

DH-MPT230

Dahua Body Camera



Series Overview

With its ergonomic design, the Body Camera is both easy to carry and convenient to use. By just the press of a button, it can take pictures, and record videos and audios while an event is occurring, and directly upload recording files to the Data Collection Station or platform. Through the 4G network, it can also cooperate with the platform to perform functions such as live video, group talk and alarm event handling.

Functions

Wide-angle View

With its 146° ultra-wide-angle lens, the device offers a broader range for capturing images.

OSD Information

The OSD displays the time, user, device, task and GPS information. Two pieces of OSD information can be customized.

Capture the Truth in Any Situation

With a simple press of a button, the device effortlessly records videos and audios, and captures images to preserve crucial information of any given event.

Interaction with the Control Center

When working with the Dahua platform, the device can send alarm and GPS information and perform PTT voice talk through one button, making it convenient for officers to communicate with their headquarters in real time.

- Comes with an 8-core 2.0 GHz high-performance processor and the Android 11.0 system.
- Built-in 64 GB internal storage and supports expanding storage to 256 GB.
- 2.4-inch capacitive touchscreen
- Supports dual streaming and H.265/H.264 video compression.
- Video resolution up to 2688 × 1512 and image resolution up to 49 MP (9408 × 5292).
- Includes an LED light and IR light for clearer videos and images in dark locations.
- The IR light can be automatically or manually switched on, making outlines within 10 meters clearly visible.
- Advanced EIS algorithms that allow the device to take clear and stable images when it is in motion.
- Advanced AES-256 encryption technology for video recording.
- Supports self-adaptive network streaming, and adjusting the stream according to the network conditions to ensure smooth video preview.
- Offers AI functions such as face detection and license plate recognition.
- Supports 2G, 3G and 4G cellular networks, Wi-Fi, Bluetooth and using GPS and GLONASS positioning.
- Supports the automatic calibration of the time through the platform, satellite, or cellular network.
- It is IP68 rated, and received rigorous testing with four 2-meter drop tests.

Emergency Handling

In the event of an emergency, pressing the SOS button will promptly send alarms to the platform. The emergency can also be conveniently reported on directly from the scene using the audio talk function. After the emergency is received, the platform will swiftly dispatch necessary personnel to the GPS location displayed on the map, prioritizing the safety of individuals on-site.

Technical Specification	
System	
Operating System	Android 11.0
RAM	4 GB
Storage Capacity	64 GB
Screen	
Screen Size	2.4"
Brightness	450 cd/m²
Contrast	800:1
Resolution	240 (H) × 320 (V)
Screen Type	IPS
Touchscreen Type	Capacitive touchscreen
Camera	
Max. Aperture	Rear camera: F2.0 Front camera: F2.2
Field of View	Rear camera: 2.45 mm Front camera: 2.23 mm: Rear camera: H: 125°; D: 146° Front camera: H: 80°; D: 82°
Focal Length	Rear camera: 2.45 mm Front camera: 2.23 mm
Focus Control	Rear camera: Fixed focal Front camera: Fixed focal
Image Stabilization	Electronic Image Stabilization (EIS)
Audio/Video	
Video Compression	H.265;H.264
Video Format	DAV;MP4
Video Resolution/Frame Rate	Rear camera: 2688 × 1512@15 fps; 2560 × 1440@30/25/20/15 fps; 1920 × 1080@30/25/20/15 fps; 1280 × 720@30/25/20/15 fps; 864 × 480@30/25/20/15 fps Front camera: 1080 × 1920@30/25/20/15 fps; 720 × 1280@30/25/20/15 fps; 480 × 864@30/25/20/15 fps
Video Bit Rate	Main stream: 2688 × 1512@15 fps: 5M/7M/9Mbps 2560 × 1440@30 fps: 4M/6M/8Mbps 1920 × 1080@30 fps: 2M/4M (default)/6Mbps 1280 × 720@30 fps: 1M/2M/3Mbps 864 × 480@30 fps: 512K/1M/2Mbps Stream acquisition: 1920 × 1080@30/25/20/15 fps: 1.5M/2M/4Mbps 1280 × 720@30/25/20/15 fps: 1.5M/2M/3Mbps 864 × 480@30/25/20/15 fps: 768K/1M/2Mbps
Image Resolution	Supports up to 49 MP (9408 × 5292), and 34 MP, 16 MP, 4 MP and 0.4 MP can be set.
Image Encoding Format	JPG
Continuous Shots	Supports taking 2, 3, 5, and 10 continuous snapshots.
Video Packaging Time	Can be set as 5, 10, 20 or 30 minutes.
Pre-Record/Post-Record	Pre-recording time reaches 120 sec and post-recording reaches 600 sec.
Distortion Correction	Yes

IR Switching Mode	Supports the manual and auto modes (it is manual by default).
Max. IR Distance	Sees faces up to 5 m away and outlines up to 10 m away.
Day/Night Illumination	When the lighting falls below 1.8 lux, the device switches to B/W mode. When the lighting is above 12 lux, the device switches to Color mode.
Min. Illumination	0.0001 lux (B/W)
White Balance	Auto
LED Flashing Light	1
Audio Compression	G711a
Audio Sampling	8 kHz, 16 bit
Audio Format	WAV; DAV
Key Mark	Yes

Wireless Parameters

Wireless Network Frequency Band	GSM:850/900/1800/1900; WCDMA:850/900/1900/2100; EVDO: 800; TDD-LTE:B38/B39/B40/B41; FDD-LTE:B1/B2/B3/B4/B5/B7/B8/B20/B28
Wi-Fi	2.4 GHz/5 GHz, 802.11 a/b/g/n/ac
Bluetooth	Bluetooth 5.0
NFC	13.56 MHz; NFC Forum Type 1/2/3/4/5 tags; ISO/EC 15693
Positioning	GPS; GLONASS; Galileo Positioning accuracy: In outdoor locations with few obstacles, the accuracy has a margin of error of 15 meters.

