ford Transit Vans 350HD, extended roof, V6, 6-speed automatic, outfitted and equipped with the following: NIJ III level vehicle armoring, 360-degree exterior camera system, upgraded HD hinges, breaching tool storage, rear bench seating with seatbelts, interior grab rails, automatic door opening system, rear compartment A/C and heater, medical supplies and equipment, HD tires with runflat tire inserts, HD removable side, and rear steps, front push-bars, custom exterior side grab rails, emergency roof escape hatch, police lights and siren packages, police communication radios (front & rear) and ATF approved bench storages.

Both armored vans seat 10-12 people with an open floor plan that allows for the rescue of down personnel. In addition, the vans can stop various projectiles, which provides greater safety to citizens, officers, and EMS personnel beyond the protection level of a shield and/or personal body armor.

b. Purpose:

To be deployed when it would assist officers, EMS personnel, or the Incident Commander with the following situations, which include:

- I. Active shooter/mass casualty incidents
- II. Rescue operations
- III. Supporting search and arrest warrant operations
- IV. Barricaded suspect operations
- V. Hostage operations
- VI. During encounters with self-destructive, violent, dangerous, and/or combative subjects
- VII. During department-approved training exercises

c. Authorized Use:

- I. Armored vans will be deployed by officers who have received department training in the vans' operation.
- II. The driver of the vehicle shall have a valid California driver's license (class C)
- III. The on-duty Watch Commander shall approve requests to deploy an armored van(s)

d. Expected Lifespan:

7-10 years (depending on usage and normal wear and tear)

e. Fiscal Impact:

Two (2) Ford Transit Vans 350HD cost: \$427,000 (Asset forfeiture funds). Annual maintenance costs \$6,000 each.

- 4. Tracked Armored Vehicles (Category 4)
 - a. <u>Description, quantity, capabilities, and purchase cost:</u>
 NONE
 - b. Purpose:

N/A

c. Authorized Use:

N/A

d. Expected Lifespan:

N/A

e. Fiscal Impact:

N/A

5. Command and Control Vehicles (Category 5)

a. Description, quantity, capabilities, and purchase cost:

Command Post Mobile Trailer: 2020 Forest River 30ft trailer w/ 2 Axles. There is no cost for the trailer as the State of California donated it. The trailer will be equipped with 3 monitors (2 interior/1 exterior), desks, chairs, IP phones, exterior spotlight, soundproof room, and initial wiring for a computer setup.

b. Purpose:

To be utilized during critical incidents, major disasters, pre-planned high-risk warrant operations, large-scale pre-planned events, natural disasters, and public

relations/community outreach events.

c. Authorized Use:

- IV. The Command Post Mobile trailer will be deployed by officers and staff who have received department training in pulling/deploying trailers.
- V. The driver of the vehicle shall have a valid California driver's license (class C)
- VI. In compliance with Department Policy 703 (Vehicle Use), as well as federal, state, and local laws and ordinances.
- d. Expected Lifespan:

30-year life span

e. Fiscal Impact:

Retrofitting cost \$15,894.15.

- 6. Weaponized aircraft or vessel (Category 6)
 - a <u>Description, quantity, capabilities, and purchase cost:</u>
 NONE
 - b. Purpose:

N/A

c. Authorized Use:

N/A

d. Expected Lifespan:

N/A

e. Fiscal Impact:

N/A

- 7. Breaching Apparatus: Slugs, Energetic Breaching Program (Category 7)
 - a. Description, quantity, capabilities, and purchase cost:

NONE

b. Purpose:

N/A

c. Authorized Use:

N/A

d. Expected Lifespan:

N/A

e. Fiscal Impact

N/A

- Firearms and ammunition of .50 caliber or greater, excluding standard-issue shotguns and standard-issue shotgun ammunition (Equipment Category 8)
 - a. <u>Description, quantity, capabilities, and purchase cost:</u>
 NONE

b. Purpose:

N/A

c. Authorized Use:

N/A

d. Expected Lifespan:

N/A

e. Fiscal Impact:

N/A

9. Specialized Firearms and Ammunition (Category 9)

a. Description, quantity, capabilities, and purchase cost:

- I. The Carbine Rifle is a firearm capable of accurately stopping an armed subject at various distances. The Carbine Rifle is a lightweight, air-cooled, magazine-fed, shoulder-fired weapon designed for semi-automatic fire. The 223 / 5.56 cartridge is used as a lethal option designed to stop a violent encounter. The projectile is capable of penetrating soft body armor being worn by armed subjects. Total Quantity: 123 (LWRCI M6IC-DI, quantity: 99; LWRCI M6IC-G, quantity: 15; Colt Commando, quantity. 1; Colt M4 Carbine, quantity: 4; Colt Sporter Lightweight, quantity: 1; Bushmaster XM15-E2S, quantity: 2; Double Star 15, quantity: 1). The manufacturer's description is attached.
- II. The Hornady 556 NATO, 75 grain, BTHP Tap Precision cartridge is the primary duty ammunition deployed during potential lethal encounters. Quantity: 2,200 rounds. The manufacturer's description is attached.
- III. The Hornady 556 NATO, 75 grain, Tap SBR cartridge is the primary training ammunition for the department. Quantity: 4,500 rounds. The manufacturer's description is attached.
- IV. The Winchester .223 Remington, 55 grain, Ranger RA223SF cartridge is the secondary training ammunition for the department, designated for indoor shooting. Quantity: 7,600 rounds. The manufacturer's description is attached.
- V. The Sniper Rifle is a firearm used by ERT operators who are supplementally trained to engage armed suspects from a safe distance. Daniel Defense DD5V4; Caliber: 7.62 x 51mm; quantity: 2. The manufacturer's description is attached.

b. Purpose:

To be used as precision weapons to address a deadly threat with more precision and/or greater distances than a handgun, if present and feasible. Guns that are fired from shoulder level have a longer, grooved barrel intended to make bullets spin and thereby have greater accuracy over a long distance. Potential applications include hostage situations and an active shooter.

c. Authorized Use:

- Only members that have completed a POST-certified rifle course and, on an annual basis
- II. Having completed the department-approved range qualification, with the department's range staff are authorized to deploy a rifle.

III. In compliance with Department Policies 307 (Firearms), 416 (Rifles), and 300 (Use of Force), as well as federal, state, and local laws and ordinances.

d. Expected Lifespan:

- Carbine Rifle- No expiration (serviced or replaced when it fails or breaks)
- II. The Hornandy 556 NATO, 75 grain, BTHP Tap Precision cartridge-15 years
- III. The Hornady 556 NATO, 75 grain, Tap SBR cartridge- 15 years
- IV. The Winchester .223 Remington, 55 grain, Ranger RA223SF cartridge-15 years
- V. Sniper Rifle- No expiration (service or replaced when it fails or breaks)

e. Fiscal Impact:

- Carbine Rifle No annual cost unless replacement purchases are necessary (Purchase price: \$1,554.96 each)
- II. The Hornady 556 NATO, 75 grain, BTHP Tap Precision cartridge Annual cost approximately \$6,250.00
- III. The Hornady 556 NATO, 75 grain, Tap SBR cartridge Annual cost approximately \$2,954.00
- IV. The Winchester .223 Remington, 55 grain, Ranger RA223SF cartridge Annual cost approximately \$6,810.00
- V. Sniper Rifle No annual cost unless replacement purchases are necessary (Purchase price: \$1,949.22 each).
- 9. Any firearm or firearm accessory designed to launch explosives (Category 10)
 - a. Description, quantity, capabilities, and purchase cost: NONE
 - b. Purpose:

N/A

c. Authorized Use:

N/A

d. Expected Lifespan:

N/A

e. Fiscal Impact:

N/A

- 10. Noise Flash Diversionary Device (Flashbangs) (Category 11)
 - a. Description, quantity, capabilities, and purchase cost:

A Noise Flash Diversionary Device (NFDD) is a device that creates a bright flash and loud sound to temporarily divert the attention of subjects in the immediate area. NFDDs are used to distract and temporarily disorient dangerous suspects by overwhelming their senses of vision and hearing. The distraction allows officers to seize a moment of opportunity to take control of high-risk situations.

 NFDD Defense Technology 8901SC emits a loud "bang" and a flash of light. Quantity: 50

b. Purpose:

A distraction device is ideal for distracting dangerous suspects during assaults,

hostage rescue, room entry or other high-risk arrest situations. To produce atmospheric over-pressure and brilliant white light and, as a result, can cause short-term (6 - 8 seconds) physiological/psychological, sensory deprivation to give officers a tactical advantage.

c. Authorized Use:

Diversionary Devices shall only be used:

- I. During encounters with self-destructive, violent, dangerous and/or combative subjects.
- II. By ERT officers who have been trained in their proper use in accordance with POST guidelines and received annual training by a POST-certified instructor.
- III. Circumstances where the Emergency Response Team members can obtain tactical advantage during the following critical incidents: Barricaded violent felony suspect, vehicle barricade of a felony suspect, active shooter, or a hostage rescue operation.
- IV. During department-approved training exercises.
- V. NFDDs shall not be used for crowd dispersal.
- VI. All uses of NFDDs must first be approved by a Bureau Captain.
- VII. In compliance with department policy (705 Noise Flash Diversionary Devices) as well as federal, state, and local laws and ordinances.

d. Expected Lifespan:

NFDD Defense Technology 8901SC - 5 years

e. Fiscal Impact:

NFDD Defense Technology 8901SC - annual cost approximately \$283.00

11. Tear Gas (Category 12)

a. Description, quantity, capabilities, and purchase cost:

Chemical agent munitions, which are commonly referred to as "tear gas," are used by the Culver City Police Department as a non-lethal tool to disperse violent suspect(s) and/or on a felony barricaded suspect(s) to cause barricaded suspects to exit the barricaded structure/location. All chemical agents will be used only in compliance with Penal Code section 13652 and Government Code Section 12525.2.

The Culver City Police Department uses chemical agents which are used by law enforcement across the United States: CS (2-Chlorobenzylidenemalononitrile) and OC (Oleoresin Capsicum).

CS is an irritating agent and lachrymator that irritates the eyes and causes tears to flow. CS has been medically tested in the U.K. and U.S., specifically by the U.S. Army. There are no known allergic reactions to CS.

OC was de-regulated in California in 1996, is endorsed by the FBI, and is available to civilians to legally possess (2.5oz or less). OC is an inflammatory agent which causes involuntary closure of eyes for a duration of 2 to 5 minutes and respiratory inflammation, which subsides in approximately 2 minutes.

 CTS Combined Tactical Systems 5230B - Pyrotechnic grenade designed for indoor use delivering a maximum amount of irritant smoke throughout multiple rooms with minimal risk of fire. Quantity: 18

II. Defense Technology Spede-Heat[™] - 40mm short-range CS round incorporates an aluminum shell and utilizes black powder as the propellant. The Spede- Heat[™] 40mm short-range round is designed to deliver one dual-ported chemical canister from a 40mm launcher 75 yards to the intended target zone. Quantity: 15

III. Defense Technology Pocket Tactical - pyrotechnic grenade that is designed

as a signaling or covering device. Quantity: 2

b. Purpose:

To act as, and shall be limited to, a de-escalation and less lethal option during the following situations:

- I. Self-destructive, dangerous, violent, and/or physically combative individuals.
- II. Violent riotous crowd control incidents when such weapons are necessary to defend against a threat to life or serious bodily injury to any individual, including a peace officer, or to bring a violent, dangerous and unlawful situation safely and effectively under control. Tear gas shall not be used against individuals or groups who merely fail to disperse or do not reasonably appear to present a risk to the safety of officers or the public.

III. Circumstances where members of the Emergency Response Team can obtain a tactical advantage during the following critical incidents: Barricaded violent felony suspect, vehicle barricade of a felony suspect, active shooter, or a

hostage rescue operation.

IV. Potentially vicious animals.

V. Department-approved training exercises

c. Authorized Use:

I. Chemical Agents shall only be used by officers who have received POST certification in the use of chemical agents and in a manner consistent with Department policy.

II. Use of chemical agents for the dispersal of riotous crowds must first be

approved by the Chief of Police.

III. All other approved use of tear gas must first be approved by a Bureau Captain.

IV. During department-approved training exercises

V. In compliance with Department Policies 350, (Control Devices/Chemical Agents) and 300 (Use of Force) as well as federal, state, and local laws and ordinances.

d. Expected Lifespan:

- CTS Combined Tactical Systems 5230B 5 years
- II. Defense Technology Spede-Heat™ 5 years
- III. Defense Technology Pocket Tactical 5 years

e. Fiscal Impact:

- I. CTS Combined Tactical Systems 5230B annual cost between \$0 and \$360.00
- II. Defense Technology Spede-Heat™ annual cost between \$0 and \$346.00
- III. Defense Technology Pocket Tactical annual cost between \$0 and \$250.00

12. PepperBall Launcher (Category 12)

a. Description, quantity, capabilities, and purchase cost:

A system that uses high-pressure air to deliver PAVA powder projectiles (similar to a paintball delivery system). This system can launch projectiles at a subject up to 60'. In addition, the system is capable of area saturation up to 150'. Non-lethal option offers law enforcement officers to deliver chemical agents and kinetic energy impacts tosubjects in a potentially violent encounter. De-Escalation tools are used to avoid further injuries or lethal options on a subject.

