

4GPTZ-Portable240AI 4G Dual-lens ANPR Portable Speed Dome



- Supports for dual cameras, Lens1: 1/1.8" progressive scan CMOS; Lens2: 1/1.8" CMOS.
- 36× optical zoom, 12× digital zoom.
- 3D DNR/Defog/EIS.
- Up to 100 m IR distance.
- Quick installation with the magnetic base and the tripod bracket.
- Replaceable battery for sustainable work.
- 360° endless pan and -20° to 90° (auto-flip) tilt movement range for PTZ.
- Embedded screen for status display, e.g. battery, GPS, 3G/4G, record status, storage capacity, Bluetooth, platform access, Wi-Fi, and smart algorithm mode.
- Supports accessing via IE browser and client, and remote operation.

▪ Specification

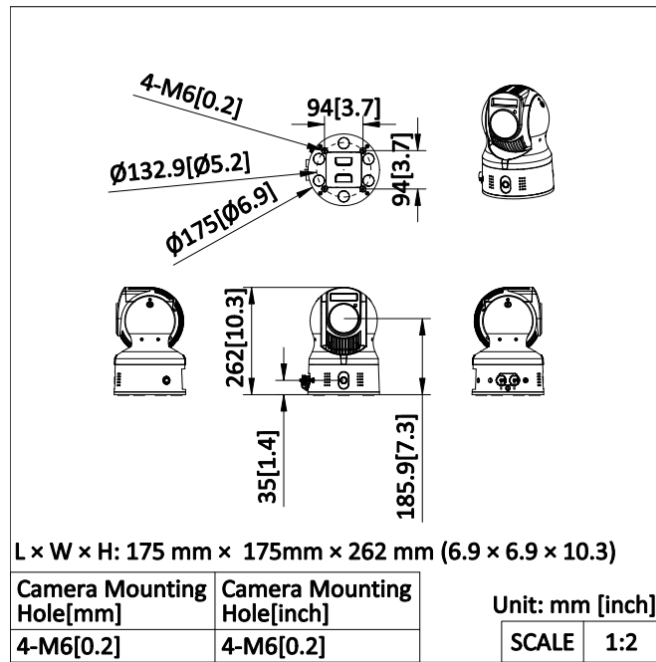
Camera	
Image Sensor	Lens 1: 1/1.8" progressive scan CMOS Lens 2: 1/1.8" progressive scan CMOS
Zoom	36× Optical, 12× Digital
Max. Resolution	3840 × 2160
Min. Illumination	Lens 1: Color: 0.005 Lux @ (F1.3, AGC ON); Black: 0.0005 Lux @ (F1.3, AGC ON) Lens 2: Color: 0.02 Lux @ (F1.7, AGC ON); Black: 0.02 Lux @ (F1.7, AGC ON)
Day & Night	Switch IR cut filter automatically
Optical Image Stabilization	Supported
Lens	
Focal Length	Lens 1: 6 to 216 mm Lens 2: 2.8 mm fixed lens
Aperture	Lens 1: F1.3-F4.6 Lens 2: F1.7
FOV	Lens 1: Horizontal FOV: 59° to 2.0°, vertical FOV: 34.2° to 1.1°, diagonal FOV: 67.1° to 2.3° Lens 2: Horizontal FOV: 102°, vertical FOV: 56°, diagonal FOV: 123°
Zoom Speed	Approx. 4.6 s (optical lens, wide-tele)
Video	
Video Compression	H.264, H.265, MJPEG
Video Format	PS
Main Stream	Lens 1: 60 Hz: 30 fps (2688 × 1520, 1920 × 1080, 1280 × 720, 720 × 576) Lens 2: 60 Hz: 30 fps (3840 × 2160, 3072 × 1728, 704 × 240, 352 × 240)
Sub Stream	Lens 1: 60 Hz: 12 fps (1920 × 1080); 30 fps (1280 × 720, 704 × 480, 704 × 240, 352 × 240) Lens 2: 60 Hz: 30 fps (1280 × 720, 704 × 240, 352 × 240)
Audio	
Audio Compression	G.711ulaw, G.711alaw, G.722.1
Audio Bit Rate	64 Kbps (G.711ulaw/G.711alaw), 16 Kbps (G.722.1)
Image	
Wide Dynamic Range (WDR)	120 dB
Image Enhancement	3D DNR, Defog, EIS
Image Format	JPEG
Screen	
Screen Type	LCD
Touchscreen	Supported
Screen Size	2.0"
Resolution	320 × 240
Storage	
RAM	2 GB
ROM	4 GB
IR	
IR Range	Up to 100 m
IR Wavelength	850 nm
Wireless Network	
Positioning Mode	GPS