Function

Security	Configuration encryption;Account lockout;Security logs;IP/MAC filtering;AES256 video encryption;AES256 file encryption
Voice Prompt	Supports voice broadcast prompts.
OSD Overlay	Time; user ID; device ID; latitude and longitude; task ID; custom 1; custom 2
Network Protocol	Private protocol (auto registration); RTSP; FTP
Shortcut Function	With the press of a button, it records videos and audios, takes pictures, turns on IR, sends alarm, performs PTT voice talk and flags files.
Face Detection	Yes
Face Comparison	Yes
ANPR	Yes

Port

USB	1 × Type-C USB 2.0 port
External Port	6-Pin metal port (connects through the Pogo Pin connector)

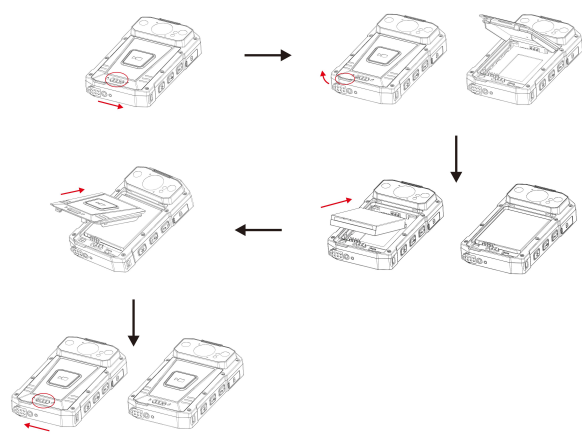
General

SIM Card Slot	2 × Nano SIM card slot
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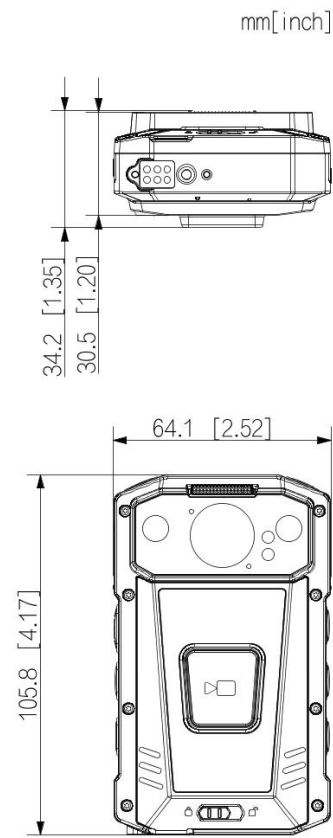
Microphone	2
Speaker	1, 1.5 W power
Button	Power on/off; flag files; record videos; take pictures; PTT voice talk; record audios; SOS; Fn custom; turn on/off IR
Indicator Light	1, 3-Color light indicates status and charging status
Sensor	Gyroscope; gravity acceleration sensor; photosensitive sensor; geomagnetic sensor
Battery Capacity	Large battery: 3200 mAh (4.35 V) Small battery: 50 mAh (4.35 V); it supports uninterrupted battery replacement for up to 5 minutes.
Battery Detachability	Yes
Charging	5 VDC, 2 A
Operating Time	Lasts up to 11.5 hours (1080p) or 12 hours (720p) of video recording (when in airplane mode and all the lights and screen are turned off)
Standby Time	168 hours
Charging Time	3 hours
Protection	The bare machine is IP68 rated, and received rigorous testing with four 2-meter drop tests.
Operating Temperature	−20 °C to +55 °C (−4 °F to +131 °F)
Operating Humidity	<95% (RH), non-condensing
Net Weight	183 g (0.40 lb) (battery included, without back clip)
Gross Weight	560 g (1.23 lb) (package included)
Product Dimensions	106 mm × 64 mm × 34 mm (4.17" × 2.52" × 1.34") (L × W × H)
Packaging Dimensions	167 mm × 138 mm × 64 mm (6.57" × 5.43" × 2.52") (L × W × H)
Accessory	Type-C USB charging cable; 5 V 2 A power adapter; clip
Certifications	CE

Ordering Information		
Type	Model	Description
Body Camera	DH-MPT230	Dahua Body Camera

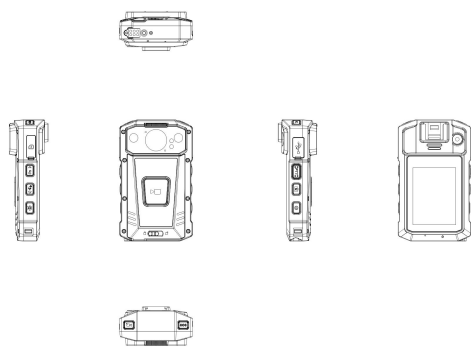
Installation



Dimensions (mm[inch])



Panels



Brochure



Radio de dos vías WAVE PTX™ TLK 100

Implementación rápida y confiable.
Alcance nacional.*

Implementación
rápida y confiable.