- I. PepperBall TAC-SA™ Launcher a semi-automatic platform that can fire multiple projectiles over expansive areas. Quantity: 4
- II. Byrna SD Pepper Ball Launcher semi-automatic (pistol-style) platform that can fire multiple projectiles. Quantity: 3
- III. PepperBall Live Projectile designed for direct impact and area saturation, especially in confined, interior spaces. The projectile has a direct impact of 30 ft and an area of saturation of 150+ft. The projectile contains 0.5% PAVA Powder. Quantity:1500 rounds
- IV. PepperBall Live-X Projectile contains approximately 10x the PAVA of the Live projectile. This projectile is designed for direct impact or area saturation. The projectile has a direct impact of 60 ft and an area of saturation of 150+ft. The projectile contains 5% PAVA powder. Quantity: 3000 rounds

b. Purpose:

To act as, and shall be limited to, a de-escalation and less lethal option during the following situations:

- I. Self-destructive, violent, dangerous and/or combative individuals.
- II. Riot/crowd control and civil unrest incidents when such weapons are deemed necessary to defend against a threat to life or serious bodily injury to any individual, including a peace officer, or to bring an objectively dangerous and unlawful situation safely and effectively under control.
- III. Potentially vicious animals.
- IV. Department-approved training exercises.

c. Authorized Use:

- Only by officers who have been trained in the use of PepperBall Launchers, in a manner consistent with Department policy, are authorized to use PepperBall Launchers.
- II. Deployment and use of the PepperBall launcher must first be approved by the on-duty Watch Commander or the on-scene Field Supervisor.
- III. Use of the PepperBall launcher for dispersal of riotous crowds must first be approved by the Chief of Police.
- VI. In compliance with Department Policies 304, (Control Devices-Impact Weapons), 350 (Control Devices -Chemical Agents), and 300 (Use of Force) as well as federal, state, and local laws and ordinances.

d. Expected Lifespan:

- I. PepperBall TAC-SA™ Launcher No expiration
- II. Byrna SD Pepper Ball Launcher No expiration
- III. Live Projectile 1 year
- IV. Live-X Projectile 1 year

e. Fiscal Impact:

- PepperBall TAC-SA™ Launcher No annual cost unless replacement purchases are necessary (Purchase price: \$1,599.95)
- II. Byrna SD Pepper Ball Launcher No annual cost unless replacement

purchases are necessary (Purchase price: \$349.00)

- III. Live Projectile annual cost approximately \$1,928.00
- IV. Live-X Projectile annual cost approximately \$1,928.00
- 13. Taser Shockwave, microwave weapons, water cannons, and the Long-Range Acoustic Device (LRAD) (Category 13)
 - a. <u>Description, quantity, capabilities, and purchase cost:</u>
 NONE
 - b. Purpose:
 - c. Authorized Use:
 - d. Expected Lifespan: N/A
 - e. Fiscal Impact:
- 14. Projectile Launch platforms and associated munitions (Category 14)
- a. Description, quantity, capabilities, and purchase cost:

 The Projectile Launcher is not a firearm, but a Less-Lethal system that uses smokeless powder to deliver 40MM projectiles from a safe distance. The Less-Lethal launcher is capable of launching 40MM munitions at a subject up to 25 yards.
 - I. B&T GL06 40MM Launcher, Quantity; 2,
 - II. Defense Technology Model 40 Launcher, Quantity: 6
 - III. Defense Technology 6325 (Sponge Round) Projectile 40mm direct-fire round has a plastic body and sponge nose designed for crowd control, patrol, and tactical applications.
 - IV. Defense Technology OC Crushable Projectile 40 mm short-range round is a direct-fire munition that is designed to emit an irritant powder upon impact. Quantity: 26
 - V. Defense Technology 6297 Projectile contains 60-caliber rubber balls designed for crowd management
 - b. Purpose:

To act as, and shall be limited to, a de-escalation and less lethal option during the following situations:

- I. Self-destructive, violent, dangerous and/or combative individuals.
- II. Riot/crowd control and civil unrest incidents when such weapons are deemed necessary to defend against a threat to life or serious bodily injury to any individual, including a peace officer, or to bring an objectively dangerous and unlawful situation safely and effectively under control.
- III. Potentially vicious animals.
- IV. Department-approved training exercises.
- c. Authorized Use:
 - Only those officers who have been trained in the use of Projectile Launchers are authorized to use the Projectile Launchers, in a manner consistent with

Department policy.

- II. Use for dispersal of riotous crowds must first be approved by the Chief of Police
- III. All other use of Projectile Launchers must first be approved by the on-duty Watch Commander or the on-scene Field Supervisor.
- IV. In compliance with Department Policies 304, (Control Devices-Impact Weapons) and 300 (Use of Force) as well as federal, state, and local laws and ordinances.

d. Expected Lifespan:

- I. B&T GL06 40MM Launcher No expiration
- II. Defense Technology Model 40 Launcher No expiration
- III. Defense Technology 6325 (Sponge Round) Projectile 5 years
- IV. Defense Technology OC Crushable Projectile 5 years
- V. Defense Technology 6297 Projectile 5 years

e. Fiscal Impact:

- I. B&T GL06 40MM Launcher No annual cost unless replacement purchases are necessary (Purchase price: \$1,375.00)
- II. Defense Technology Model 40 Launcher No annual cost unless replacement purchases are necessary (Purchase price: \$805.00)
- III. Defense Technology 6325 (Sponge Round) Projectile annual cost approximately \$2,650 [per quantity]
- IV. Defense Technology OC Crushable Projectile annual cost approximately \$265.00 [per quantity]
- V. Defense Technology 6297 Projectile-annual cost approximately \$22.00 [per quantity]

MILITARY EQUIPMENT NOT OWNED BY DEPARTMENT SUBJECT TO COLLABORATIVE USE (Equipment Category 15)

The purpose of this section is to identify any defined military equipment that could possibly be used in Culver City, by a neighboring law enforcement agency, during a critical incident. Such critical incidents should be limited to high-risk search warrant operations, barricaded felony suspect, active shooter, bomb threat/suspicious package, or joint training exercise. Note that the below-described equipment is not owned by the Department or operated by Culver City Police Department personnel.

2. Robot (Category 1)

a. Description, quantity, capabilities, and purchase cost:

A remotely controlled unmanned machine that operates the ground, which is utilized to enhance the safety of the community and officers. This device can be remotely operated from many hundred meters away, providing protection and safety to their operators. There is no cost to the Culver City Police Department for a neighboring agency use in this jurisdiction.

b. Purpose:

To be used to remotely gain visual/audio data, deliver CNT phone, open doors, disrupt

packages, and clear buildings.

c. Authorized Use:

V. Only by a neighboring police agency in accordance with their existing policies and procedures.

VI. Approval to use a robot in Culver City, or in collaboration with the Culver City Police Department, must first be approved by a Bureau Captain and only during critical incidents

VII. During Department-approved training exercises.

d. Expected Lifespan:

N/A

e. Fiscal Impact:

N/A

3. Armored Personnel Carrier (Category 2 &3)

a. Description, quantity, capabilities and purchase cost:

An armored vehicle that seats 10-12 personnel with an open floor plan that allows for rescue of down personnel. It can stop various projectiles, which provides greater safety to citizens and officers beyond the protection level of a shield and personal body armor.

b. Purpose:

To be used in response to critical incidents to enhance officer and community safety, improve scene containment and stabilization, and assist in resolving critical incidents.

c. Authorized Use:

 Only by a neighboring police agency in accordance with their existing policies and procedures.

II. Approval to deploy an Armored Personnel Carrier in Culver City, or in collaboration with the Culver City Police Department, must first be approved by a Bureau Captain and only during critical incidents

III. During Department-approved training exercises.

d Expected Lifespan:

N/A

e. Fiscal Impact:

N/A



B&T GL-06

Single Shot Launcher cal. 40 x 46 mm manufactured by B&T AG, Switzerland



B&T AG P.O. Box 174 • 3608 Thun Switzerland Fon +41 33 334 67 00 Fax +41 33 334 67 01 info@bt-ag.ch www.bt-ag.ch



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Related documents

TM-2889 Operator Manual SM-2889 Armorer Manual TR-2889-1 Qualification Test Report PC-2889 Parts Catalogue

Abbreviations:

HE: High Explosive. Warhead grenades, working at high pressure level.

LL: Less lethal. Munitions working at pressure levels 4 to 5 times lower than HE grenades.



1. General description

The GL-06 grenade launcher is intended to serve as a supplemental or squad weapon with less lethal munitions for all types of crowd management and law enforcement tasks.

The GL-06 is designed as a single shot break down weapon. Due to its design and strength of materials, the launcher works with all kind of 40×46 mm ammunitions. The trigger is of double-action-only style with non-exposed hammer for safe and simple operation.

There are different stock configurations, integrated NATO accessory rails and the possibility to install more rails and accessories to optimize the launcher specifically to each mission.

The ergonomics are state of the art: red dot sight for fast and accurate target acquisition, left and right side sling attachment points, large ambidextrous operating elements and a wide trigger guard for easy operation even with heavy protective gloves.



2. Nomenclature and technical data



Fig. 2.1

Designation:	Gl-06		
Manufacturer:	B&T AG, Switzerland		
Product ID:	BT-31000 black without access safety BT-31000-1 black with access safety BT-31000-2 yellow (RAL 1021) without access safety BT-31000-3 yellow (RAL 1021) with access safety		
NATO Stock Number:	1010-38-000-9860		
Caliber:	40 x 46 mm		
System:	Break-down single shot, double action only		
Barrel length [mm]:	280		
Twist rate [mm per turn]:	1200		
Rifling:	12 grooves, right hand		
Overall length [mm]:	590 (stock unfolded)	385 (stock folded)	
Overall width [mm]:	60 (stock unfolded)	95 (stock folded)	
Overall height [mm]:	200		
Weight [kg]:	2.15		
Sights:	Red dot sight Aimpoint Micro T-1 (dot size 4 MOA) Ghost ring iron sights (sight radius 339 mm), adj. in windage		
Interfaces:	4 NATO accessory rails STANAG 4694		
Standard supply:	Weapon complete with siderails, rail covers and carrying sling		



3. Operating principle

When the weapon is closed, the locking lug under the barrel is held in position by the two locking latches and the barrel is locked (ref. fig. 3.1). When pushing the breech lever forward, a rising wedge is spreading the two latches like a couple of shears, releasing the locking lug and thus unlocking the barrel (fig. 3.1). By the force of the barrel spring, the barrel snaps open and can be loaded manually.

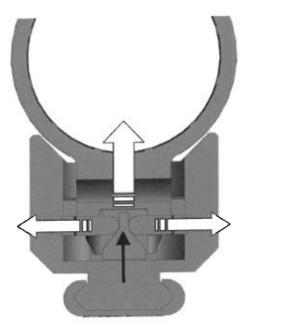




Fig. 3.1

When the launcher is loaded, the operator can release the shot simply by pulling the double action only trigger (fig. 3.2). The firing pin (part of the hammer) touches the primer of the cartridge only when the trigger releases the covert hammer, then it snaps immediately back in a safe position.



Fig. 3.2



In order to increase the operational safety of the launcher, a manual push-through safety is available which locks the hammer with the firing pin in safe distance of the primer.

Some comments about the operating principle of 40×46 mm grenades: Unlike conventional small arms cartridges, the case shows two chambers (see fig. 3.3). When the firing pin strikes on the primer, it ignites the propellant which is in the inner high pressure chamber. The combustion gases are then released by diffusors into the outer low pressure chamber. It is the force of the gases in the low pressure chamber which drive the projectile, which is set on top of this named chamber, through the barrel.

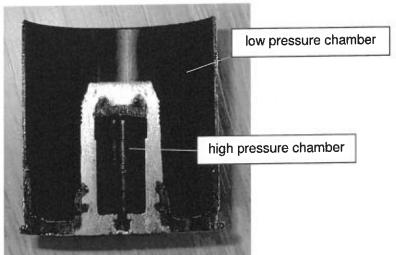


Fig. 3.3: Cut through fired 40 x 46 mm grenade

Concerning internal ballistics, recoil, mechanical stress on the weapon and quality control of the grenades, it is always the maximum pressure in the outer low pressure chamber to consider.

 40×46 mm ammunitions exist in two distinctive qualities: One is warhead (HE) grenades with a payload of around 200 grams - typically an explosive projectile - and working with low chamber pressures of approx. 200 bar. The other is less lethal (LL) munitions with low mass kinetic energy projectiles or a chemical agent as payload; their working pressure is around four times lower than with HE grenades.

The GL-06 is designed for use with LL munitions but strong enough to withstand the pressure of a HE grenade.



4. Compatible ammunitions

Compatibility is limited by dimensions and maximum pressures.

The critical dimensions are outlined in fig. 4.1. Note that the cartridge overall length is of no importance: 40×46 mm munitions of any length can be loaded in the GL-06.

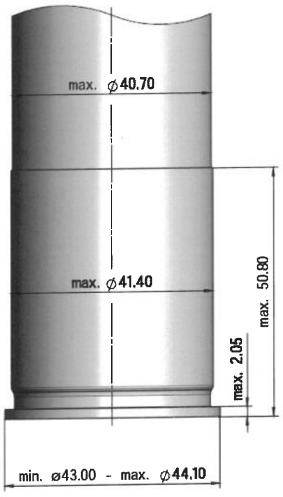


Fig. 4.1: Compatible dimensions

Regarding the pressure compatibility, the maximum pressure in the low pressure chamber at extreme service conditions (ESCP) is to consider. ESC is the most dangerous conform condition of ammunition (according to ammo manufacturer specs), e.g. after 24 h high temperature storage.

