

GO PTZ M4

4G LTE Solar Power Camera Kit with 4MP Mini PT Dome Camera



Outstanding Features

- Complete solar power camera kit, easy to install and setup
- 600Wh high capacity lithium battery to keep the system running around 72 hrs on rainy days
- Built-in unlocked industrial 4G LTE router, compatible with AT&T, T-Mobile, and Verizon (SIM Card is not included)
- Focuses on human and vehicle targets classification based on deep learning
- Face capture: automatic selection of best shot; up to 5 faces detected and captured at the same time
- Linked audible and visual alarm. Built-in microphone and speaker
- Up to 2560 × 1440 @ 30 fps
- Min. illumination: Color: 0.0005 Lux @ (F1.0, AGC ON); 0 Lux with white light
- 24/7 colorful imaging with low power consumption. Up to 30 m white light distance
- 120 dB WDR, 3D DNR, HLC
- Onboard 256GB storage for one-month continuous recording
- Free mobile App for both Android & iOS (App name: Guarding Vision)
- Optional API document for 3rd party system integration

What is included in this camera:

- Solar panel 100W and pole mount bracket
- 600WH lithium battery with built-in charge controller
- One 4MP Mini PT Dome Camera (PTZ M4)
- Built-in 4G LTE cellular router (SIM card needs to purchase separately)
- 256GB SD Card

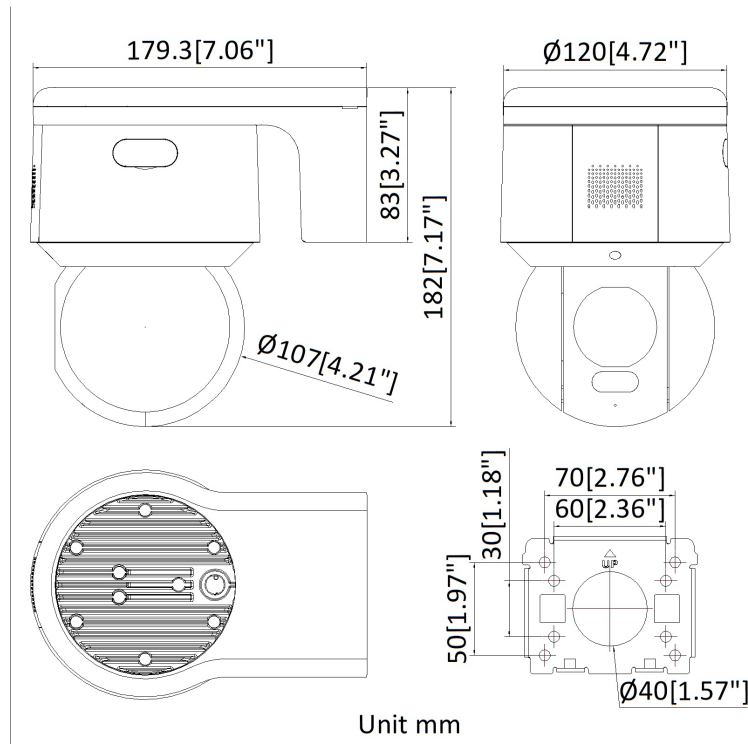
Camera Specification

Camera	
Image Sensor	1/1.8" progressive scan CMOS
Min. Illumination	Color: 0.0005 Lux @ (F1.0, AGC ON); 0 Lux with white light
Shutter Speed	1/1 to 1/30,000 s
Day & Night	24/7 colorful imaging
Zoom	16x digital
Max. Resolution	2560 × 1440
Lens	
Focal Length	4 mm
FOV	Horizontal field of view: 88.7° Vertical field of view: 46.5° Diagonal field of view: 105.0°
Aperture	F1.0
Illuminator	
Supplement Light Type	White Light
Supplement Light Range	White Light Distance: up to 30 m
PTZ	
Movement Range (Pan)	350°
Movement Range (Tilt)	0° to 90°
Pan Speed	Pan speed: configurable from 0.1° to 60°/s; preset speed: 60°/s
Tilt Speed	Tilt speed: configurable from 0.1° to 50°/s, preset speed 50°/s
Proportional Pan	Yes
Presets	300
Power-off Memory	Yes
Park Action	Preset, patrol scan
3D Positioning	Yes
Preset Freezing	Yes
Scheduled Task	Preset, patrol scan, dome reboot, dome adjust, aux output
Video	
Main Stream	50 Hz: 25 fps (2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720); 60 Hz: 30 fps (2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720)
Sub-Stream	50 Hz: 25 fps (704 × 576, 640 × 480, 352 × 288); 60 Hz: 30 fps (704 × 480, 640 × 480, 352 × 240)
Third Stream	50Hz: 25 fps (1920 × 1080, 1280 × 960, 1280 × 720, 704 × 576, 640 × 480, 352 × 288); 60Hz: 30 fps (1920 × 1080, 1280 × 960, 1280 × 720, 704 × 480, 640 × 480, 352 × 240)
Video Compression	Main stream: H.265+/H.265/H.264+/H.264 Sub-stream: H.265/H.264/MJPEG Third stream: H.265/H.264/MJPEG
Scalable Video Coding (SVC)	H.264 and H.265 encoding
Region of Interest (ROI)	8 fixed regions for each stream
Audio	
Audio Compression	G.711alaw, G.711ulaw, G.722.1, G.726, MP2L2, AAC, PCM
Environment Noise Filtering	Yes
Network	
Network Storage	NAS (NFS, SMB/ CIFS)
Protocols	IPv4/IPv6, HTTP, HTTPS, 802.1x, QoS, FTP, SMTP, UPnP, SNMP, DNS, DDNS, NTP, RTSP, RTCP, RTP, TCP/IP, UDP, IGMP, ICMP, DHCP, PPPoE, Bonjour, Websocket, Websockets
API	ISAPI, Hikvision SDK, Hik-Connect, Open Network Video Interface (Profile S, Profile G, Profile T), ISUP
Simultaneous Live View	Up to 20 channels
User/Host	Up to 32 users. 3 levels: Administrator, Operator and User
Security	Authenticated username and password, MAC address binding, HTTPS encryption, 802.1X authenticated access, IP address filter
Web Browser	IE 10+, Chrome 57+, Firefox 52+, Safari 12+
Image	
Day/Night Switch	Day, night, auto, scheduled-switch
Image Enhancement	BLC, HLC, 3D DNR
Wide Dynamic Range (WDR)	120 dB WDR
Defog	Digital defog
Regional Exposure	Yes
Image Settings	Saturation, brightness, contrast, sharpness, gain, and white balance adjustable by client software or web browser
Image Parameters Switch	Yes
Privacy Mask	Up to 24 masks (8 masks for each scene)
SNR	> 52 dB