Combinando la simplicidad de la comunicación de radio de dos vías con la amplia cobertura de una red celular de alcance nacional*, el radio de dos vías WAVE PTX™ TLK 100 conecta a su equipo rápidamente.





Mantenga a sus colaboradores comunicados con audio fuerte y claro, ubicación y conectividad Wi-Fi. Maximice la eficiencia de sus operaciones con un único botón de comunicación y batería de larga duración.

Ya no tiene que desplegar o mantener costosas infraestructuras de radio. Su equipo estará listo para operar rápidamente en cualquier parte con cobertura nacional*. Además, puede utilizar su radio de dos vías WAVE PTX™ TLK 100 con los smartphones y sistemas de radio de dos vías con los que ya cuenta. No requiere costosas licencias de espectro ni programación manual.

Además, puede ir ampliando su servicio según las necesidades de su empresa.



Fácil de usar y administrar



Diseñado para el trabajo



Cobertura nacional*



*La cobertura puede variar

Características y beneficios



Fácil de usar y administrar

Comuníquese al instante y administre grupos de conversación y suscripciones en tiempo real. Maximice la cobertura, las conexiones y la productividad sin necesidad de ampliar la infraestructura.

Administración de grupos de comunicación

Administre los grupos de comunicación de manera remota y en tiempo real. Olvídense de los cables de programación de radio. Actualice toda una flota de manera inalámbrica, sin siquiera tocar un dispositivo.

Comuníquese entre plataformas diferentes

Optimice el trabajo colaborativo, sin importar el dispositivo que utilice su equipo. Sea que se trate de una comunicación de voz entre personal de servicio al cliente y trabajadores de una obra en construcción, o entre personal de ventas y de almacén, la aplicación WAVE PTX™ permite establecer comunicación instantánea entre radios y smartphones de operadores diferentes.

Capacidad de integración de radio

Conéctese con los sistemas MOTOTRBO™ con los que ya cuenta y extienda el alcance de sus sistemas troncalizados a una red de cobertura nacional* para maximizar el retorno de su inversión.

Un único botón, múltiples equipos

Colabore al ritmo de los negocios con WAVE PTX™. Contáctese con múltiples equipos simultáneamente, y comuníquese de manera segura con solo un botón.



Diseñado para el trabajo

Obtenga todas las ventajas de WAVE PTX™ en un radio de dos vías resistente. Especialmente diseñado para empresas, todas las funciones y características del radio de dos vías WAVE PTX™ TLK 100 son inteligentes y efectivas. Incorpore accesorios que faciliten su trabajo y agregue valor a dispositivos adquiridos previamente con accesorios de radios portátiles MOTOTRBO SL500 compatibles.

Diseño delgado y liviano

Desplácese sin límites de cobertura, del campo a la oficina, con un solo dispositivo optimizado y práctico para utilizarlo con una sola mano. Comuníquese con uno de sus compañeros o con todo el equipo utilizando el botón PTT (pulsar para hablar). Escuche las conversaciones con claridad en entornos ruidosos con audio fuerte y claro.

Resistente y construido para durar

Ya no vuelva a preocuparse por la lluvia, el polvo, las temperaturas extremas o, incluso, por caídas ocasionales. El radio de dos vías WAVE PTX™ TLK 100 está pensado para entornos de trabajo hostiles.

Ubicación y seguimiento

Administre fácilmente su fuerza de trabajo utilizando GPS para optimizar la seguridad, verificar el estado del proyecto, buscar recorridos más rápidos, modificar tareas y ubicar a los miembros del equipo donde más los necesite.



*La cobertura puede variar.

Características y beneficios



Cobertura nacional*

Conectividad Wi-Fi

Permanezca en contacto en instalaciones industriales y otros entornos en los que la cobertura celular podría verse limitada, enviando y recibiendo llamadas WAVE PTX™ sobre redes Wi-Fi compatibles.

Compatibilidad con accesorios SL500

Aproveche lo que ya invirtió con audífonos, auriculares, baterías, bases de carga y demás accesorios Motorola SL500 para su radio de dos vías WAVE PTX™ TLK 100.

Batería de larga duración

Opere con la tranquilidad de saber que siempre contará con la potencia que necesita, cuando más la necesite. Con una batería diseñada para durar 18 horas, podrá mantenerse concentrado en el proyecto en vez de preocuparse por la recarga.

Diseño sin pantalla

Maximice la productividad sin las distracciones que suelen ocasionar los mensajes de texto, el correo electrónico y otras aplicaciones, a la vez que ayuda a su equipo a mantenerse concentrado en la tarea que tiene a cargo.