In an inspection lot of ten cartridges, the average (m) and the standard deviation (s) of ESCP must comply with

$$m_{\text{ESCP}}$$
 + 2.91 $\bullet s_{\text{ESCP}} \leq$ 230 bar



5. Ballistic data

The sights of the GL-06 launcher are set point blank to 25 m with SIR 40 mm (B&T BT-23510); ballistic data below.

x [m]	v [m/s]	E [J]	ED [J/mm²]	t [s]	dia,,,, [mm]
0	85	116	0.092	0.00	0
5	84	112	0.089	0.06	29
10	82	109	0.087	0.12	59
15	81	106	0.084	0.18	90
20	80	102	0.082	0.24	121
25	79	99	0.079	0.31	152
30	78	97	0.077	0.37	184
35	77	94	0.075	0.43	217
40	75	91	0.072	0.50	250
45	74	88	0.070	0.57	283
50	73	86	0.068	0.64	317

Table 5.1: Ballistic data of SIR impact round (projectile mass 32 grams)

x: Distance

v: Velocity

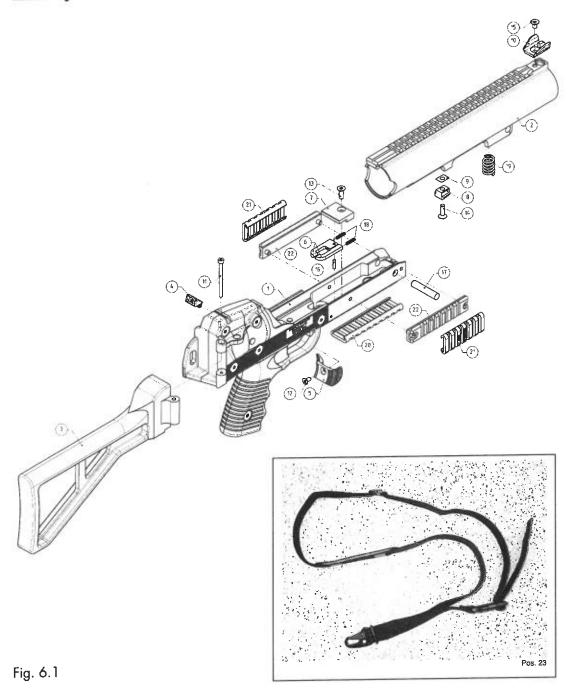
E: Kinetic energy ED: Energy density

t: Flight time

 $dia_{0.99}$: Diameter of circular target with hit probability of 99%



6. Exploded view and parts list





Pos.	Designation	Part Number
1	Main assembly (for BT-31000 or BT-31000-1)	BT-31047
2	Barrel (only)	BT-31010
3	Folding stock complete	BT-20218
4	Rear sight assembly	BT-30223
5	Breech lever	BT-31012
6	Locking latches (left/right identical, two per weapon)	BT-31020
7	Locking latch retainer	BT-31022
8	Locking lug	BT-31013
9	Spacer (if necessary)	BT-31029
10	Front sight	BT-31008
11	Folding stock axle screw	BT-31031
12	Breech lever screw	BT-31032
13	Retainer screw	BT-31035
14	Locking lug screw	BT-31036
15	Front sight screw	BT-31033
16	Locking latch axle pin	BT-31040
17	Breech axle pin	BT-31043
18	Locking latch springs (two per weapon)	BT-31067
19	Barrel spring	BT-31049
20	Rail protector	BT-21204-3
21	Side rail protectors (two per weapon	BT-21204-4
22	Side rails with screws (two per weapon)	BT-21731
23	Sling	BT-400967-1

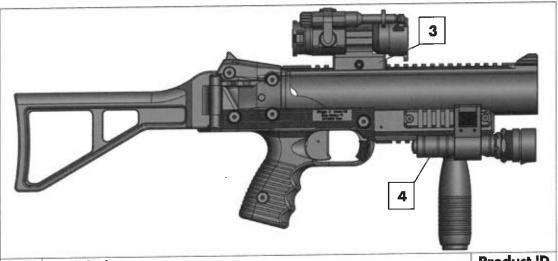
For more details refer to parts catalogue PC-2889.



7. Accessories

7.1 Tactical





Pos. Description		Product ID	
3	B&T quick detachable mounts for optical sights	various	
	B&T tactical light 6 V	BT-211017	
4	B&T tactical light 9 V	BT-211016	
7	B&T tactical light 6 V IR	BT-21803	

B&T carrying bag for 1	launcher and 20 cartridges	tbd
Doct dairying and	~	

byrnaHD specifications

fodel Number:	HD68300	
ize:	7.28" X 5.62" 185mm X 143mm	
oaded Weight:	1.3lb 597g	
lousing Materials:	Glass-filled Nylon	
	Rubber Overmold Grip	
Component Materials:	Aluminum and Stainless Steel	
Caliber:	.68	
Speed of Projectile:	220-300 FPS	
Weight of Projectile:	3.2 Grams	
Force at Muzzle Velocity:	13 Joules	
Composition of Chemical Rounds:	Byrna HD Max - 12% active ingredients: OC, CS, and PAVA	
	Byrna HD Pepper - 5% OC	
Magazine Capacity:	5 Rounds	
Propulsion:	One (1) 8 Gram CO ₂ Cartridge	
Puncture Mechanism:	Punctures CO₂ Cartridge and fires first projectile all with first trigger pull.	
Temperature Range, Effective Use:	0°F-120°F -18°C-49°C	
Accessories:	Laser Pointers, Flashlights, Holsters (left and right hand carry)	
Safety Lever:	Ambidextrous	
Colors:	Safety Orange, Bright Yellow, Gray, Desert Tan, Black	

Patents Pending



PRODUCT SPECIFICATIONS

MODEL No.	DESCRIPTION:
5210B	Smoke Baffled Canister Grenade, Low Flame Potential
5220B	CN Baffled Canister Grenade, Low Flame Potential
5230B	CS Baffled Canister Grenade, Low Flame Potential
	Revision D 5/2



NOT TO SCALE

WARNING: CSI manufactures a variety of CTS less lethal products which are under pressure, pyrotechnic, incendiary, emit projectiles, generate smoke, or are explosive in nature. When used in accordance with CTS training guidelines and the individual agency's policy, they are intended to cause varying degrees of pain and injury, which are temporary. These products are restricted to law enforcement, corrections, and military personnel and are used to gain compliance, disperse crowds, restore order, or temporarily incapacitate dangerous persons. In rare circumstances, if used incorrectly, CTS less-lethal products may cause damage to property, serious bodily injury or death. Therefore, any person using the force option depicted on this page should receive proper training to ensure the safest and most effective use.

Туре	Irritant & Smoke Pyrotechnic Grenades
Diameter	2.60" (66 mm)
Length	6.20 " (157 mm)
Fuze Type	Model 201
Fuze Delay	1.5 +/- 0.3 sec. average
Launchable	Yes
Discharge Time	20 - 40 Seconds
Emission Ports	4
Overall Weight	395 gm
Warranty	5 Years From Shipment Date

All specifications are average and are subject to change without notice.

All performance specifications are based on testing conducted in Jamestown, PA USA,
At an elevation of 1,058 feet above sea level at ambient temperature conditions.

SHIPPING INFORMATION			
Proper Shipping Name	Ammunition, Smoke		
UN Number	0303		
Hazard Class	1.4G		
Labels Required	Explosive 1.4G		
Quantity Per Package	24 Grenades		
Total Package Weight	31 lb.		
Package Type	UN Specification 1A2/Y36/S Meta Drum with Lever Lock Lid		
Package Dimensions	19x12 (7 gal. drum also used for overnight packages)		











388 Kinsman Rd. Jamestown, PA 16134 USA TEL (724) 932-2177 FAX (724) 932-2166

EMAIL Sales@combinedsystems.com www.combinedsystems.com

COMPLETE RIFLES





6.5 Creedmoor

7.62

18"



18" chrome-lined, heavyphosphate-coated Strength-to-Weight-profile barrel for accuracy and extended range.

Independently ambi GRIP-N-RIP charging handle has anti gas features for a better shooting

The DD5 V4, chambered in either 6.5 Creedmoor or 7.62x51mm NATO, provides users of the Daniel Defense semi-automatic platform even greater long range precision shooting capability. The highly popular 6.5 Creedmoor takes advantage of superior ballistic coefficients to offer both flatter trajectories and reduced wind drift at levels normally reserved for much heavier recoiling long action calibers.

Innovative 4-Bolt Connection System replaces barrel nut for increased stability and a uniform connection between the handguard, barrel, and receiver. experience.

DISTRACTION DEVICE® RELOAD W/SC 12-GRAM



PRODUCT SPECIFICATIO	NS
Reload	Steel collar w/ cardboard tube
Diameter	0.78 in / 1.98 cm
Length	5.00 in / 12.7 cm
Canister	To be used with reloadable bodies
Fuze	M201A1 Type
Explosive Content	Flash Powder - 0.42 oz / 12 grams
Sound Level	175 dB at 5' (1.5m)
Light Level	6 – 8 million Candelas
Light Duration	10 milliseconds
Part No.	8901SC
	8901SC-HH
Warranty	5 years from date of manufacture

ALL SPECIFICATIONS ARE AVERAGES AND SUBJECT TO CHANGE

The 12-Gram Distraction Device® Reload w/ Safety Clip utilizes an M201A1 type fuze that was designed for use with the Distraction Device reloadable steel body. The safety clip is designed to keep the pull-pin against the device body to prevent the pin from protruding and possibly snagging on other objects. The 12-Gram Distraction Device Reload w/ Safety Clip is only to be used when properly inserted and tightened into the Distraction Device body. DO NOT discharge the reload without the use of the steel body. The Distraction Device body should only be deployed in areas that have been visually observed to be clear of potential hazards. It is recommended that the immediate area for deployment be visually affirmed to be clear of personnel and that the device is delivered so that the ports are free from obstruction. If the bottom port is obstructed by an object or wall, the device body may move. The cleared area for deployment should be 5 - 6 feet around which the device is expected to come to rest.

A modified version of the 12-Gram Distraction Device Reload w/ Safety Clip is available for use in high humidity environments that incorporates a water resistant charge tube. These products are designated by 'HH' after the part number. The standard render safe practice involving 24 hour water submersion will no longer be effective for the high humidity devices, please consult the render safe procedure for incineration in the instructions.





/ WARNING

This product can expose you to chemicals including Lead Salts and Hexavalent Chromium, which are known to the State of California to cause cancer, and Lead Salts, which are known to the State of California to cause birth defects or other reproductive harm. For more information, go to www.P65Warnings.ca.gov.









BE USED BY WARNING: CORRECTIONAL OR MILITARY ENFORCEMENT, PERSONNEL WHO HAVE SUCCESSFULLY COMPLETED A TRAINING PROGRAM FOR THE DEPLOYMENT OF DISTRACTION DEVICE® UNITS. IMPROPER USE OF THE DISTRACTION DEVICE UNIT CAN RESULT IN DEATH OR SERIOUS BODILY INJURY.

1855 South Loop Casper, WY 82601 www.defense-technology.com 800.347,1200 Safariland, LLC Rev. 06/20



POCKET TACTICAL GRENADE OC, CN, CS, SAF-SMOKE™ AND COLORED SMOKE

PRODUCT SPECIFICATIONS		
Diameter	1.4 in / 3.6 cm	
Length	4.75 in / 12 cm	
Fuze	M201A1 Type	
Active Agent	OC 0.25 oz / 7 g CN/CS 0.9 oz / 25.2 g	
Discharge Time	20 – 40 Seconds	
Launchable	Yes	
Part No.	OC 1019	
	CN 1015	
	CS 1016	
	Saf-Smoke™ 1017	
	Saf-Smoke™ Blue 1017B	
	Saf-Smoke™ Green 1017G	
	Saf-Smoke™ Red 1017R	
	Saf-Smoke™ Yellow 1017Y	
Warranty	5 years from date of manufactur	е

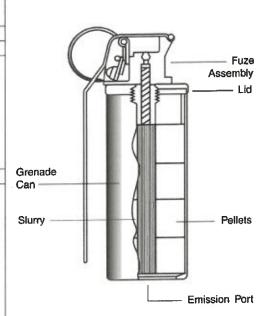
ALL SPECIFICATIONS ARE AVERAGES AND SUBJECT TO CHANGE

The Pocket Tactical Grenade is a quick burning, reduced volume, continuous discharge grenade available in OC, CN, CS, and Saf-Smoke™. Pelletized chemical agent or smoke is discharged through one (1) gas port located on the bottom of the canister.

The Pocket Tactical Grenade is a small, lightweight, easily carried device that provides a medium volume of chemical agent or smoke for certain situations. It was designed with the tactical team in mind for distraction, concealment, rescue, or signaling. The pocket grenade is not specifically intended as a crowd management device; however, it can be used in chemical configurations in conjunction with larger smoke canisters to "piggy back" chemical agent into a predominately smoke environment. This device should be deployed utilizing wind advantage.

It should NOT be deployed onto rooftops, in crawl spaces, or indoors due to its fire-producing capability. Hand throw or launch. The fuze should be removed prior to inserting the grenade into the launching cup, and then the open threaded end is inserted into the launching cup first. Launching of grenades will provide deploying officers additional standoff distances. This small canister affords good coverage and may also be used as a distraction device.

It may also be used as a distraction to focus attention away from other activities.





WARNING

This product can expose you to chemicals including Lead Salts and Hexavalent Chromium, which are known to the State of California to cause cancer, and Lead Salts, which are known to the State of California to cause birth defects or other reproductive harm. For more information, go to www.P65Warnings.ca.gov.

WARNING: THIS PRODUCT IS TO BE USED ONLY BY AUTHORIZED AND TRAINED LAW ENFORCEMENT, CORRECTIONS, OR MILITARY PERSONNEL. THIS PRODUCT MAY CAUSE SERIOUS INJURY OR DEATH TO YOU OR OTHERS. THIS PRODUCT MAY CAUSE SERIOUS DAMAGE TO PROPERTY. HANDLE, STORE AND USE WITH EXTREME CARE AND CAUTION. USE ONLY AS INSTRUCTED.









1855 South Loop Casper, WY 82601 www.defense-technology.com 800.347.1200 Safariland, LLC Rev. 06/20

SPEDE-HEAT™ GRENADE CONTINUOUS DISCHARGE OC, CN AND CS



PRODUCT SPECIFICATIONS	
Diameter	2.62 in / 6.7 cm
Length	6.12 in / 15.5 cm
Fuze	M201A1 Type
Active Agent	OC 1.09 oz / 31 g CN/CS 2.9 oz / 81.2 g
Discharge Time	20 – 40 Seconds
Launchable	Yes
Part No.	OC 1070
	CN 1071
	CS 1072
	Smoke See Max. Smoke #1073
Warranty	5 years from date of manufacture

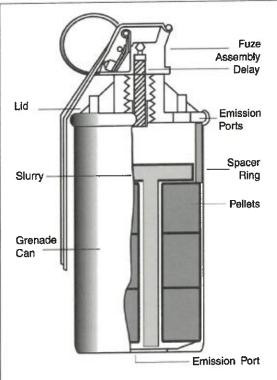
ALL SPECIFICATIONS ARE AVERAGES AND SUBJECT TO CHANGE

The Spede-Heat™ Grenade is a high volume, continuous discharge grenade available in OC, CN or CS.

In the OC, CN and CS configurations, pelletized chemical agent is discharged through four (4) gas ports located on top of the canister, three (3) on the side, and one (1) on the bottom.

Designed specifically for outdoor use in crowd control situations, the Spede-Heat™ Grenade is built on the old style larger canister. It is a high volume continuous burn device that expels its payload in approximately 20 - 40 seconds from a single source. The longer burn time may allow for throwback by individuals wearing burn protection such as a welder's mitt. The canisters may be protected from advancing individuals with the use of less lethal impact munitions. The device should be deployed utilizing wind advantage.

It should NOT be deployed onto rooftops, in crawl spaces, or indoors due to its fire-producing capability. Hand throw or launch. Launching of grenades will provide deploying officers additional stand-off distances. Affords very good coverage for large outdoor areas.





WARNING

This product can expose you to chemicals including Lead Salts and Hexavalent Chromium, which are known to the State of California to cause cancer, and Lead Salts, which are known to the State of California to cause birth defects or other reproductive harm. For more information, go to www.P65Warnings.ca.gov.