Specification

Interface	
Built-in Speaker	1 built-in speaker
Power Output	12 VDC; < 60 mA
Ethernet Interface	1 RJ45 10 M/100 M Ethernet interface; PoE (802.3at)
On-board Storage	Built-in memory card slot, support MicroSD/SDHC/SDXC, up to 512 GB
Alarm	1 input, 1 output
Audio	1 input (line in), max. input amplitude: 2-2.4 vpp, input impedance: 1 K Ω \pm 10%; 1 output (line out), line level, output impedance: 600 Ω
RS-485	1 RS-485 (Half duplex, HIKVISION, Pelco-P, Pelco-D, self-adaptive)
Reset	Yes
Event	
Basic Event	Video tampering alarm, motion detection, alarm input, alarm output, exception
Smart Event	Line crossing detection, region entrance detection, unattended baggage detection, object removal detection, intrusion detection, region exiting detection, audio exception detection
Alarm Linkage	Preset, memory card video recording, alarm output, sending email, notify surveillance center, upload to FTP, audible warning, white light flashing
Deep Learning Function	
Face Capture	Detects up to 5 faces simultaneously. Supports detecting, capturing, grading, selecting of face in motion, and outputs the best face picture
Perimeter Protection	Line crossing, intrusion, region entrance, region exiting Support alarm triggering by specified target types (human and vehicle)
General	
General Function	Mirror, password protection, watermark, IP address filter
Power	12 VDC, 3.33 A & PoE (802.3at), 42.5 to 57 VDC, 0.6 A Max. 14 W (including max. 4 W for white light)
Operating Condition	Humidity: \leq 90%, temperature: -30 $^{\circ}$ C to 65 $^{\circ}$ C (-22 $^{\circ}$ F to 149 $^{\circ}$ F)
Demist	Yes
Dimension	179.3 mm \times 120 mm \times 182 mm (7.06" \times 4.72" \times 7.17")
Weight	Approx. 1.125 kg (2.48 lb.)
Approval	
Protection	IP66; 6000 V Lightning Protection, Surge Protection and Voltage Transient Protection

Dimension



4G LTE Router Specification

4G LTE Bands	US Version: B2/B4/B5/B12/B13/B14/B66/B71@FDD LTE (For North America, AT&T, T-Mobile, Verizon)
	EU Version: B1/B3/B5/B7/B8/B20/B28A@FDD LTE (For European Countries)
	AU Version: B1/B2/B3/B4/B5/B7/B8/B28@FDD LTE, B40@TDD LTE (For Australia)

Battery Specification

SKU	Solar-S1250
Battery Type	Lithium Solar Battery (Li-ion Battery) with built-in charge controller
Nominal Voltage	11.1V
Rated Capacity	50Ah
Energy	555Wh
Charge Voltage CutOff	12.5V
Maximum Continuous Charge Current	10A
Discharge Under-Voltage Protection	9V
Reconnect Voltage	10.5V
Dimension	330 x 160 x 90 mm (12.99" x 6.3" x 3.54")
Weight	4.5kg (9.92 Lbs)

Solar Panel Specification

Solar Panel Type	Monocrystalline solar panels, 36 cells
Maximum Power at STC	100W
Optimum Operating Voltage (Vmp)	20.4V
Open-Circuit Voltage (Voc)	24.3V
Optimum Operating Current (Imp)	4.91A
Short-Circuit Current (Isc)	5.21A
Operating Temperature	-40°F to 176°F
Panel Leads (Pair)	14 AWG (1.96 ft)
Weight	14.1lbs/6.4kg
Dimension	41.8 x 20.9 x 1.38 in