Saque mayor provecho a su infraestructura de comunicación al colaborar sobre una red de cobertura nacional*. Al conectarse a los sistemas de radio móvil terrestre (LMR) y smartphones con los que ya cuenta, el radio WAVE PTX™ TLK 100 acerca las ventajas de pulsar para hablar a todos los miembros de su equipo, sin importar si se encuentran en el mismo lugar de trabajo o en cualquier otro punto del país.

Cobertura nacional* en la que puede confiar

Comuníquese al instante con los miembros de su equipo en cualquier lugar del país con sólo presionar un botón. Interconecte múltiples áreas de trabajo, instalaciones y operaciones sin necesidad de implementar o mantener una infraestructura compleja. Conéctese con los miembros de su equipo sin problemas en cualquier red, LMR, smartphones u otros dispositivos que utilicen.

Velocidad de red

Logre potenciar su productividad con una red de cobertura nacional* que le permite establecer llamadas y comunicaciones WAVE PTX™ rápidamente.



*La cobertura puede variar.



Ordene, configure y active el servicio



Servicios Essential para radios de dos vías WAVE PTX™

Soporte siempre que lo necesite

Los Servicios Essential le brindan acceso a equipos de soporte técnico para la detección y solución de problemas y reparación de hardware a fin de restablecer correctamente sus radios de dos vías.

Cuente con un servicio de reparación a cargo de expertos

Repuestos, equipos de diagnóstico y herramientas de reparación de vanguardia garantizan que sus radios de dos vías estarán protegidos contra el deterioro por uso y desgaste normal y que volverán a estar en servicio rápidamente. Todos los radios de dos vías serán reprogramados según especificaciones de fábrica y actualizados con el último firmware. Nuestros centros de servicio técnico cuentan con certificación ISO9001.

Acceda a soporte técnico

Nuestros expertos están disponibles de lunes a viernes, de 8 a 17 horas (hora local), para ayudarlo a identificar y resolver cualquier inconveniente que pudiera tener con cualquiera de sus radios de dos vías.

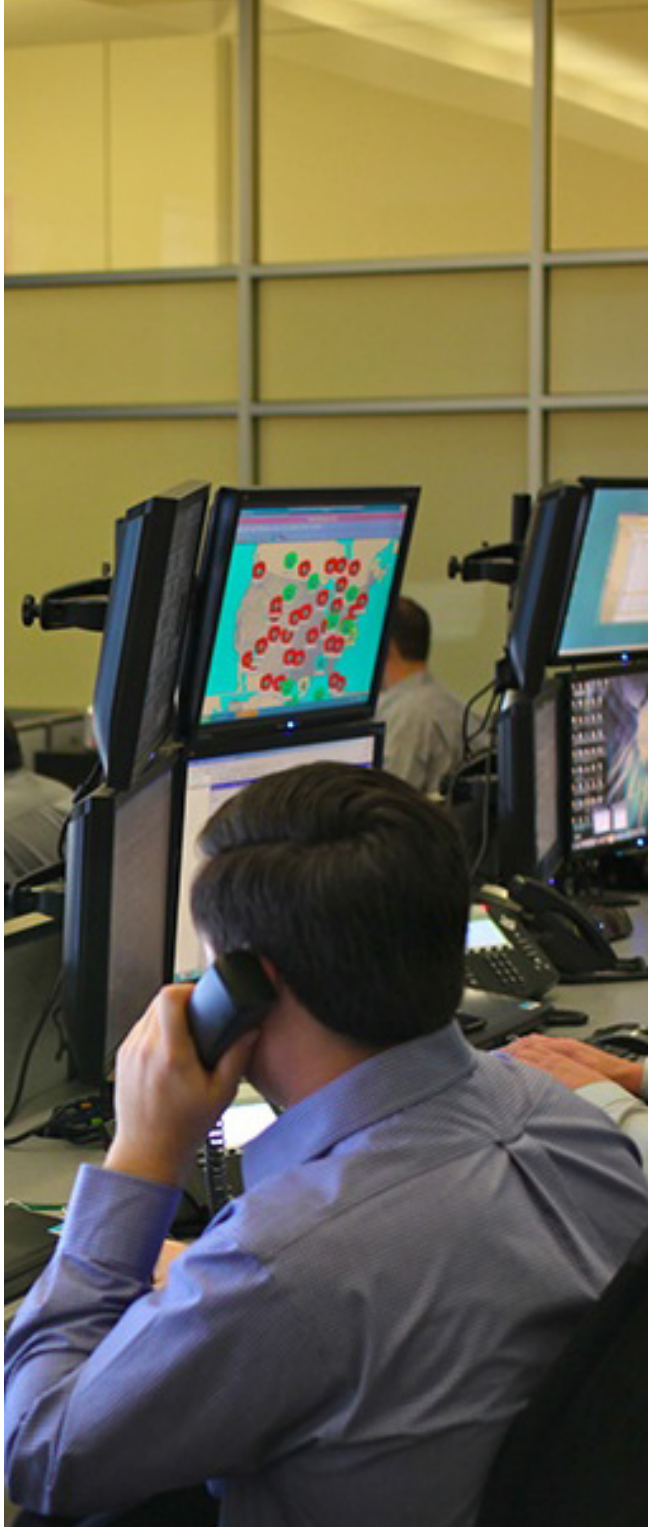
Actualizaciones de software y garantía extendida

Asegúrese de contar siempre con un máximo nivel de seguridad, desempeño y funcionalidad mejorada para sus radios de dos vías con acceso a las últimas actualizaciones de software.