CM







WARNING: THIS PRODUCT IS TO BE USED ONLY BY AUTHORIZED AND TRAINED LAW ENFORCEMENT, CORRECTIONS, OR MILITARY PERSONNEL. THIS PRODUCT MAY CAUSE SERIOUS INJURY OR DEATH TO YOU OR OTHERS. THIS PRODUCT MAY CAUSE SERIOUS DAMAGE TO PROPERTY. HANDLE, STORE AND USE WITH EXTREME CARE AND CAUTION. USE ONLY AS INSTRUCTED.

1855 South Loop Casper, WY 82601 www.defense-technology.com 800.347.1200 Safariland, LLC Rev. 06/20



Bullett 75 gr. BTHP T2 TAP* Buzzle Velocity: 2858 fps Barrel: 16* Twist Rate: 1:9* Total Penetration: 10.5* Max. Cavity: 5.5* Depth to Max. Cav.: 5.5* Entry: 0.75* Retained Weight: 31.5 gr.



75gr BTHP T2 TAP® ITEM #8126N

APPLICATION: PRECISION RIFLE

The T2 builtet profile is specifically designed to optimize function and feeding in M16/M4 variant guns. The cartridge's propellant technology is custom designed to enhance weapon operation, and delivers phenomenal temperature stability. The 75 gr. BTHP T2 builtet is designed to deliver rapid incapacitation upon impact.

75 gr. 8THP T2 TAP 16" bbi DPMS AR-15	muzzde	100 yds	200 yds	300 yds	400 yds	500 yds
Velocity (fps)	2858	2600	2357	2127	0161	1708
Energy (ft lbs)	1360	1126	525	753	809	486
Trajectiony (inches)	7,	Đ	5	-13.6	-31.2	-58.5



Bullet: 75 gr. TAP 588*
B.C.: .230 S.D.: .214
Muzzle Velocity: 2310 fps
Sarrel: 10.5*
Twist Rate: 1.7*
Total Persetration: 17.0*
Max. Cavity: 4.5*
Depth to Max. Cav.: 4.5*
Entry: 0.50*
Retained Weight: 69.5 gr.



75gr, TAP SBR® ITEM #81295

APPLICATION: ENTRY, PATRDL/DUTY | Meets FBI Protocol

Hornady* 5.56 NATO TAP SBR* is designed specifically for 10.5"-11.5" short-barneled rifles by using proprietary propellants and a bulker designed with technology from industry leading Critical Duty* FlexLock* bullets. TAP SBR* ammunition provides exceptional performance in suppressed or unsuppressed SBR*s. With virtually no flash or residue, TAP SBR* ammunition dramatically reduces sound signature, will not foul or overheat suppressors, delivers uniform velocity and accuracy, and provides controllable rate of fire in automatic platforms. TAP SBR* is the optimum choice for 10.5"-11.5" barreled 5.56 rifles.

75 gr. TAP SBR 10.5" bbi LMT CQB	epznu	100 yds	200 yds	300 yds	400 yds	500 yets
Velocity (fps)	2310	1964	1653	1386	1179	1042
Energy (ft lbs)	888	643	455	320	231	181
Irajectory (Inches)	-1.5	0	97-	-28.1	-66.8	-130.5







PROJECTILES

LIVE

The basic PepperBall® projectile, it contains 2% PAVA, and is excellent for direct impact and area saturation, especially in confined, interior spaces.

Available Color Options:



SPECIFICATIONS

Weight	Caliber	Payload	Shelf Life	Velocity	Direct Impact	Saturation	Kinetic Impact
3g	.68	2.5g	3 Years	280-300 FPS	60ft	150+ft	8.8-11ft lb/12-15J

FEATURES

- · Ultrasonically Welded
- · Shell Color Indicates Payload
- 100% Waterproof
- · Non-flammable
- Operational Temperature of -30°F to 150°F

FORMULA

• 2% PAVA Powder

QUANTITIES

• Jar: 90/375

• Case 1500

MADE IN THE USA







Our most potent and powerful concentration of PAVA pepper powder. One round of LIVE-X $^{\text{TM}}$ contains the equivalent PAVA irritant chemical agent in 10 regular PepperBall* LIVE $^{\text{TM}}$ rounds.

1//	SPECIFICATIONS:	
1//	CALIBER	WEIGHT
	68 Caliber	3g
	PAYLOAD	SHELF LIFE
	2.5g	3 years
	VELOCITY	KINETIC
	280-320 FPS	// 10-15J
	FORMULA	
	5% PAVA Powder	

FEATURES

- Ultrasonically welded
- > Shell color indicates payload
- ▶100% waterproof
- ▶ Operational temperature of -30°F to 150°F
- Non-flammable

QUANTITIES

JARS OF: 90 | 375 CAR

CARTON OF: 1500

MADE IN THE USA

PepperBall^{*}

1-877-887-3773 | North America +1 858-228-1439 | International Sales@PepperBall.com PEPPERBALL.COM PepperBall is a registered trademark of United Tactical Systems. LLC, exclusive worldwide manufacturer and supplier of genuine PepperBall* products



5.56 NATO

14.7" 37.3cm BARREL

16.1" 40.9cm 7.3lbs

WEIGHTS 7.0lbs 3.2kg

3,3kg

LENGTHS 30.7"-34" 78.0-86.4cm

32.1"-35.4" 81.5-89.9cm

 Monoforge™ upper receiver with integrated rail-base is stronger than the standard-pattern upper

- All LWRCI™ forgings are coined: the material is struck twice in the die for precise dimensional accuracy and a superior surface
- LWRCI™ Skirmish Sights
- LWRCI™ Ambidextrous Charging Handle
- Patented LWRCI™ short-stroke gas piston system offers unparalleled reliability and easy maintenance
- LWRCI™ Enhanced Fire Control Group Nickel-Teflon coated for a smooth, crisp trigger pull with positive reset
- LWRCI™ Advanced Trigger Guard is oversized to allow for easy operation with gloves
- Black Nitride treated LWRCI[™] heavy-profile barrel is precisely torqued in our factory to a consistent torque setting. Cold hammer forged 1:7 twist stabilizes a wide range of bullet types
- Nickel-Boron coated bolt carrier for unparalleled wear resistance, corrosion resistance, and permanent lubricity
- Fully-ambidextrous lower receiver controls include the bolt catch and release, the magazine release, and the safety selector
- Magpul® MOE+® Grip combines reinforced polymer body construction with comfortable wrap-around rubber overmolding for maximum weapon control in adverse environments
- LWRCI™ Compact Stock



AVAILABLE COLORS















LAUNCHERS

TAC-SA™

The PepperBall TAC-SA semi-automatic launcher is the perfect tool for crowd management, riot-control scenarios or any other situation requiring high-intensity engagement. The TAC-SA quickly disperses PAVA across expansive areas making it a solid tool for operational teams.

Available Color Options: Availability may be limited.



SPECIFICATIONS

Weight	Caliber	Length	Height	Action	Power	Capacity	Kinetic Impact
6.3lbs/2.8kg	.68 Caliber	28"/71.1cm	12"/30.4cm	Semi-Auto	HPA	180 Rounds	7.3-11ft lb/10-15J

FEATURES

- Uses Standard Round Projectiles
- 30ci High Pressure Air System
- Compatible with Gravity and EL-2 Hoppers
- Variable Universal ASA with ON/OFF Valve
- · No Recoil
- Cross Bolt Safety
- SplitShot™ Compatible
- MIL-STD-1913 Rail Platform
- Maximum Range of 60' for Direct Impact and 150'+ for Area Saturation

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PepperBall® is a registered trademark of United Tactical Systems, LLC, exclusive worldwide manufacturer and supplier of genuine PepperBall products



Winchester 223 Rem (55) Sinterfire Frangible

Symbol: RA223SF - Winchester Ranger Sinterfire Frangible

Shellcase: 223 Rem brass shellcase

Bullet: 55 grain (3.6 gram) Frangible; 100% lead free; copper/tin composite

Diameter .2241 inch (5.69 mm)

Powder: Clean burning, low flash

Primer: Winchester lead free, heavy metal free priming mix; nickel plated cup; boxer type

Accuracy: Product Mean of 2.0 inches (5.1 cm) Extreme Spread

5 shot targets at 100 yards (91.4m) from a 24.0 inch (61.0 cm) SAAMI test barrel

Velocity: 3115 ft/sec (949 m/s) nominal at 15 ft (4.6 m)

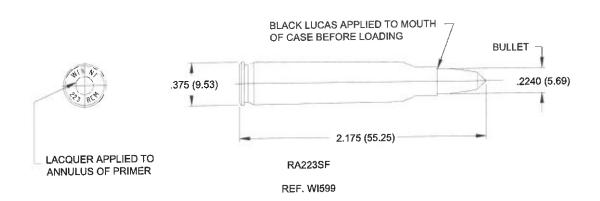
Fired in a 24.0 inch (61.0 cm) SAAMI test barrel

Energy: 1185 ft-lb (1607 joules)

Pressure: 55,000 psi max. average (3792 bars)

Waterproofing: Lacquer applied to primer annulus and Black Lucas applied to mouth of case

NOMINAL DIMENSIONS SHOWN



INFORMATION PUBLISHED HEREIN IS SUBJECT TO CHANGE AT MANUFACTURER'S DISCRETION WITHOUT NOTICE.

PRODUCT INFORMATION SHEET #195 Rev. D 5-25-2004

OLIN CORPORATION • WINCHESTER DIVISION • 427 NORTH SHAMROCK STREET • EAST ALTON, IL 62024-1197 TELEPHONE: 618 258-2000 • WEB SITE: www.winchester.com



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LOKI Mk2

Designed and built in conjunction with several of the world's top counter terrorism teams, LOKI Mk2 solves all problems associated with the tactical use of cornmercial UAS.

Purpose built for close quarter indoor tactical scouting missions, LOVI Mk2 features a highly sensitive Day-Night + IR sensor camera giving it the ability to fly and see in complete darkness.

Mk2 Features

Forward-facing, .0008 lux day/night • camera with 150° wide angle field of view

- On board extremely sensitive HD microphone
- Integrated flight stability/hover system using only onboard sensors
- Front and bottom selectable and dimmable IR LED's
- Turtle mode allowing the drone to automatically self-right in the event of a crash
- Integrated connector for additional payloads, sensors and actuators
- Ruggedized, user repairable cloverleaf body design





GCS Features

- Purpose-built flight controller requiring no internet service, GPS, cellular-phone or tablet
- No forced software or firmware updates providing 100% readiness
- Analog video and flight controls preventing lag and screen freezes
- AE256 control signal and scrambled video signal/relay
- Controls up to four LOK! UAS simultaneously from a single GCS
- Ergonomic and compact design for intuitive flight control
- · No flight training required



Flore Submit CrearyZalica Request a Quote

00:30

What endusers are saying about the LOKI Mk2 LOKI 2.0 alone is a game changer for interior deployments. LOKI 2.0 plus a canine takes it to another level of effectiveness.

Tactical Team Leader

Los Angeles County, CA.

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MATRICE 200

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MATRICE 200 SERIES SPECS

M200

AIRCRAFT

Package Dimensions

34.9×34.6×14.9 inch (887×880×378 mm) Dimensions (unfolded) 28.2×8,7×9.3 inch (71.6×220×236 mm) Dimensions (folded)

Folding Method Diagonal Wheelbase

25,3 inch (643 mm)

Number of Batteries

Approx. 3.80 kg Weight (TB50) Weight (TB55) Approx. 4.53 kg 6.14KG Max Takeoff Weight

Approx.2.34kg (with two standard batteries) Max Payload (2 TB50) Approx.1.61kg (with two standard batteries) Max Payload (2 TB55)

Vertical: ±1,64 feet (0.5m) or ±0.33 feet (0.1m, Downward Hovering Accuracy (P-mode with GPS) Vision System enabled) Horizontal: ±4.92 feet (1.5m) or ±0.98 feet (0.3m. Downward

Vision System enabled)

Pitch: 300° /s ; Yaw: 150° /s Max Angular Velocity

P Mode: 30° (Forward Vision System enabled: 25°) ; A Max Pitch Angle

16.4 ft/s (5 m/s)

Max Descent Speed Max Speed

31,1×15.4×11,4inch (790×390×290mm)

Mode: 35°; 5 Mode: 35°

Vertical: 9.8 ft/s (3 m/s)

GIMBAL

Compatible Gimbals

Zenmuse X4S Zenmuse Z30

REMOTE CONTROLLER

Modei

GL6D10A

Operating Frequency

2.400-2.483 GHz 5,725-5.850 GHz

Max Transmitting Distance (unobstructed, free of interference)

2.4 GHz; 4.3 miles (7 km, FCC); 2.2 miles (3.5 km, CE); 2.5 miles (4 km, SRRC) 5.8 GHz; 4.3 miles (7 km, FCC); 1.2 miles (2 km, CE); 3.1 miles

(5 km, SRRC)

2,4 GHz; 26 dBm (FCC); 17 dBm (CE); 20 dBm (SRRC) 5,8 GHz; 28 dBm (FCC); 14 dBm (CE); 20 dBm (SRRC)

Video Output Ports Built-in battery Power Supply Charging

Host-and-Slave connection Dual User Capability Tablet or Smart Phone Mobile Device Holder

Max Mobile Device Width

9 W (Without supplying power to smart device) Output Power

\$ Mode; 51.4mph (82.8kph) P Mode: 38mph (61.2kph) A Mode: 51,4mph (82.8kph)

Max Service Ceiling Above Sea Level 1.86 mi (3000 m) 39,4 ft/s (12 m/s) Max Wind Resistance Max Flight Time(No Payload, with T850) 27min

Max Flight Time(No Payload, with TB55) 38min Max Flight Time(Full Payload, with TBS0) 13mln Max Flight Time(Full Payload, with TB55) 24min Motor Model

-4° to 113° F(-20° to 45° C) Operating Temperature

IP Rating

Propeller Model

GIMBAL INSTALLATION

Downward Gimbal Mount Not Supported Unward Gimbal Mount Not Supported Downward Dual Gimbal

BATTERY (STANDARD)

Model 4280 mAh Capacity 22.8V Voltage Battery Type Energy Approx.520g Net Weight

-4° to 113° F (-20° to 45° C) Operating Temperature

Less than 3 months: -4° to 113° F (-20° to 45° C) More than 3 months: 72° to 82° F (22° to 28° C) Storage Temperature

41° to 104° F (5° to 40° C) Charging Temperature

180 W Max Charging Power

Operating Temperature

Less than 3 months: -4° to 113° F (-20° to 45° C) More than 3 months: 72° to 82° F (22° to 28° C) Storage Temperature

32° to 104° F (0° to 40° C) Charging Temperature 6000mAh 25 LiPo

IOS: 1 A @ 5,2 V (Max); Android: 1.5 A @ 5,2 V (Max) USB Supply Power

BATTERY (OPTIONAL)

7660 mAh Capacity Voltage Battery Type Energy Approx. 885g Net Weight

-4° to 113° F(-20° to 45° C) Operating Temperature Less than 3 months: -20° C to 45° C More than 3 months: 22° C to 28° C Storage Temperature

Charging Temperature

Max Charging Power

DJI GO 4 APP

IOS 9.0 or later, Android 4.4.0 or later Mobile Device System Requirements

IOS: IPhone 5s, IPhone 5E, IPhone 6, IPhone 6 Plus, IPhone 6s, Supported Mobile Devices iPhone 6s Plus, iPhone 7, iPhone 7 Plus, iPad Air, iPad Air Wi Fi + Cellular, iPad mini 2, IPad mini 2 WI-Fi + Cellular, iPad Alr

2, iPad Air 2 Wi-FI + Cellular, iPad mini 3, iPad mini 3 Wi-FI + Cellular, Pad mini 4 wi-FI + Cellular, This app is optimized for iPhone 7, iPhone 7 Pius. Android:Samsung tabs 705c, Samsung 56, Samsung 55, Samsung NOTE4, Samsung NOTE3, Google Nexus 6p, Nexus 9, Google Nexus 7 II, Ascend Mate7, Huawei P8 Max, Huawei Mate 8, LG VZO. Nubla 27 mini, Sony Xperia 23, Mi 3, Mi PAD, Smartisan T1.

