

		Key features	
		<ul style="list-style-type: none"> <li>★ High quality imaging with 4 MP@ 12.5/15fps resolution</li> <li>★ 24/7 Colorful imaging</li> <li>★ Clear imaging against strong back light due to 120 dB true WDR technology</li> <li>★ 40 W photovoltaic panel, 16.8 Ah chargeable lithium battery</li> <li>★ Provide real-time security via built-in two-way audio</li> <li>★ Support 4G (LTE-TDD/LTE-FDD/TD-SCDMA) communication</li> <li>★ Camera: Water and dust resistant (IP65)</li> <li>★ Built-in 64 GB eMMC storage</li> </ul>	
Model Number		I81HE	
<b>IP Camera</b>			
Camera	Image Sensor	1/3" Progressive Scan CMOS	
	Max resolution	2688 × 1520	
	Main Stream	50 Hz: 12.5 fps (2688 × 1520, 1920 × 1080, 1280 × 720)	
		60 Hz: 15 fps (2688 × 1520, 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@F1.0	
	DORI	D: 82 m, O: 32 m, R: 16 m, I: 8 m	
	Angle of View	Horizontal FOV: 75°, Vertical FOV: 40°, Diagonal FOV: 89°	
	Day & Night	24/7 color imaging	
	Min. Illumination	Color: 0.0005 Lux @ (F1.0, AGC ON), B/W: 0 Lux with white light	
	Angle Adjustment	Pan: 0° to 340°, tilt: -5° to 105°	
	Supplement Light Type	White Light	
	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	120 dB 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/MP3		
Built-in Microphone	Yes, record with audio		
Built-in Speaker	Yes, 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	
General	Housing	Camera: Plastic, solar panel: Metal	
	Color	White	
	Ethernet	1 RJ45 10 M/100 M self-adaptive Ethernet port	
	RS-485	1 RS-485 (half duplex)	
	Storage	Built-in 64 GB eMMC storage, 50 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: 40 mW Max. power consumption: 6 W Power Supply: 12 VDC ± 25% Power supply interface: Ø5.5 mm coaxial power plug Extended solar panel: four-core aviation connector	
	Operating Temperature	-20 °C to 50 °C (-4 °F to 122 °F)	
	Indoor/Outdoor Use	Indoor/Outdoor	
	Protection	IP65	
	Dimension (L X W X H)	686.6mm × 442.6mm × 760 mm (27.03" × 17.42" × 29.9")	
	Weight	Approx. 11.70 kg (25.8 lb.)	
	Package Dimension	902 mm × 342 mm × 440 mm (35.5" × 13.5" × 17.3")	
Weight	Approx. 15.01 kg (33.1 lb.)		
Solar Panel	Photovoltaic panels	40W	
	Angle Adjustment	Pan: 0° to 358°, tilt: -40° to 0°	
Battery	Battery Type	Ternary Lithium	
	Capacity	8.4 Ah × 2 packs	
	Max. Output Voltage	12.6 V	
	Battery Voltage	9 V to 12.6 V	
	Operating Temperature	Charging: -20 °C to 45 °C (-4 °F to 113 °F)	
		Discharging: -20 °C to 55 °C (-4 °F to 131 °F)	
	Battery Life	More than 500 cycles	
Cycle Lifetime	Performance mode: 3.6 days, Proactive mode: 6 days, Standby mode: 30 days		
Battery Weight	Approx. 1400 g (3.1 lb.)		
<b>Packaging Contents</b>			
IP Camera		1	
Connecting bracket		1	
Pole mount connector		1	
Solar Panel		1	
Battery		1	
Screws & Accessories		1	