Essential Service para radios de dos vías WAVE PTX™ TLK 100 le ofrece una solución lista para usar que le garantiza una experiencia de uso sin complicaciones.

Accesorios

Dé rienda suelta al potencial de su radio de dos vías WAVE PTX™ TLK 100 con accesorios compatibles con niveles excepcionales de durabilidad, confiabilidad e inteligencia.



Antenas



Baterías



Cargadores

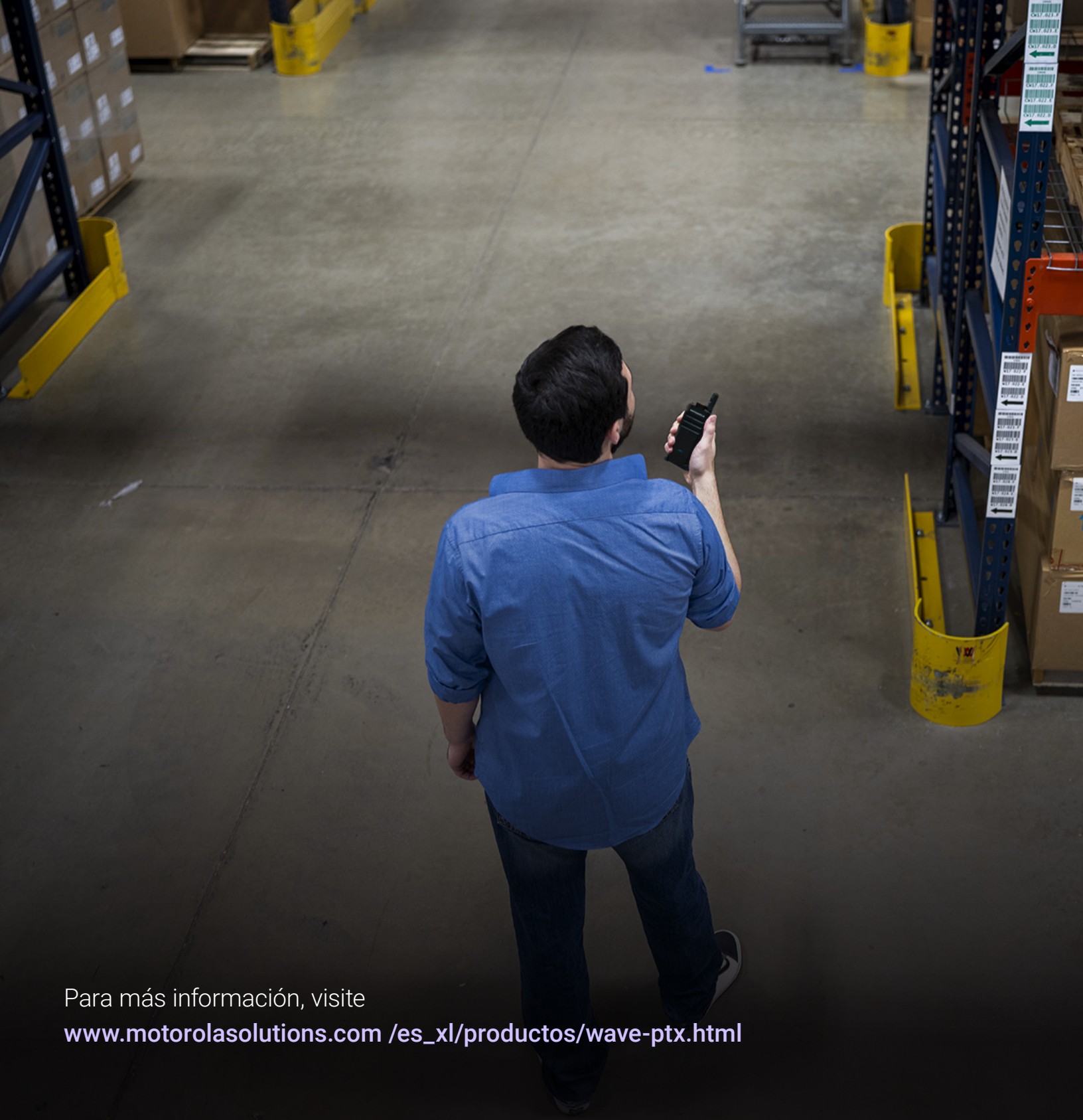


Soluciones para
transporte



Soluciones para
vehículos





Para más información, visite

[www.motorolasolutions.com /es_xl/productos/wave-ptx.html](http://www.motorolasolutions.com/es_xl/productos/wave-ptx.html)



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Future-H Series

All-In-One Energy Storage Solution

- Integrated inverter and lithium battery system
- Compact size and easy installation
- Flexible expansion capacity up to 18kW/33kWh
- Maximum PV input voltage up to 500VDC
- Excellent safety of LiFePO4 battery
- Grid and Generator dual AC input with integrated transfer switch