*Support for additional devices available as testing and

development continues.

CHARGER

Voltage Rated Power

UPWARD INFRARED SENSOR

Obstacle Sensing Range 0-16,4 feet (0-5 m)

Large-sized object with diffuse relecting surface or high relective rate (>10%) Operating Environment

FORWARD VISION SYSTEM

2.3-98,4 feet (0.7-30 m) Obstacle Sensing Range Horizontal 60°, Vertical 54°

Surfaces with clear patterns and adequate lighting (> 15 lux) Operating Environment

DOWNWARD VISION SYSTEM

<32,8 ft/s (10 m/s) at the height of 6,56 feet (2 m) Velocity Range

Altitude Range <32.8 Feet (10 m) Operating Range

Surfaces with clear patterns and adequate lighting (> 15 lux) Operating Environment

Ultrasonic Sensor Operating Range 0.33-16,4 feet (10-500 cm)

Ultrasonic Sensor Operating Non-absorbing material, rigid surface (thick indoor carpeting will reduce performance)

M210

Dimensions (unfolded)

GIMBALS AIRCRAFT

Compatible Gimbals Zenmuse X4S Package Dimensions 31.1×15.4×11.4inch (790×390×290mm) Zenmuse XT

34 9×34.6×14.9 inch (887×880×378 mm)

28,2×8.7×9,3 inch (716×220×236 mm) Dimensions (folded)

Folding Method 25.3 inch (643 mm) Diagonal Wheelbase

Number of Batteries

Approx,3.84kg (with two standard batteries) Websitt (TR50) Approx.4.57kg (with two standard batteries) Weight (TB55)

Max Takeoff Weight

Approx.2.3kg (with two standard batteries) Max Payload (2 TB50) Approx.1.57kg (with two standard batteries) Max Payload (2 T855)

Vertical: ±0.5 ,Downward Vision System enabled: ±0.1 Horizontal: ±1.5 ,Downward Vision System enabled: ±0.3 Hovering Accuracy (during safe flights)

Pltch: 300° /s ; Yaw:150° /s Max Angular Velocity P Mode: 25° (Forward Vision System enabled: 25°); A

Max Pitch Angle (Dual Downward

P Mode: 30° (Forward Vision System enabled: 25°); A Mode: 30°; S Mode: 35°

Max Pitch Angle(Single Upward/Downward Gimbal) 16.4 ft/s (5 m/s) Max Ascent Speed

Max Descent Speed Vertical: 9.8 ft/s (3 m/s) S Mode: 40.3mph (64.8kph) Max Speed(Dual Downward Gimbals) A Mode: 38mph (61,2kph)

Max Speed (Single Upward/Downward

5 Mode: 51.4mph (82,8kph) P Mode: 38mph (61.2kph) A Mode: 51.4mph(82.8kph)

Max Service Calling Above Sea Level 39.4 ft/s (12 m/s) Max Wind Resistance Max Flight Time(No Payload, with TB50) 27min Max Flight Time(No Payload, with TB55) 38min

Max Blight Time(Full Payload, with T850) 13min Max Flight Time(Full Payload, with 1855) 24min Motor Model 1760S Propeller Model

-4° to 113° F(-20° to 45° C) Operating Temperature

IP43 IP Rating

GIMBAL INSTALLATION

Downward Gimbal Mount Upward Gimbal Mount Supported Downward Dual Gimbal

CHARGER

26.1 V Voltage Rated Power

FORWARD VISION SYSTEM

2.3-98.4 feet (0.7-30 m) Obstacle Sensing Range Horizontal 60°, Vertical 54° FOV

Surfaces with clear patterns and adequate lighting (> 15 lux) Operating Environment

DOWNWARD VISION SYSTEM

<32.8 ft/s (10 m/s) at height of 6.56 feet (2 m)

<32.8 feet (10 m) Altitude Range <32.8 feet (10 m) Operating Range

Surfaces with clear patterns and adequate lighting (> 15 lux) Operating Environment

Ultrasonic Sensor Operating Range 0,33-16,4 feet (10-500 cm)

Non-absorbing material, rigid surface (thick Indoor carpeting will reduce performance) Ultrasonic Sensor Operating

BATTERY

TB50 4280 mAh 22.8V LiPo 6S Battery Type 97.58 Wh Energy Approx. 520 g Net Weight -20°C to 45°C Operating Temperature

Storage Temperature Less than 3 months: -4° to 113° F (-20° Storage Temperature

More than 3 months: 72° to 82° F(22° to 28° C) 41° to 104° F (5° to 40° C)

Charging Temperature 180 W Max Charging Power TB55

7660 mAh Capacky 22.8V LIPo 6S 176.93Wh Approx, 885 g Net Weight

-4"to 113" F(-20"to 45"C) Operating Temperature Less than 3 months: -20° C to 45° C More than 3 months: 22° C to 28° C Storage Temperature

41° to 104° F(5° to 40° C)

Charging Temperature Max Charging Power

DJI GO 4 APP

DII GO 4

10S 9.0 or later, Android 4.4.0 or later Mobile Device System Requirements

iOS: Phone 5s, iPhone SE, iPhone 6, IPhone 6 Plus, iPhone 6s, Supported Mobile Devices

(OSJP) none SS, (Phone SS, (Phone B), (Phone B), (Phone B), (Phone B), (Phone F), (Phone Centari, traditina management of the properties Nubla Z7 mini, Sony Xperia Z3, MI 3, MI PAD, Smartisan T1.

*Support for additional devices available as testing and

UPWARD INFRARED SENSOR

Obstade Sensing Range

FOV

Large, diffuse and reflective obstacles (reflectivity > 10%) Operating Environment

CENDENCE

EIRP

2,400-2,483 GHz; 5,725-5,825 GHz Operating Frequency

2.4 GHz; 4.3 miles (7 km, FCC); 2.2 miles (3.5 km, CE); 2.5 miles Max Transmitting Distance (unobstructed, free of interference)

(4 km, SRRC) 5.8 GHz: 4.3 miles (7 km, FCC): 1.2 miles (2 km, CE): 3.1 miles

2 4 GHz: 26 dBm (FCC); 17 dBm (CE); 20 dBm (SRRC)

(5 km, SRRC)

5.8 GHz: 28 dBm (FCC); 14 dBm (CE); 20 dBm (SRRC)

Extended Intelligent Battery (Model: WB37-4920mAh-7.6V) Power Supply

4923 mAh LiPo Intelligent Bartery

Charging

20 W (supplying power to DJI CS550 monitor) Output Power 12 W (without supplying power to monitor)

USB, HDMI. SDI Video Output Ports

IOS: 1 A, 5.2 V (Max); Android: 1.5 A, 5,2 V (Max) USB Supply Power

Master-and-Slave connection **Dual User Capability**

-4° to 104 °F(-20° to 40 °C) Operating Temperature

Less than 3 months; -4 ° to 113 °F(-20 ° to 45 °C) Storage Temperature More than 3 months: 72 °to 82 °F (22 °to 28 °C)

Charging Temperature

32*to104°F(0°to40°C)

Charging Time Supply Power Time

Weight

About 2 hours and 24 minutes (using a 180 W charger) About 4 hours (only Master remote controller function

enabled and without supplying power to monitor)

M210 RTK AIRCRAFT

31,1×15.4×11.4inch(790×390×290mm) Package Dimensions

34.9×34.6×16.1 inch (Unfolded, 887×880×408 mm). Dimensions (unfolded) 28.2×11.3×9,3 inch (Folded, 716×287×236 mm) Dimensions (folded)

M210 RTK

Fording Method Diagonal Wheelbase

Number of Batteries

Weight (T850) Approx. 4.42 kg Approx. 5.51 kg

Max Payload (2 TB50) Approx.1.72 kg (with two standard batteries)

Max Payload (2 TB55) Approx.0.99 kg (with two optional batteries) Hovering Accuracy (P-mode with GPS)

Vertical: ±1.64 feet (0.5 m) or ±0.33 feet (0.1 m, Downward Vision System enabled) or ±0.33 feet (0.1 m, RTK enabled) Horizontal; ±4.92 feet (1.5 m) or ±0.98 feet (0.3 m, Downward Vision System enabled) or ±0.33 feet (0.1 m, RTK enabled)

Max Angular Velocity

Max Pitch Angle(Dual Downward

P Mode: 25° (Forward Vision System enabled: 25°) ; A

Mode: 25°; S Mode: 30°

Pitch: 300°/s, Yaw: 150°/s

S Mode; 51.4mph (82,8kph)

P Mode: 30° (Forward Vision System enabled: 25°); A

Max Pitch Angle(Single Upward/Downward Gimbal) Mode: 30°; 5 Mode: 35°

16.4 ft/s (5 m/s) Max Descent Speed Vertical: 9.8 ft/s (3 m/s)

Max Speed (Dual Downward Gimbals) S Mode: 40.3mph (64.8kph) P Mode: 38mph (61.2kph) A Mode: 38mph (61.2kph)

Max Speed (Single Upward/Downward

A Mode: 51.4mph(82.8kph)

Max Service Ceiling Above Sea Levei 1,86 miles (3000 m) Max Wind Resistance 39.4 ft/s (12 m/s)

Max Flight Time(No Payload, with TB50) 23min Max Flight Time(No Payload, with T855) 32mln Max Flight Time(Full Payload, with TB50) 13mln Max Hight Time(Full Payload, with TB55) 24min DJI 3515 Motor Model

-4° to 113° F(-20° to 45° C) Operating Temperature

IP Rating

GIMBAL INSTALLATION

Supported Downward Gimbal Mount Supported Upward Gimbal Mount Supported Downward Dual Gimbal

CHARGER

Propeller Model

IN2C180 Voltage Rated Power

FORWARD VISION SYSTEM

Obstacle Sensing Range

Horizontal 60°, Vertical 54°

GIMBALS

Zenmuse X4S Compatible Gimbals

Zenmuse XT

BATTERY

TB50 4280 mAh Voltage 22.8V LiPo 65 Battery Type 97.58Wh Approx.520g Net Weight

Operating Temperature

Less than 3 months: -4° to 113° F (-20° to 45° C) Storage Temperature More than 3 months: 72° to 82° F (22° to 28° C)

41° to 104° F (5° to 40° C) Charging Temperature

Max Charging Power Model Capacity Voltage Battery Type 176,93Wh Energy

Net Weight -20°C to 45° C Operating Temperature

Less than 3 months: -20° Cto 45° C ·More than 3 months: 22° C to 28° C

41° to 104° F (5° to 40° C) Charging Temperature

Max Charging Power 180 W

DJI GO 4 APP

Mobile Device System Requirements Supported Mobile Devices IOS: Phone 5s, iPhone SE, IPhone 6, iPhone 6 Plus, iPhone 6s

IOS 9,0 or later, Android 4.4.0 or later

iPhone 6s Plus, iPhone 7, IPhone 7 Plus, IPad Air, iPad Air Wi H + Cellular, iPad mini 2, iPad mini 2 Wi-R + Cellular, iPad Air 7. (Pad Air 2 Wi-Fi - Cellular, iPad mini 3, iPad mini 3 Wi-Fi + Cellular, iPad mini 4 Wi-Fi + Cellular, iPad mini 4 and iPad mini 4 Wi-Fi + Cellular, This app is optimized for iPhone 7, iPhone 7 Pius. Android/Samsung tabs 7/05c, Samsung SG, Samsung NOTE4, Samsung NOTES, Google Nexus 6p, Nexus 9, Google Nexus 7 SI, Ascend Mate?, Huawel P8 Max, Huawel Mate 8, LG V20, Nubla Z7 mini, Sony Xperia Z3, Mi 3, Mi PAD, Smartisan 71.

*Support for additional devices available as testing and development continues.

