


		Key features
		<ul style="list-style-type: none"> ★ High quality imaging with 4 MP@ 12.5/15fps resolution ★ Standalone with solar panel and built-in battery ★ Provide real-time security via built-in two-way audio ★ Support 4G (LTE-TDD/LTE-FDD/TD-SCDMA) communication ★ Water and dust resistant (IP67) ★ Built-in 8 GB eMMC storage and support microSD card up to 256 GB
Model Number		I81HM
IP Camera		
Camera	Image Sensor	1/3" Progressive Scan CMOS
	Max resolution	2560 × 1440
	Main Stream	50 Hz: 12.5 fps (2560 × 1440, 1920 × 1080, 1280 × 720) 60 Hz: 15 fps (2560 × 1440, 1920 × 1080, 1280 × 720)
	Substream	50 Hz: 12.5 fps (1280 × 720, 640 × 480, 640 × 360) 60 Hz: 15 fps (1280 × 720, 640 × 480, 640 × 360)
	Video Compression	Main stream: H.265/ H.264, Sub-stream: H.265/H.264/MJPEG, H.264+ and H.265+: main stream supports under performance mode
	Video Bitrate	32 Kbps to 8 Mbps
	Lens	4 mm@F1.28
	DORI	D: 77 m, O: 30 m, R: 15 m, I: 7 m
	Angle of View	Horizontal FOV: 75°, Vertical FOV: 40°, Diagonal FOV: 89°
	Min. Illumination	B/W: 0.01 Lux @ (AGC ON), B/W: 0 Lux with IR
	Angle Adjustment	Rotate:-30° to 30°
	Supplement Light Type	IR
	Supplement Light Range	Performance mode: up to 30 m, proactive mode: up to 10 m
	Basic Event	Motion detection, video tampering alarm, exception
	Image Enhancement	BLC, HLC, 3D DNR
	Wide Dynamic Range	Digital WDR
	Protocols	TCP/IP, ICMP, HTTP, DHCP, DNS, RTP, RTSP, RTCP, NTP, IGMP, QoS, UDP
	API	Open Network Video Interface (Profile S, Profile G, Profile T), ISAPI
Audio Compression	G.711ulaw/G.711alaw/G.722.1/G.726/MP2L2/PCM/AAC-LC	
Built-in Microphone	Yes, record with audio	
Built-in Speaker	Yes, support two way audio, audible warning	
Mobile Communication	SIM Card Type	MicroSIM
	Frequency	EU: LTE-TDD: Band38/40/41 LTE-FDD: Band1/3/5/7/8/20/28 WCDMA: Band1/5/8 GSM: Band3/5/8
		US: LTE-FDD: Band2/4/5/12/13/17/66/71 WCDMA: Band2/4/5
		LA: LTE-TDD: Band38/40 LTE-FDD: Band1/2/3/4/5/7/8/12/17/20/28/66 WCDMA: Band1/2/3/4/5/8 GSM: Band2/3/5/8
	Standard	LTE-TDD, LTE-FDD, WCDMA, GSM
	Uplink and Downlink Data Rate	Cat 4, uplink: 50 Mbps, downlink: 150 Mbps
Transducer	Transducer Type	PIR + Radar
	Detection Angle	Horizontal: 80°, vertical: 42°
	Detection Range	Up to 12 m
General	Housing	Plastic
	Color	White
	Ethernet	1 RJ45 10 M/100 M self-adaptive Ethernet port
	RS-485	1 RS-485 (half duplex)
	Storage	Built-in 8GB eMMC storage, 5 GB is available for recording. Built-in microSD/SDHC/SDXC Slot, up to 256 GB.
	Ethernet Interface	1 RJ45 10 M/100 M self-adaptive Ethernet port
	Hardware Reset	Yes
	Operating Power	Typical power scenarios: 1.85 W (4G working) Standby scenarios: 80 mW Max. power consumption: 7 W Power Supply:12 VDC Power supply interface: Ø5.5 mm coaxial power plug Extended solar panel: Ø5.5 mm coaxial power plug
		Operating Temperature
	Indoor/Outdoor Use	Indoor/Outdoor
	Protection	IP67
	Dimension (L X W X H)	213.7 mm × 292.4 mm × 188.7 mm (8.4" × 11.5" × 7.3")
	Weight	Approx. 1.42 kg (3.1 lb.)
Package Dimension	345 mm × 240 mm × 292 mm (13.6" × 9.4" × 11.5")	
Weight	Approx. 2.07 kg (4.6 lb.)	
Solar Panel	Photovoltaic panels	40W
	Angle Adjustment	Solar panel: tilt: -45° to 45°, rotate:-30° to 30°
Battery	Battery Type	Ternary Lithium
	Capacity	51.46 Wh
	Max. Output Voltage	12.6 V
	Battery Voltage	8.1 V to 12.6 V
	Operating Temperature	Charging: 0 °C to 45 °C (32 °F to 113 °F) Discharging: -20 °C to 50 °C (-4 °F to 122 °F)
		Battery Life
	Cycle Lifetime	Proactive mode: 1.5 days, Standby mode: 11 days
Battery Weight	Approx. 185 g (0.4 lb.)	
Packaging Contents		
IP Camera		1
Connecting bracket		1
Pole mount connector		1
Solar Panel		1
Battery		1
Screws & Accessories		1