P O W E R
- I N G
T O M O R R O W

GROWATT

www.ginverter.com

Inverter Model	SIM 6000 ES Plus-H		
Inverter output			
Rated power	6000VA/6000W		
Parallel capability	Yes, 3 units maximum (single or three phase)		
AC voltage regulation (battery mode)	230VAC ± 5% @ 50/60Hz		
Surge power	12000VA		
Efficiency (peak)	93%		
Waveform	Pure sine wave		
Transfer time	10ms typical, 20ms Max		
Solar charger			
Maximum PV array power	8000W		
MPPT range @ operating voltage	120VDC ~ 450VDC		
Number of independent MPP trackers/ strings per MPP tracker	2/1		
Max. input current per MPP tracker	16A		
Maximum PV array open circuit voltage	500VDC		
Maximum solar charge current	100A		
AC charger			
Charge current	80A		
AC input voltage	230VAC		
Selectable voltage range	170-280 VAC (For personal computers) ; 90-280 VAC (For home appliances)		
Frequency range	50Hz/60Hz (Auto sensing)		
Physical			
Number of Inverter modules	1	2	3
System capacity	6000VA/6000W	12000VA/12000W	18000VA/18000W
Protection degree	IP20		
Dimension (W/H/D)	630/150/440mm	630/300/440mm	630/450/440mm
Net weight	16kg	32kg	48kg
Operating environment			
Humidity	5% to 95% Relative humidity(Non-condensing)		
Altitude	<2000m		
Operating temperature	0°C - 55°C		
Storage temperature	-15°C - 60°C		
Battery Model	ABM 5.5L-A1-H		
Nominal Voltage	51.2V		
Rated Capacity	5.5kWh		
Usable Capacity	5.12kWh		
Operating Voltage	40 ~ 58.4V		
Max. Discharging Current	100A		
Peak Discharging Current	120A/3S		
Max Charging Current	100A		
General data			
Dimension (W/D/H)	630/440/150mm		
Weight	48Kg		
IP Protection	IP20		
Charge Temperature	0°C~+55°C		
Discharge Temperature	-20°C~+55°C		
Features			
DOD	93%		
Cycle life	>6000 (25°C, 0.2C,)		
Parallel Connection	Max.6 packs		
Communication Port	CAN/RS485		
Warranty	5 Years		
Inverter : CE, ROHS;Battery : CE(EMC) , UN38.3, MSDS, ROHS			

DH-IPC-HFW5442E-ZE

4MP IR Vari-focal Bullet WizMind Network Camera



Launched by Dahua Technology, Dahua WizMind is a full portfolio of solutions composed of project-oriented products including IPC, IVSS, NVR, PTZ, XVR, Thermal and software platform which adopts industry-leading deep learning algorithms. Focusing on customer's requirements, WizMind provides precise, reliable and comprehensive AI solutions for verticals.

Series Overview

Driven by deep learning algorithms, Dahua WizMind S Series network camera offers a variety of intelligent functions that greatly improve the accuracy of audio and video analysis. It supports video metadata, smart sound detection, face detection, perimeter protection, people counting and more. The camera also adopts advanced image processing AI ISP technology and has the Deeplight night vision effect. The camera is dustproof, waterproof and vandal-proof, and is certified as IP67 and IK10 (the type of protection varies depending on the model).

Functions

AI-ISP

With AI ISP technology, the camera is able to easily adapt to scenes, producing high quality images that reveal the fine details of targets.

Self-Learning

Empowered by deep learning technology, the device recognizes different types of targets and their statuses through learning and analyzing target features to detect targets and filter out false alarms.

Perimeter Protection

With deep learning algorithm, Dahua Perimeter Protection technology can recognize human and vehicle accurately. In restricted area (such as pedestrian area and vehicle area), the false alarms of intelligent detection based on target type (such as tripwire, intrusion, fast moving, parking detection, loitering detection and gathering detection) are largely reduced.

AcuPick

This industry-leading search technology effectively utilizes both front-end and back-end intelligence to help with searching through massive video data to quickly and conveniently locate targets with greater precision.

*** The parameters and datasheets below can only be applied to 5442-Z-S3 series.**

- 4-MP 1/1.8" CMOS image sensor, low luminance, and high definition image.
- Outputs max. 4MP (2688×1520) @25/30 fps.
- Built-in IR LED, and the max. illumination distance is 60 m.
- ROI, SVC, SMART H.264+/H.265+, AI H.264/H.265, encoding after filter, flexible coding, applicable to various bandwidth and storage environments.
- Rotation mode, WDR, 3D NR, HLC, BLC, digital watermarking, applicable to various monitoring scenes.
- With deep learning algorithm, it supports: video metadata, smart sound detection, IVS, face detection, smart object detection, and people counting, etc.
- Alarm: 2 in, 1 out; audio: 1 in, 1 out; supports max. 1 TB Micro SD card, built-in MIC.
- 12 VDC/PoE power supply; ePoE.
- IP67 and IK10 protection.
- SMD 3.0.



People Counting

With deep learning algorithm, Dahua People Counting technology can track and process moving human body targets to realize the accurate statistics of enter No., leave No., and In Area No. Working with management platform, it outputs reports to meet your requirements.