UPWARD INFRARED SENSOR

Obstacle Sensing Range

0-16.4 feet (0-5 m)

Operating Environment

Large-sized object with diffuse reflecting surface or high

reflective rate (>10%)

CENDENCE

2,400-2,483 GHz; 5,725-5,825 GHz Operating Frequency

Operating Environment

Surfaces with clear patterns and adequate lighting (> 15 lux)

Max Transmitting Distance (unobstructed, free of interference)

Power Supply

Charging

Output Power

Intelligent Battery

Video Output Ports

USB Supply Power

2.4 GHz: 4.3 miles (7 km, FCC); 2.2 miles (3,5 km, CE); 2.5 miles (4 km, SRRC) 5.8 GHz: 4.3 miles (7 km, FCC); 1.2 miles (2 km, CE); 3.1 miles

(5 km, SRRC)

2.4 GHz; 26 dBm (FCC); 17 dBm (CE); 20 dBm (SRRC) 5.8 GHz; 28 dBm (FCC); 14 dBm (CE); 20 dBm (SRRC) Extended Intelligent Battery (Model: WB37-4920mAh-7.6V)

4923 mAh LiPo

20 W (supplying power to DJI C5550 monitor) 12 W (without supplying power to monitor)

IOS: 1 A, 5.2 V (Max); Android: 1.5 A, 5.2 V (Max)

Master-and-Slave connection

-4 * to 104 *F(-20 * to 40 *C)

Less than 3 months: -4° to 113°F(-20 *to 45°C) More than 3 months: 72 °to 82 °F (22 °to 28 °C)

32°to 104°F(0°to 40°C)

About 2 hours and 24 minutes (using a 180 W charger)

About 4 hours (only Master remote controller function enabled and without supplying power to monitor)

1041 g

DOWNWARD VISION SYSTEM

Altitude Range

Operating Range

Operating Environment Surfaces with clear patterns and adequate lighting (> 15 lux)

Ultrasonic Sensor Operating

<32.8 ft/s (10 m/s) at height of 6.56 feet (2 m)

<32.8 feet (10 m)

<32.8 feet (10 m)

Surfaces with clear patterns and adequate lighting (> 15 lux)

0,33-16.4 feet (10-500 cm)

Non-absorbing material, rigid surface (thick indoor carpeting will reduce performance)

Dual User Capability

Operating Temperature

Storage Temperature

Charging Temperature Charging Time Supply Power Time

MATRICE 200 SERIES VIDEOS

TUTORIALS



All playage 200 remote controllers are linked to the preside delayer

DJI Matrice 200 - Linking the Aircraft and the Remote Controller 2017-07-24

INTRO



DJI - M200 - Powerline Inspection Tool 2017-07-19



DJI Matrice 200 Series – Updating the Remote Controller Firmware 2017-07-24



DJI Matrice 200 - Activating the Aircraft

LOAD MORE



DJI - M200 - Search and Rescue in Extreme Environments



DJI - Introducing the Matrice 200 Series (Extended Version)

MATRICE 200 SERIES DOWNLOADS

/ Products / Matrice 200 Series / Downloads

SOFTWARE

DJI Assistant 2 Release Notes 2017-12-29	ZIP	PDF
DJI Assistant 2 v.1, 2, 0 2017-12-29	ZIP	EXE
DJI Assistant 2 v.1.2.0 2017-12-29	DVG	
CAMERA FIRMWARE Zenmuse Z30 Firmware	2.9	

CAMERA FIRMWARE	
Zenmuse Z30 Fkmware 2017-08-29	2.8
Zenmuse XT Firmware for Matrice 200 Series 2017-06-28	ZP

DOCUMENTS & MANUALS		
Matrice 200 series Release Notes 2017-12-29	20	PCF
Matrice 210/Matrice 210 RTK User Manual v1.0 2017-09-19	5.0	PDF
Matrice 210/Matrice 210 RTK Quick Start Guide v1.0 2017-08-01	ZIP	TOF
Matrice 210/Matrice 210 RTK in the Box 2017-08-01	ZF	FUF
Matrice 200 User Manual v1.2 2017-09-19	202	PDF
Matrice 200 Quick Start Guide v1.0 2017-06-21	ZIP	ior.
Matrice 200 in the Box 2017-06-21	221	POF
Matrice 200 series Safety Guldelines and Disclaimer v1.2 2017-09-26	28	FUI
Matrice 200 series intelligent Flight Battery Safety Guidelines v1.0 2017-06-21	Zif	FDF
CrystalSky User Guide 2017-08-17	ZIP	101
M210/M210 RTK Dimensions	75	PDF

2017-09-13

Matrice 200 series Maintenance Guide 2017-12-28

ZIP

PDF

APP / DJI PILOT



MATRICE 200 SERIES FAQ

Home / Products / Matrice 200 Series / FAQ

	_	-	•	9

1.What is the difference between the M100, M200 and M600?

3.What is the difference between the M100, M200 and M600?

4.Is a case biduded with my M200 Series drone?

5.What is 1P43 protection rating, and in what scenarios can the Matrice 200 series be protected under this rating?

6.Can I use the Matrice 200 series on rainy days? And what are some factors to consider when flying in tainy weather?

7.Will the covered if my aircraft incurs water damage?

8.Does my M200 Series drone to be regularly checked when flying in sandy environments?

9.Can I carry the M200 batteries on a commercial airplane?

10.What happens if one battery falis?

11.For the M210 RTK model, is there any extra setup required for this unit?

APPLICATIONS

1.I'm a filmmaker, is this the best option for me?

3.My business is interested in integrating drones into our business, where can we learn more?

PAYLOADS						
1.What cameras are compat	rible with the M200 series?				>	
2.What dual gimbal configur	ations are supported by the M2	10 models?			>	
3.How do I mount an upward	d payload?				>	
4.Can you fly with both the X	T and Z30 at the same time?				>	
5.Can you mount a camera t	upwards and downwards at the	same time?			3	
6.Can the Zenmuse XT came	era be used with the M200 Series	platform?			,	
SOFTWARE						
	grams are compatible with the f	A200 series?			>	
2.What's new in the DJI Pilot.	арр?				>	
3.What programs can luse for	or creating reproducible flight p	ans for automated flight?			1	
4,Where can I learn more ab				5	•	
OTHER						
1.How long does it take to ch	narge a remote controller? How	ong does it last on a full charge:			>	
2.Does my M200 Series dror	ne come with a Micro SD card?				¥	
3.What is the latency of the t	ransmission system?				,	
4.Can you use batteries char	rged at different levels?				>	
5.Do I need to pair the batter	ries?				>	
6.Does the M200 Series supp	port the Adobe CinemaDNG and	Apple ProRes?			,	
7.Does the M200 have a RTH	I function?				8	
8. How do I enable autofocus	इरे इरे				>	
					e	
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Professional

Enterprise

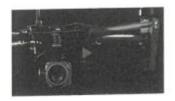
Components

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DJI - INTRODUCING ZENMUSE Z30



ZENMUSE Z30

ZENMUSE Z30 SPECS

Home / Products / Zenmuse Z30 /

SPECS VIDEOS DOWNLOADS FAQ

CONTACTUS

GENERAL

Name

Dimensions Weight

Zenmuse Z30 152×137×61 mm

556 g

CAMERA

Sensor

CMOS, 1/2.8" Effective Pixels: 2.13 M

30x Optical Zoom F1.6 (Wide) - F4.7 (Tele) Zoom Movement Speed: - Optical Wide - Optical Tele: 4.5 sec - Optical Wide - Digital Tele: 6.4 sec - Digital Wide - Digital Tele: 1.8 sec

Focus Movement Time: ∞-near: 1.1 sec

FOV

63.7°(Wide) - 2,3°(Tele)

Digital Zoom Min. Working Distance

10 mm - 1200 mm JPEG MOV, MP4

Video Formats Working Modes

Photo Formats

Capture, Record, Playback

Still Photography Modes

Single shot, Burst shooting: 3/5 frames, Interval (2/3/4/7/10/15/20/30 sec)

Exposure Mode

Exposure Mode Auto, Manual, Shutter priority, Aperture priority

Exposure Compensation

±2.3 (1/3 increments)

GIMBAL

Angular Vibration Range

Mount

Controllable Range

Merhanical Range Max Controllable Speed ±0.01°

Detachable

Pitch: +40° to -90°, Yaw: ±320° Pftch": +50° to -140°, Yaw: ±330°, Roll: +90° to -50°

Pitch": 180°/s, Yaw: 180°/s

ENVIRONMENTAL

Operating Temperature

Non-Operating Temperature

14° to 113° F (-10° to 45° C) -4° to 140° F (-20° to 60° C) Metering Mode

Center-weighted metering, Spot metering (Area option 12x8)

AE Lock

Supported 1/30 – 1/6000 s

Electronic Shutter Speed

Auto, Sunny, Cloudy, Incandescent, Custom (2000K - 10000K)

White Balance Video Captions

Supported

TapZoom Range

Supported

Defog One Keyto 1x Image Supported Supported

Anti-flicker PAL/NTSC 50 Hz, 50 Hz

Supported SD Cards

MicroSD (SD/SDHC/SDXC) Max, Capacity: 64 GB, Class 10 or UHS-1

Supported File Systems

FAT32 (≤32 GB)

ZENMUSE Z30 VIDEOS

/ Products / Zenmuse Z30 / Videos

INTRO



Z30 Intro

2016-12-26

TUTORIALS





MOUNTING TO THE MATRICE 100

Zenmuse z30 Mounting To The Matrice 100 2016-12-28



Z30 Cell Tower Inspection



Z30 Fire Firefighter

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DOCUMENTS AND MANUALS

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PDF

CAMERA FIRMWARE

Zenmuse Z30 Release Notes 2017-08-29

ZIP

ZIP

Zervntrse Z30 Armware 2017-08-29 ZIP

Zermuse 230 User Manual 2016-12-28

Zenmuse 230 Quick Start Guide 2016-12-28 ZIP PDF

ZENMUSE Z30 FAQ

1. What kind of zoom does the Zenmuse Z30 have? How much does it zoom by?

Home / 1 / FAC

2.Can the Zenmuse Z30 be used on the Osmo handle?

3.What applications and what kind of specific scenarios are the Z30 suited for?

4.Is the Zenmuse Z30 compatible with the Inspire series?

5. What is the difference between the Zenmuse 230 and Zenmuse 23?

6. Will there be any video shake when using Zenmuse 230?

7. What intelligent features does the Zenmuse 230 support when used with the DJI Matrice 600?

ZENMUSE Z30

enterprise@dji.com Contact us for more information

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UNLOCK THE POSSIBILITIES OF SIGHT

Thermal imaging from the air has never been as easy as it is with the DJI Zenmuse XT. By combining DJI's unrivaled expertise in gimbal technology and image transmission with the industry leading thermal imaging technology of FLIR, the Zenmuse XT is the ultimate solution for rapid and reliable aerial thermal imaging. Capture faster, with pinpoint precision, over large areas, then save them for analysis and reporting.



Introducing the DJI Zenmuse XT

ZENMUSE XT

SPECS VIDEOS DOWNLOADS FAQ EXPORT

CONTACTUS

ZENMUSE XT SPECS

Harne / Products / Zenmuse XT /

GENERAL

Dimensions

Zenmuse XT

Weight

103 mm x 74 mm x 102 mm

CAMERA

Thermal imager

FPA/Digital Video Display Formats

Analog Video Display Formats

Pixel Pitch

Spectral Band

Full Frame Rates

Exportable Frame Rates Sensitivity (NEdT)

Scene Range (High Gain)

Scene Range (Low Gain)

Spot Meter File Storage

Photo Format Video Format Uncooled VOx Microbolometer

- 640×512

• 336×256

720 × 480 (NTSC): 720 × 576 (PAL)

17 µm

7,5 - 13,5 µm

640 × 512 : 30 Hz (NTSC) 25 Hz (PAL)

336 x 256 : 30 Hz (NTSC) 25 Hz (PAL)

7.5 Hz NTSC; 8.3 Hz PAL

<50 mK at f/1.0

640 × 512 : -13° to 275°F(-25° to 135°C)

-40° to 1022°F (-40° to 550°C)

JPEG, TIFF

. 336×256: -13°(o212°F(-25°to 100°C)

Temperatures measured in central 4×4

MicroSD Card

MP4

GIMBAL

Angular Vibration Range

±0.03* Detachable

Controllable Range

Tilt: +35° to -90°; Pan: ±320°; Roll: ±15°

Mechanical Range

Tilt: +45° to -135° Pan: ±320° Roll: ±45°

Max Controllable Speed

120%

IMAGE PROCESSING & DISPLAY CONTROLS

yes NTSC/PAL (field switchable) yes Image Optimization yes Digital Detail Enhancement Polarity Control (black hot/white hot)

Color & Monochrome Palettes (LUTs)

Digital Zoom

336 × 256 : 2x, 4x

ENVIRONMENTAL

Operating Temperature Range 14° to 104°F(-10° to 40°C) Non-Operating Temperature Range -22° to 158°F (-30° to 70°C) Temperature Shock

5%to 95%

LENS MODELS

Lens Models		6.8 mm	7.5 mm	9 mm	13 mm	19mm
17μ640×512	FoV 1FoV	X2	f/1.4 90° x 69° 2.267 mr	F/1.4 69° x 56° 1.889 mr	f/1,25 45° x 37" 1,308 mr	f/1.25 32° x 25° 0.895 mr
17μ336×256	FoV iFoV	f/1.4 49.1° x 37.4° 2.519 mr	1	f/1.25 35° x 27° 1.889 mr	f/1,25 25° x 19° 1,308 mr	6/1,25 17° x 13° 0,895 mr
Min Focus Distance		2.3 cm	2.5 cm	3.2 cm	7.6 cm	15.3 cm
Hyperfocal Distance		1.2 m	1.2 m	2.1 m	4.4 m	9.5 m
Hyperfocal Depth of Field		0.6 m	0.6 m	1.1 m	2.2 m	4.8 m

ZENMUSE XT VIDEOS

Home / Products / ZenmuseXT



Introducing the DJI Zenmuse XT 2015-12-10

ZENMUSE XT DOWNLOADS

FIRMWARE

ZiP Zenmuse XT Firmware V1.24,0.10 (Inspire 1) 2016-12-22 ZIP

Zenmuse XT Firmware V1.24.0.10 (Matrice 100) 2016-12-22 Zenmuse XT Armware V1.24.0.10 (Matrice 600) 2016-12-22 ZJP

ZIP ise XT Firmware for Matrice 200 Series 2017-06-28

DOCUMENTS & MANUALS

Zenmuse XT Disclaimers and Warnings 2016-03-22

ZIP] Zenmuse XT Release Notes 2017-06-28 PDF Zenmuse XT User Manual 2016-07-11 CIP Zenmuse XT Quick Start Guide 2016-04-20 Radiometry Technical Note 2016-06-14

ZIP :

ZENMUSE XT FAQ

Home Products /

1. What is the different between infrared Camera and general camera?	•
2. Whether the aperture, focus length and shutter of ZENMUSEXY Carriera can be adjusted?	3)
3. Whether ZENMUSE XT is able to take photos and record video simultaneously?	>
4.How long is the flight time of Inspire 1 mounting with Zenmuse XT?	•
5.What kind of equipment does ZENMUSE XT Camera support?	>
6.Can the Zenmuse XT camera be used with the M200 Series platform?	,
7.Can the lens of ZENMUSE X7 Carnera be replaced?)
8. Does the camera come with a standard SD card?	>
9,What is DDE?	>
10. What is \$50?	>
11. Why the maximum resoultion is only 640 × 512 ?	3
12. Does the carnera support 4K video recording?	,
13.What is Zenmuse XT's video format?	>
14. What is the option 'Palette?	>
15. What is the option 'Scene'?	,
16.What is the option 'ROI?	2
17. What is the 'Isotherm' mode?	,
18.What is TIFF format image?	,
19. What kind of softwares can open TIFF format images?	>
20.What is the accuracy and measurement range of TIFF format images?	,
as up of the sold offer temperature?	>