Wi-Fi Frequency Band	2.412 to 2.472 GHz, 5.15 to 5.25 GHz, 5.725 to 5.875 GHz
Wi-Fi Protocol	802.11 a/b/g/n/ac
Cellular Network	Only available for models with /GLE: GSM: 850/900/1800 WCDMA: B1/B5/B8 FDD-LTE: B1/B3/B5/B7/B8/B20 TDD-LTE: B38/B40/B41
Bluetooth	BT4.0
Network	
Protocol	HTTPS, RTSP, NTP, FTP
API	ONVIF (PROFILE S, PROFILE G, PROFILE T), ISAPI, SDK, ISUP
Interface	
Indicator	1 status indicator: charging/power on/power off
Button	Power on/off
SIM Card	Available for models with '/GLE': 1 slot (fit for Micro-SIM)
Ethernet	1 RJ-45 10 M/100 M/1000 M self-adaptive Ethernet port(s)
Aviation Plug	10-Core Aviation Plug: supporting RS-232, RJ-45 and power input 9-Core Aviation Plug: supporting RS-485, LINE IN/LINE OUT, 5V output, Alarm I/O
Extended Storage	Built-in 2 memory card slots, supporting TF card, up to 256 GB for each
Event	
Smart Event	Vehicle recognition, face recognition, helmet detection, phone call, workwear detection, smoking detection, area invasion, intrusion detection (supports 4 areas)
License Plate Recognition	Supported
PTZ	
Preset	256 arming locations
Movement Range (Pan)	360° endless
Patrol Scan	8 patrols
Movement Range (Tilt)	-20° to 90° (Auto-flip)
General	
Operating Condition	-20 °C to 60 °C (-4 °F to 140 °F). Humidity 95% or less (non-condensing)
Operating System	Linux
Storage Condition	-30 °C to 70 °C (-22 °F to 158 °F). Humidity 95% or less (non-condensing)
MIC	Supported
Light Sensor	Supported
Speaker	2 Built-in speakers, Max. power consumption: 2.5 W, Max. sound pressure level: 102 dB (10 cm)
Client	Hik-Connect, HikCentral Pro, HikCentral Master
Web Browser	Plug-in required live view: IE 10+
Dimension	175 mm × 175 mm × 262 mm (6.9" × 6.9" × 10.3")
Power	12 VDC, 5.0 A, max. 60 W
Weight	4.35 kg (9.59 lb.)
Installation Method	Wall-Mounted, Tripod-Mounted, Movable Bracket
Packing List	1 × AC power cord, 1 × Lithium-ion battery, 1 × adapter, 1 × safety rope, 1 × C92-screwdriver, 1 × composite cable

Battery	
Battery Type	Lithium-ion battery, dismountable
Capacity	13400 mAh
Charging Time	≤ 4 h
Battery Life	Up to 9 h in 4 MP resolution ¹
Approval	
RF	CE-RED: EN 301 489-1 V2.2.3:2019; EN 301 489-3 V2.2.2:2019; EN 301 489-17 V3.2.4:2020; EN 301 489-19 V2.2.1:2022; EN 301 489-52 V1.2.1:2021; EN 55032:2015/A11:2020; EN 55035:2017/A11:2020; EN 50130-4:2011/A1:2014; EN IEC 61000-3-2:2019/A1:2021; EN 61000-3-3:2013/A2:2021; EN 300 328 V2.2.2:2019; EN 301 893 V2.1.1.1:2017; EN 301 440 V2.1.1:2017; EN 301 908-1 V15.1.1:2021; EN 301 908-2 V13.1.1:2020; EN 301 908-13 V13.2.1:2022; EN 303 413 V1.2.1:2021; EN 62479:2010; EN 50663:2017; EN 50385:2017; EN IEC 62311:2020; EN 62311:2008; EN 62368-1:2014/A11:2017
EMC	CE-EMC: EN 55032: 2015/A11: 2020; EN 55035: 2017/A11: 2020; EN 50130-4: 2011/A1: 2014; EN IEC 61000-3-2: 2019/A1: 2021; EN 61000-3-3: 2013/A2: 2021
Safety	CB: IEC 62368-1: 2018 CE-LVD: EN 62368-1: 2014/A11: 2017
Environment	CE-RoHS: 2011/65/EU
Protection	IP66
Warranty	
Warranty	2 years for the device, 1 year for the battery

1: This is a basic estimation of battery working life only when recording is on. Additional power consumption should be considered when IR, GPS, and/or network connection is on.

▪ Dimension



▪ Accessory

▪ Included



▪ Optional

DS-MH1491 Portable PTZ Dome Battery Charger	DS-MH1695I-H Portable PTZ Dome Tripod	DS-MH1697-H Portable PTZ Dome Tripod	DS-MH1790 Shock Absorber Kit