Video Metadata

With deep learning algorithm, Dahua Video Metadata technology can detect, track, capture vehicle, non-motor vehicle and people, and select the best images, and extract attributes.

Protection (IP67, IK10, Wide Voltage)

IP67: The camera passes a series of strict test on dust and soak. It has dust-proof function, and the enclosure can work normally after soaking in 1 m deep water for 30 minutes.

IK10: The enclosure can stand the punch more than 5 times from a 5 kg hammer falling from a height of 40 cm (Impact energy is 20J).

Wide voltage: The camera allows $\pm 30\%$ (for some power supplies) input voltage tolerance (wide voltage range), and it is widely applied to outdoor environment with instable voltage.

Technical Specification

Camera

Image Sensor	1/1.8" CMOS
Max. Resolution	2688 (H) × 1520 (V)
ROM	4 GB
RAM	1 GB
Scanning System	Progressive
Electronic Shutter Speed	Auto/Manual 1/3 s–1/100,000 s
Min. Illumination	0.0007 lux@F1.8 (Color, 30 IRE) 0.0004 lux@F1.8 (B/W, 30 IRE) 0 lux (Illuminator on)
S/N Ratio	>56 dB
Illumination Distance	Up to 60 m (196.85 ft) (IR)
Illuminator On/Off Control	Auto;Zoomprio;Manual
Illuminator Number	4 (IR LED)
Angle Adjustment	Pan: 0°–360° Tilt: 0°–90° Rotation: 0°–360°

Lens

Lens Type	Motorized vari-focal				
Lens Mount	φ14				
Focal Length	2.7 mm–12 mm				
Max. Aperture	F1.8				
Field of View	H: 115°–47°; V: 62°–27°; D: 137°–54°				
Iris Control	Auto				
Close Focus Distance	1.5 m (4.92 ft)				
DORI Distance	Lens	Detect	Observe	Recognize	Identify
	W	57.5 m (188.65 ft)	23.0 m (75.46 ft)	11.5 m (37.73 ft)	5.8 m (19.03 ft)
	T	130.8 m (429.13 ft)	52.3 m (171.59 ft)	26.2 m (85.96 ft)	13.1 m (42.98 ft)
	*DORI (Detect, Observe, Recognize, Identify) is a standard system (EN-62676-4) for defining the ability of a person viewing the video to distinguish persons or objects within a covered area. The numbers in this table do not reflect intelligent function distances. For intelligent function distances, refer to installation and commissioning manual/project design tool.				

Intelligence

IVS (Perimeter Protection)	Intrusion, tripwire, fast moving (the three functions support the classification and accurate detection of vehicle, animal and human); loitering detection, people gathering, parking detection. Supports long- distance mode. Supports self-learning, it filters out false alarms.
Smart Object Detection	Smart abandoned object; smart missing object
SMD	SMD 3.0
AcuPick	Uses deep learning algorithms and works with back-end devices to accurately match targets, such as people, animal, and motor vehicles, and search through live and recorded videos to quickly locate targets.
AI SSA	Yes

Face Detection	Face detection; track; snapshot; snapshot optimization; optimal face snapshot upload; face enhancement; face exposure; face attributes extraction including 6 attributes and 8 expressions; face snapshot set as face, one-inch photo or custom; snapshot strategies (real-time snapshot, quality priority and optimization snapshot); face angle filter; optimization time setting
People Counting	Tripwire people counting, generating and exporting report (day/week/month/year); people counting in area and queue management, generating and exporting report (day/week/month); 4 rules can be set for tripwire, people counting in area and queue management.
Heat Map	Yes
Video Metadata	Motor vehicle, non-motor vehicle, face, human body detection; track; snapshot; snapshot optimization; optimal face snapshot upload. Motor vehicle attributes: vehicle type, vehicle color, vehicle logo and other attributes : seatbelt, smoking, calling. Non-motor vehicle attributes: type, color, number of people, top type and color, hat. Human body attributes: gender, top/bottom type and color, bag, hat and umbrella. Face attributes: gender, age, expressions, glasses, face mask and beard.
Smart Search	Work together with Smart NVR to perform refine intelligent search, event extraction and merging to event videos
Smart Sound Detection	Yes

Video

Video Compression	H.265; H.264; H.264H; H.264B; MJPEG (Only supported by the sub stream)
Smart Codec	Smart H.265+; Smart H.264+
AI Coding	AI H.265; AI H.264
Video Frame Rate	Main stream: 2688 × 1520 (1 fps–25/30 fps) /1920 × 1080 (1 fps–50/60 fps) Sub stream: D1@(1–25/30 fps) Third stream: 1080p@(1–25/30 fps) Fourth stream: 720p@(1–25/30 fps) *The values above are the max. frame rates of each stream; for multiple streams, the values will be subjected to the total encoding capacity.
Stream Capability	4 streams
Resolution	4M (2688 × 1520); 3.6M (2560 × 1440); 3M (2048 × 1536); 3M (2304 × 1296); 1080p (1920 × 1080); 1.3M (1280 × 960); 720p (1280 × 720); D1 (704 × 576/704 × 480); VGA (640 × 480); CIF (352 × 288/352 × 240)
Bit Rate Control	CBR/VBR
Video Bit Rate	H.264: 32 kbps–16384 kbps; H.265: 12 kbps–11008 kbps
Day/Night	Auto(ICR)/Color/B/W
BLC	Yes
HLC	Yes
WDR	140 dB
Scene Self-adaptation (SSA)	Yes
White Balance	Auto; natural; street lamp; outdoor; manual; regional custom
Gain Control	Auto
Noise Reduction	3D NR