22. What is R-JPEG format image?

23. Can the Zernmuse XT camera be used with the M200 Series platform?

ZENMUSE XT EXPORT

Home / Products / Zenmuse XT / EXPORT

- * Slow-rate thermal cameras (FLIR Tau 336 and 640 9 Hz models) sold by DJI are controlled under Department of Commerce, Bureau of Industry and Security Export Control Classification Number (ECCN) 6A993. These cameras may not be exported or re-exported to countries subject to U.S. economic sanctions, currently including Cuba, Iran, North Korea, Sudan, Syria, or the Crimea region of Ukraine. The cameras may not be transferred to prohibited parties or exported for a prohibited end use, as described in the U.S. Export Administration Regulations (EAR, 15 C.F.R. Parts 730 774).
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Components	Become a Dealer	Help Purchasing	DJI Global Citizenship		
	Authorized Retail Store	After-Sales Service Policies			
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English 🔨

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Company * Industry *

North America ▼ United States

State *

Specs

Specs

Mavic 2 Enterprise Advanced

Aircraft

Takeoff Weight (Without

909g

Accessories)

Max Takeoff Weight

1100g

Dimensions (L×W×H)

Folded: 214×91×84mm

Unfolded: 322×242×84mm

Unfolded+Spotlight: 322×242×114mm Unfolded+Beacon: 322×242×101mm Unfolded+Speaker: 322×242×140mm Unfolded+RTK Module: 322x242x125mm

Diagonal Distance

354 mm

Max Ascent Speed

6 m/s (S-mode)

5 m/s (P-mode)

4 m/s (S-mode with accessories) 4 m/s (P-mode with accessories)

Max Descent Speed

Descend Vertically 5 m/s (5-mode) 4 m/s (P-mode)

Tilt

7 m/s (S-mode) 4 m/s (P-mode)

Max Speed

72 kph (S-mode, without wind) 50 kph (P-mode, without wind)

Max Service Celling Above Sea

Level

6000 m

Max Flight Time

31 min (measured while flying at 25 kph in windless conditions)

28 min (RTK module attached) 29 min (with beacon turned on) 30 min (with beacon turned off) 24 min (with spotlight turned on) 28 min (with spotlight turned off) 27 min (with speaker turned on) 28 min (with speaker turned off)

Max Wind Speed Resistance

10 m/s (scale 5)

Max Tilt Angle

35°(S-mode, with remote controller)

25°(P-mode)

Max Angular Velocity

200°/s (S-mode) 100°/s (P-mode)

Operating Temperature

-10° to 40° C

GNSS

GP5+GLONASS

Hovering Accuracy Range

Vertical:

 ± 0.1 m (with RTK)

±0.1 m (with Vision Positioning) ±0.5 m (with GPS Positioning)

Horizontal: ± 0.1 m (with RTK)

 $\pm 0.3 \, m$ (with Vision Positioning) ± 1.5 m (with GPS Positioning)

Operating Frequency

2.400-2.4835 GHz; 5.725-5.850 GHz

Transmitter Power (EIRP)

2.400 - 2.4835 GHz FCC: ≤26 dBm; CE: ≤20 dBm; SRRC: ≤20 dBm; MIC: ≤20 dBm 5.725 - 5.850 GHz FCC: ≤26 dBm; CE: ≤14 dBm; SRRC; ≤26 dBm

Internal Storage

24 GB

M2EA Thermal Camera

Sensor

Uncooled VOx Microbolometer

Focal Length

Approx. 9mm

35 mm format equivalent Approx. 38mm

Sensor Resolution

640×512 @30Hz

Accuracy of Thermal Temperature

Measurement: ±2°C or ±2%, whichever is greater.

Scene Range

-40 °C to 150 °C (High Gain) -40 °C to 550 °C (Low Gain)

Digital Zoom

16×

Pixel Pitch

12 µm

Spectral Band

8-14 µm

Photo Format

R-JPEG

Video Format

MP4

Metering Method

Spot Meter, Area Measurement

FFC

Auto/Manual

M2EA Visual Camera

Sensor

1/2" CMOS, Effective Pixels: 48 M

Lens

FOV: 84°

35 mm format equivalent: 24 mm

Aperture: f/2.8 Focus: 1 m to ∞

ISO Range

Video: 100-12800 (auto) Photos: 100-1600 (auto)

Digital Zoom

32×

Max Image Size

8000×6000

Still Photography Modes

Single shotInterval: 2/3/5/7/10/15/20/30/60 s

Panorama: Sphere

Video Resolution

3840×2160@30fps 1920×1080@30fps

Photo Format

JPEG

Video Format

MP4

Gimbal

Mechanical Range

Tilt: -135°-+45° Pan: -100°-+100°

Controllable Range

Tilt: -90°- +30° Pan: -75°- +75°

Stabilization

3-axis (tilt, roll, pan)

Max control speed

120°/s

Angular Vibration Range

±0.005°

Sensing System

Sensing System

Omnidirectional Obstacle Sensing[2]

Forward

Precision Measurement Range: 0.5 - 20 m

Detectable Range: 20 - 40 m Effective Sensing Speed: ≤ 14m/s FOV: Horizontal: 40°, Vertical: 70°

Backward

Precision Measurement Range: 0.5 - 16 m

Detectable Range: 16 - 32 m Effective Sensing Speed: ≤ 12m/s FOV: Horizontal: 60°, Vertical: 77°

Upward

Precision Measurement Range: 0.1-8 m

Downward

Precision Measurement Range: 0.5 -11m

Detectable Range: 11-22 m

Sides

Precision Measurement Range: 0.5 - 10 m

Effective Sensing Speed: ≤ 8m/s FOV: Horizontal: 80°, Vertical: 65°

Operating Environment

Forward, Backward and Sides:

Surface with clear pattern and adequate lighting

(lux > 15)

Upward: Detects diffuse reflective surfaces(>20%)

(walls, trees, people, etc.)

Downward: Surface with clear pattern and adequate lighting

(lux > 15)Detects diffuse reflective surfaces (>20%)

(walls, trees, people, etc.)

Remote Controller

Operating Frequency

2,400 - 2,483 GHz; 5,725 - 5,850 GHz

FCC: 10000m

Max Transmission Distance (unobstructed, free of

interference)

2.400 - 2.483 GHz; 5.725 - 5.850 GHz

CE: 6000m SRRC: 6000m MIC: 6000m

Transmission Power (EIRP)

2.400-2.4835 GHz:

25.5 dBm (FCC) ; 18.5 dBm (CE) 19 dBm (SRRC) ; 18.5 dBm (MIC)

5.725-5.850 GHz:

25.5 dBm (FCC) ; 12.5 dBm (CE) 18.5 dBm (SRRC)

Storage

ROM 16GB + microSD Extensible Storage

Video Output Port

HDMI Port

Built-in Battery

Type: 18650 Li-Po (5000 mAh @ 7.2 V)

Charging Mode: Charged with USB charger at 12V/2A

Rated Power 15 W

Charging time: 2 hr (with a USB charger at 12V/2A)

Operating Current/Voltage

1800mA - 3.83V

Battery Life

Built-in Battery Approx. 2.5 hr

Operating Temperature

-20° C - 40° C

RC Size

Folded without Joystick: 177.5 x 121.3 x 40 mm Unfolded with Joystick: 177.5 x 181 x 60 mm

Weight

Approx. 630 g

Intelligent Flight Battery

Main Link: 17.6V - 3.41A or 17.0V-3.53A

USB: 5.0 V - 2.0 A

Intelligent Flight Battery

Capacity

3850 mAh

Voltage

15.4V

Max Charging Voltage

17.6V

Battery Type

LiPo

Energy

59.29 Wh

Net Weight

297g

Charging Temperature

5°C - 40°C

Operating Temperature Range:

-10°C-40°C

Heating Methods:

Manual Heating, Auto Heating

Heating Temperature

-20°C - 6°C

Heating duration

500s (Max)

Heating Power

55W (Max)

Charging Time

90 mins

Max Charging Power

80W

RTK Module

Dimensions

69 mm x 69 mm x 59mm

Connections

Micro USB Port

RTK Positioning Precision

In RTK FIX

1cm+1ppm (Horizontal) 1.5cm+1 ppm (Vertical)

M2EA Spotlight

Dimensions

68×60×41mm

Connections

Micro USB Port

Operating Range

30 m

Power

Max 26W

Illuminance

FOV17°, Max: 11lux @ 30m Straight

M2EA Beacon

Dimensions

68mm×40mm×27.8mm

Connections

Micro USB Port

Power

Avg. 1.6W

Controllable Range

5000 m

Light intensity

Min Angle: 55 cd; Light intensity: 157cd

M2EA Speaker

Dimensions

68×55×65 mm

Connections

Micro USB Port

Power

Max 10W

Decibel

100 db @ 1 meter distance

Max Bitrate

16kbps

SD Cards

Supported SD Cards

Micro SD™

Supports a microSD with capacity of up to 128 GB. A UHS-I Speed Grade 3 rating microSD card is required.

APP / Live View

Video Transmission System

OcuSync 2.0

Mobile App

DJI PILOT(Android Version)

Live View Quality

Remote Controller:

720p@30fps / 1080p@30fps

Max Live View Bitrate

40Mbps

Latency

120-130 ms

Required Operating System

ios 10.0 or later Android 5.0 or later

Others

Footnotes

[1] The accuracy of the temperature measurement is measured at a distance of 5m against a blackbody with an emissivity of 0.95 under ideal conditions. The actual accuracy is also affected by various environmental factors such as temperature and humidity, and needs to be corrected by post-processing software. Under ideal conditions, the temperature accuracy can reach ±2°C or ±2%, whichever is greater.

[2] Omnidirectional Obstacle Sensing includes left/right, up/down, and forward/backward obstacle sensing. Sensing for left/right directions is only available in Tripod Mode. Omnidirectional Obstacle Sensing does not fully cover the circumference of a 360-degree arc. And left and right obstacle sensing system only works in specific modes and environments. DJI warranty does not cover any loss caused by crashing when flying left or right, even when Tripod mode is activated. Please be aware of your surroundings and App notifications when operating the Mavic 2 to ensure

Friend Calegorie

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Fly Safe

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Your email address

OJI Care Refresh +

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DJI Care Pro Osmo Shield

Security and Privacy

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PHANTOM 4 PRO

VISIONARY INTELLIGENCE. ELEVATED IMAGINATION.



DJI - Introducing Phantom 4 Pro

PHANTOM 4 PRO

SPECS VIDEOS DOWNLOADS FAQ

PHANTOM 4 PRO SPECS

AIRCRAFT

Weight (Battery & Propellers Included) 1388 g Diagonal Size (Propellers Excluded) 350mm

Max Ascent Speed

Max Descent Speed

Max Tilt Angle

Max Angular Speed

Max Service Celling Above Sea Level Max Wind Speed Resistance

Max Flight Time

Operating Temperature Range Satellite Positioning Systems

Hover Accuracy Range

S-mode: 4 m/s P-mode: 3 m/s

S-mode: 45 mph (72 kph) A-mode: 36 mph (58 kph) P-mode: 31 mph (50 kph)

S-mode: 42° A-mode: 35°

P-mode: 25°

5-mode; 250°/s A-mode: 150°/s 19685 feet (6000 m)

10 m/s

Approx, 30 minutes 32° to 104°F (0° to 40°C)

GP\$/GLONASS

Vertical:

vertical: ±0.1 m (with Vision Positioning) ±0.5 m (with GPS Positioning) Horizontal: ±0.3 m (with Vision Positioning) ±1.5 m (with GPS Positioning)

GIMBAL

3-axis (pitch, roll, yaw) Phtch: -90° to +30°

Controllable Range

Pitch: 90°/s

Max Controllable Angular Speed Angular Control Accuracy

±0.02°

INFRARED SENSING SYSTEM

0.6 - 23 feet (0.2 - 7 m)

70° (Horizontal), ±10° (Ventical)

Measuring Frequency

Operating Environment

Surface with diffuse reflection material, and reflectivity > 8% (such as wall, trees, humans, etc.)