Motion Detection	OFF/ON (4 areas, rectangular)
Region of Interest (Rol)	Yes (4 areas)
Image Stabilization	Electronic Image Stabilization (EIS)
Smart Illumination	Yes
Defog	Yes
Image Rotation	0°/90°/180°/270° (Support 90°/270° with 4M (2688 × 1520) resolution and lower)
Mirror	Yes
Privacy Masking	8 areas
LDC	Yes

Audio

Built-in MIC	Yes
Audio Compression	G.711a; G.711Mu; PCM; G.726; G.723

Alarm

Alarm Event	No SD card; SD card full; SD card error; network disconnection; IP conflict; illegal access; motion detection; video tampering; tripwire; intrusion; fast moving; abandoned object; missing object; loitering detection; people gathering; parking detection; scene changing; audio detection; voltage detection; external alarm; face detection; video metadata; SMD; people counting in area; stay detection; people counting; people number error detection; queue people number alarm; queue time alarm; security exception; defocus detection
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Network

Network Port	RJ-45 (10/100 Enhancement Base-T)
SDK and API	Yes
Network Protocol	IPv4; IPv6; HTTP; TCP; UDP; ARP; RTP; RTSP; RTCP; RTMP; SMTP; FTP; SFTP; DHCP; DNS; DDNS; QoS; UPnP; NTP; Multicast; ICMP; IGMP; NFS; SAMBA; PPPoE; SNMP; P2P; Auto Register
Interoperability	ONVIF (Profile S/Profile G/Profile T/Profile M); CGI
User/Host	20 (Total bandwidth: 80 M)
Storage	FTP; SFTP; Micro SD card (support max. 1 TB); NAS
Browser	IE: IE 9 and later Chrome: Chrome 102 and later Firefox: Firefox 88 and later
Management Software	SmartPSS Lite; DSS; DMSS
Mobile Client	iOS; Android
Security	Trusted execution; Digest; Security logs; WSSE; Account lockout; Syslog; 802.1x; IP/MAC filtering; HTTPS; Trusted upgrade; Trusted boot; Generation and importing of X.509 certification

Certification

Certifications	CE-LVD: EN62368-1; CE-EMC: Electromagnetic Compatibility Directive 2014/30/EU; FCC: 47 CFR FCC Part 15, Subpart B; UL/CUL: UL62368-1 & CAN/CSA C22.2 No. 62368-1-14
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Port

Audio Input	1 channel (RCA port)
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Audio Output	1 channel (RCA port)
Alarm Input	2 channels in: wet contact, 5mA 3V–5V DC
Alarm Output	1 channel out: wet contact, 300mA 12V DC

Power

Power Supply	12 VDC/PoE (802.3af)/ePoE
Dual Power Backup	When the power adapter and PoE provide power at the same time, disconnect one of them. The device will continue to work, but will not restart.
Power Consumption	Basic: 3.7 W (12 VDC); 4.9 W (PoE) Max. (H.265+ WDR+ Intelligence on+IR on): 9.8 W (12 VDC); 12.3 W (PoE)

Environment

Operating Temperature	–30 °C to +60 °C (–22 °F to +140 °F)
Operating Humidity	≤95%
Storage Temperature	–40 °C to +60 °C (–40 °F to +140 °F)
Storage Humidity	10%–95% (RH), non-condensing
Protection	IP67; IK10

Structure

Casing Material	Metal + plastic
Product Dimensions	273.2 mm × 95.0 mm × 95.0 mm (10.76" × 3.74" × 3.74") (L × W × H)
Net Weight	1.12 kg (2.47 lb)
Gross Weight	1.66 kg (3.66 lb)

Ordering Information

Type	Model	Description
4MP Camera	DH-IPC-HFW5442E-ZE	4MP IR Vari-focal Bullet WizMind Network Camera
	IPC-HFW5442E-ZE	4MP IR Vari-focal Bullet WizMind Network Camera
Accessories (Optional)	PFA121	Water-proof Junction Box
	PFA156	Pole mount Bracket
	PFM321D	12 VDC 1 A Power Adapter
	PFM900-E	Integrated Mount Tester
	TF-P100	MicroSD Memory Card

Accessories

Optional:



PFA121
Water-proof
Junction Box



PFA156
Pole mount
Bracket



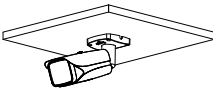
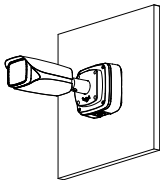
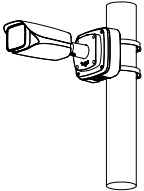
PFM321D
12 VDC 1 A Power
Adapter



PFM900-E
Integrated
Mount Tester



TF-P100
MicroSD
Memory Card

Ceiling Mount	Junction Mount	Pole Mount(Vertical)
		

Dimensions (mm[inch])