REMOTE CONTROLLER

Operating Frequency Max Transmission Distance 2,400 - 2,483 GHz and 5,725 - 5,825 GHz

FCC: 4.3 ml (7 km) CE: 2.2 ml (3.5 km)

SRRC: 2.5 mi (4 km) STATE CONTROL OF THE PARTY OF T

2.400 - 2.483 GHz (Unobstructed, free of interference)

SRRC; 3,1 mi (5 km)

VISION SYSTEM

Vision System

Forward Vision System

Backward Vision System Downward Vision System

Velocity Range

 \leq 31 mph (50 kph) at 6.6 ft (2 m) above ground

Altitude Range

0-33 feet (0-10 m) 0-33 feet (0-10 m)

Operating Range

2 - 98 feet (0.7 - 30 m)

Forward: 60°(Horizontal), ±27°(Vertical) Backward: 60°(Horizontal), ±27°(Vertical)

Downward: 70°(Front and Rear), 50°(Left and Right)

Measuring Frequency

Forward: 10 Hz Backward: 10 Hz Downward: 20 Hz

Operating Environment

Surface with clear pattern and adequate lighting (lux>15)

Operating Temperature Range

Battery

Transmitter Power (EIRP)

2.400 - 2.483 GHz

FCC: 26 dBm CE: 17 dBm SRRC: 20 dBm MIC: 17 dBm 5.725 - 5.825 GHz FCC: 28 dBm CE: 14 dBm SRRC; 20 dBm

Operating Current/Voltage 1.2 A@7.4 V

Video Output Port

GL300E: HDMI GL300F:USB

MIC:-

GL300E; Built-in display device (5.5 inch screen, 1920×1080, Mobile Device Holder

1000 cd/m², Android system, 4 GB RAM + 15 GB ROM) GL300F: Tablets and Smart phones

CAMERA

1"CMOS Effective pixels: 20M

8-1/2000s 8-1/8000s

FOV 84° 8.8 mm/24 mm (35 mm format equivalent) f/2.8-

f/11 auto focus at 1 m - «

ISO Range

100 - 3200 (Auto) 100 - 6400 (Manual) Photo: 100 - 3200 (Auto) 100-12800 (Manual)

Mechanical Shutter Speed

3:2 Aspect Ratio: 5472 × 3648

PIV Image Size

4096×2160(4096×2160 24/25/30/48/50p) 3840×2160(3840×2160 24/25/30/48/50/60p) 2720×1530(2720×1530 24/25/30/48/50/60p) 1920×1080(1920×1080 24/25/30/48/50/60/120p) 1280×720(1280×720 24/25/30/48/50/60/120p)

Still Photography Modes

Durst Shooting: 3/5/7/10/14 frames Auto Exposure Bracketing (AEB): 3/5 bracketed frames at 0.7

EV Blas Interval; 2/3/5/7/10/15/20/30/60 s

Video Recording Modes

C4K:4096×2160 24/25/30p @100Mbps 4K:3840×2160 24/25/30p @100Mbps

2.7K:2720×1530 24/25/30p @65Mbps 2.7K:2720×1530 48/50/60p @80Mbps FHD:1920×1080 24/25/30p @50Mbps FHD:1920×1080 48/50/60p @65Mbps FHD:1920×1080 120p @100Mbps HD-1280×720 24/25/30p @25Mbos HD:1280×720 48/50/60p @35Mbps HD:1280×720 120p @60Mbps

C4K;4096×2160 24/25/30/48/50/60p @100Mbps 4K;3840×2160 24/25/30/48/50/60p @100Mbps 2.7K:2720×1530 24/25/30p @80Mbps 2.7K:2720×1530 48/50/60p @100Mbps FHD:1920×1080 24/25/30p @60Mbps FHD:1920×1080 48/50/60 @80Mbps FHD:1920×1080 120p @100Mbps HD:1280×720 24/25/30p @30Mbps HD:1280×720 48/50/60p @45Mbps HD:1280×720 120p @80Mbps

100 Mbps

FAT32 (432 GB): exFAT (>32 GB) JPEG, DNG (RAW), JPEG + DNG

MP4/MOV (AVC/H.264; HEVC/H.265)

Supported SD Cards

Max Capacity: 128GB

Write speed≥15MB/s, Class 10 or UHS-1 rating required

Operating Temperature Range

32° to 104°F (0° to 40°C)

CHARGER

Voltage

Rated Power

INTELLIGENT FLIGHT BATTERY

5870 mAh

Voltage

15.2 V LiPo 45 89.2 Wh

468 g

Charging Temperature Range

Max Charging Power

41° to 104°F (5° to 40°C)

APP / LIVE VIEW

Mobile App

DJI GO 4

Live View Working Frequency

2.4 GHz ISM, 5.8 GHz ISM

Live View Quality
Latency

Phantom 4 Pro: 220 ms (depending on conditions and

mobile device)
Phantom 4 Pro 1: 160 - 180 ms

Required Operating Systems

1059,0 or later Android 4,4.0 or later

PHANTOM 4 PRO VIDEOS

Home / Products / Phantom I Pro

TUTORIALS

SHOWCASE



DJI - Phantom 4 Pro - How to Fly - Safe Flight Advice 2017-03-08



DJI - introducing Phantom 4 Pro



DJI - Phantom 4 Pro - Narrow Sensing 2017-03-08



DJI - Phantom 4 Pro - ActiveTrack 2017-03-08



DJI - Phantom 4 Pro - Hawaiian Lava 2016-11-15



DJI - Phantom 4 Pro - Sharper Vision 2016 11-15

LOAD MORE

PHANTOM 4 PRO DOWNLOADS

DOCUMENTS & MANUALS PDF ZIP m 4 Pro/Pro+ Release Notes PDF Phantom 4 Pro/Pro+ User Manual v1.4 n 4 Pro Quick Start Guide v1.0 2017-01-25 ZIP Phantom 4 Pro/Pro+ Disclaimer and Safety 2017-10-02 PDF om 4 Pra in the Box 2017-01-25 ZIP tom 4 Pro+ In the Box 2017-01-25 Phantom 4 Series Intelligent Flight Battery Safety 2017-01-25 POF D-Log Grading Guide 2017-06-08 **FIRMWARE** ZIP Phantom 4 Pro+ Remote Controller Firmware 2017-09-30

STRAIGHT-FROM-THE-PHANTOM-4-PRO

Straight-from-the-Phantom-4-Pro

SOFTWARE

Dji Assistant 2 Release Notes 2017-12-29

ZIP

PDF

DJI Assistant 2 v1.2.0 2017-12-29

ZiP

EXE

DJI Assistant 2v1.2.0 2017-12-29

DMG

How to Update Phantom 4 Pro+ Remote 2017-03-07

ZíP

PDF

APP / LIVE VIEW

of Sversion y4.1.70.

Requires IOS 9.0 or later, Compatible with iPhone 5s, IPhone SE, IPhone 6, IPhone 6 Plus, IPhone 6s, IPhone 6s, IPhone 6s, IPhone 7 Plus, IPad Air, IPad Air Wi-FI + Cellular, IPad mini 2 Wi-FI + Cellular, IPad Air 2 Wi-FI + Cellular, IPad mini 3 Wi-FI + Cellular, IPad mini 3 Wi-FI + Cellular, IPad mini 4 and IPad mini 4 Wi-FI + Cellular, IPad mini 5 Wi-FI + Cellular, IPad mini 5 Wi-FI + Cellular, IPad mini 6 Wi-FI + Cellular, IPad mini 7 Wi-FI + Cellular, IPad mini 8 Wi-FI + Cellular, IPad mini 8 Wi-FI + Cellular, IPad mini 8 Wi-FI + Cellular, IPad mini 9 Wi-FI + Cellular, IPad

Android version 4.4.0 or later. Compatible with Samsung S8, Samsung 57 edge, Samsung 57, Samsung 56, Samsung 55, Samsung NOTE4, Samsung NOTE5, Samsung tabs 70Sc, Ascend Mate 9, Ascend Mate 7, Huawel Honor 8, Huawel P8 Max, Vivo X7, Xiaomi 5, Google Nexus 59, Nexus 9, Google Nexus 71

*Support for additional devices available as testing and development continues.



PHANTOM 4 PRO FAQ

/ Products / Phantom J Pro / FAQ

PRODUCT

1. What are the main differences between the Phantom 4 and Phantom 4 Pro?

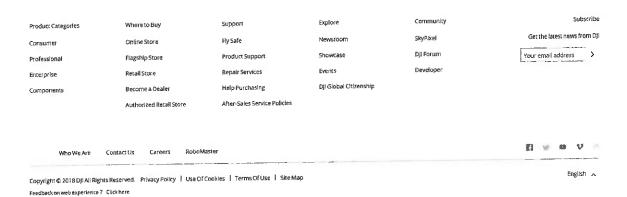
2. What, if any, are the main differences between the Phantom 4 Pro and Phantom 4 Pro Obsidian?

3, Which Micro SD cards are supported?

4.Does the Phantom 4 Pro Obsidian Come with similar booking matte grey accessories?	S4
CAMERA 1. What is new about the Phantom 4 Pro's camera?	>
Z.What advantages does the Phantom 4 Pro have for shooting video?	,
3. What is the resolution and format of the photos captured while recording video?	>
4. What is the advantage using the new H. 265 video format?	•
5. What's the benefit of having a medianical shutter?	*
6.Does the Phantom 4 Pro support focus?	,
2. What are the main features of the Phantom 4 Pro camera lens?	,
OBSTACLE SENSING SYSTEM 1.When do the Infrared sensing system work during flight?	,
2. How do the infrared sensing system work?	,
3. What improvements have been made to the Phantom 4 Pro's obstacle sensing system?	,
4.1s there any difference between the front and rear obstacle sensing systems?	,
REMOTE CONTROLLER	>
1. Are the Phantom 4 and Phantom 4 Pro remote controllers compatible with each other?	,
2,What's new in the Phantom 4 Pro remote controller?	3
3. Can I detach the integrated display from the Phantom 4 Pro * remote controller?	,
4, Can I connect an iOS device or Android device to the Phantom 4 Pro * remote controller to use DJI GO 4?	,
5. Does the Phantom 4 Pro * remote controller have a built-in loudspeaker and microphone?	,
6. What is the resolution of the Phantom 4 Pro * remote controller display?	i
7. What apps are preloaded on the Phantom 4 Pro 1 screen remote controller display?	,
8.What operating system does the Phantom 4 Pro * remote controller display use?	,
9. Is the remote controller's screen display's brightness adjusted automatically or manually?	,
10. Can I download other apps onto the Phantom 4 Pro * remote controller display?	>
11 Does the Phantom 4 Pro 1 remote controller support Wi-Fi and Bluetooth connectivity?	y

INTELLIGENT FUNCTIONS	
1.What new Intelligent Flight Modes are on the Phantom 4 Pro?	,
2.How is Phantom 4 Pro's Smart Return Home improved?	2
3.How to use Narrow Sensing?	•
PROPULSION SYSTEM	
1.Can use Phantom 4 propellers on the Phantom 4 Pro?	
2.How is Phantom 4 Pro's propulsion system optimized?	•
VIDEO TRANSMISSION SYSTEM	
1.What is difference between Phantom 4 and Phantom 4 Pro Lightbridge systems?	
BATTERIES AND BATTERY CHARGER	
1.Are the Phantom 4 Pro batteries and battery charger compatible with the Phantom 4?	
2. What is the capacity of the Phantom 4 Pro-battery? How much has the flight time been extended compared to the Phantom 4?	:
FIRMWARE UPGRADE	
1. During upgrading, if the level of flight battery or controller battery drops below 50%, will the upgrading process fail?	
2. What if battery firmware is not consistent with the upgraded aircraft?	

BUY PHANTOM 4 PRO VISIONARY INTELLIGENCE, ELEVATED IMAGINATION.







OC VAPOR AEROSOL GRENADE

The Defense Technology® OC Vapor Aerosol Grenade delivers a very high concentration of Oleoresin Capsicum (OC) in a powerful mist. This inflames the mucous membranes and exposed skin, resulting in an intense burning sensation. Inhalation of the OC Vapor produces an immediate respiratory effect, which resolves within minutes when the subject is removed from the affected area to fresh air. Minimal decontamination of personnel or material is required after deployment. The OC Vapor Aerosol Grenade is ideal for cell extractions or barricade situations where the use of pyrotechnic, powder or liquid devices is not practical or desired.

FEATURES

- Delivers a very high concentration of OC in a powerful mist
- Immediate incapacitating effects
- Minimal decontamination
- Non-flammable
- · For indoor use

WARNING: This product can expose you to chemicals including Lead Salts and Hexavalent Chromium, which are known to the State of California to cause cancer, and Lead Salts, which are known to the State of Califonia to cause birth defects or other reproductive harm. For more information go to http://www.P65Warnings.ca.gov.





Pistols

Submachine Guns

Assault Rifles

Machine Guns

Precision Rifles

40 mm Systems



Overview

Technical Data

Accessories

MP5 | Technical Data

MP5A3 - CAL. 9 MM X 19

General

Calibre
Operating principle

Magazine capacity

Modes of fire

Rate of fire

Sights 1 1

Buttstock i

Dimensions

Length min/max.

Width

Height 1

Barrel length

Sight radius

Weight

Weapon i

Magazine i

MP5A4 - CAL. 9 MM X 19

General

Calibre

9 mm x 19

Delayed roller locked bolt

15/30 rounds 0-1-D

approx, 800/min

D

R

approx. 550/690 mm

approx. 67.0 mm

approx, 230.0 mm

approx. 225 mm

approx. 340,0 mm

арргох. 3,100 д

approx. 120/170 g

9 mm x 19

MP5

MP5K

MP5SD

Submachine Guns

MP7A1
UMP
MP5

Modes of fire	0-1-3-D
Rate of fire	approx, 800/min
Sights 5 5	D
Buttstock î	FX
Dimensions	
Length min./max.	approx. 675 mm
Width	approx, 67.0 mm
Height ii	approx. 230,0 mm
Barrel length	approx. 225 mm
Sight radius	approx. 340.0 mm
Welght	
Weapon 1	approx. 2,895 g
Magazine E	арргох. 120/170 g

MP5A5 -- CAL, 9 MM X 19

General

9 mm x 19 Calibre Delayed roller locked bolt Operating principle 15/30 rounds Magazine capacity 0-1-3-D Modes of fire approx. 800/min Rate of fire D Sights 1 R Buttstock i

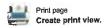
Dimensions Length min./max.

approx. 550/690 mm approx. 67.0 mm Width approx. 230.0 mm Height 💈 approx. 225 mm Barrel length

Sight radius

Weight арргох. 3,100 g Weapon i approx, 120/170 g Magazine i

Subject to modification



to top 🍦

HECKLER & KOCH Group HECKLER & KOCH GmbH Heckler & Koch-Str. 1 | 78727 Oberndorf a.N. Tel +49 (0)7423 79-0 | Fax +49 (0)7423 79-2350 hkinfoboard@heckler-koch-de.com Heckler & Koch Defense Inc. NSAF Ltd. HECKLER & KOCH France SAS

approx. 340.0 mm

Quicklinks

Documents Annual General Meeting

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Heckler & Koch Onlineshop

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OK





ARMORED FORD TRANSIT

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www.interarmored.com



Engine	3.5L Petrol 3.7L Petrol 3.2L Diesel
Transmission	6-speed auto
Powertrain	185-310 HP 260-400 lb-ft
Length	264"
Width	81"
Height	108"
Wheelbase	148"
Interior Vol	550 cubic ft
Seating	Up to 12

Features

- Fully armored up to NIJ Level III (7.62 x 51, .308)
- Full 360° door overlaps with bullet catchers
- Ease of entry/exit
- Covert appearance
- 360° view camera package
- Automatic door opening system
- Customized seating configurations
- Grab rail system
- Removable side steps
- Additional equipment available

Armored Ford Transit Tactical Van

International Armored Group's armored Ford Transit van offers the most interior volume in its class and has more interior room than many of the larger style SWAT vehicles. The interior configuration can accommodate various set-ups including a built-in command center that allows the vehicle to link to other departmental assets and provide live video feeds.

With many departments looking for a discrete approach to an armored vehicle, the armored Ford Transit van provides departments with safety and the payload capacity they need for personnel and equipment, as well as, the space required to effectively perform their jobs.









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