

		Key features
		<ul style="list-style-type: none"> ★ High quality imaging with 8 MP@ 15fps resolution ★ 24/7 Colorful imaging ★ Clear imaging against strong back light due to 120 dB true WDR technology ★ Focus on human and vehicle targets classification based on deep learning ★ 80 W photovoltaic panel, 30 Ah chargeable lithium battery (The battery should be ordered separately.) ★ Support battery management, battery display, battery high-low temperature protection, charge-discharge protection, low-battery sleep protection and remote wakeup ★ LTE-TDD/LTE-FDD/WCDMA/GSM 4G wireless network transmission, support Micro SIM card ★ Camera: Water and dust resistant (IP67) ★ Built-in 64 GB eMMC storage
Model Number	I91BU	
IP Camera		
Camera	Image Sensor	1/1.2" Progressive Scan CMOS
	Max resolution	3840 × 2160
	Main Stream	50 Hz: 12.5 fps (3840 × 2160, 2688 × 1520, 1920 × 1080, 1280 × 720) 60 Hz: 15 fps (3840 × 2160, 2688 × 1520, 1920 × 1080, 1280 × 720)
	Substream	50 Hz: 12.5 fps (640 × 480, 640 × 360) 60 Hz: 15 fps (640 × 480, 640 × 360)
	Video Compression	Main stream: H.265 Sub-stream: H.265/MJPEG *Full power mode: main stream supports H.265+
	Video Bitrate	32 Kbps to 16 Mbps
	Lens	2.8 mm@F1.0
	DORI	D: 44 m, O: 17.5 m, R: 9 m, I: 4.5 m
	Angle of View	Horizontal FOV: 101.6°, vertical FOV: 52.4°, diagonal FOV: 124°
	Min. Illumination	Color: 0.0005 Lux @ (F1.0, AGC ON), B/W: 0 Lux with white light
	Supplement Light Type	White Light
	Supplement Light Range	Up to 30 m
	Basic Event	Motion detection (human and vehicle targets classification), video tampering alarm, exception
	Smart Event	Line crossing detection, intrusion detection, region entrance detection, region exiting detection, unattended baggage detection, object removal detection, The smart events are only supported under full power mode. Focus on human and vehicle targets classification based on deep learning.
	Image Enhancement	BLC, HLC, 3D DNR
	Wide Dynamic Range	120 dB WDR
	Protocols	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, NTP, UPnP, SMTTP, SNMP, IGMP, 802.1X, QoS, IPv6, UDP, Bonjour, SSL/TLS
	API	Open Network Video Interface Version 18.12, ISAPI, ISUP
	Region of Interest (ROI)	4 fixed regions for main stream
	Privacy Mask	4 programmable polygon privacy masks
General Function	Anti-flicker, heartbeat, mirror, privacy masks, flash log, password reset via email, pixel counter, remote access, image parameters switch	
Ethernet	1 RJ45 10 M/100 M self-adaptive Ethernet port	
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 JP: LTE-TDD: Band41 LTE-FDD: Band1/3/8/11/18/19/21/26/28 WCDMA: Band1/8
	Standard	EU: LTE-TDD/LTE-FDD/WCDMA/GSM US: LTE-FDD/WCDMA LA: LTE-TDD/LTE-FDD/WCDMA/GSM JP: LTE-TDD/LTE-FDD/WCDMA
General	Housing	Front cover: metal, body: metal, bracket: metal
	Color	White
	RS-485	1 RS-485 (half duplex)
	Storage	Built-in 64 GB eMMC storage, built-in microSD/SDHC/SDXC Slot, up to 256 GB, NAS
	Ethernet Interface	1 RJ45 10 M/100 M self-adaptive Ethernet port
	Hardware Reset	Yes
	Operating Power	12 VDC ± 20%, Ø5.5 mm coaxial power plug 1. Standby power consumption: 53 mW 2. The average power consumption of 24 hours: 2 W (4G transmission is excluded). 3. The max. power consumption: 3.2 W
	Operating Temperature	-20 °C to 60 °C (-4 °F to 140 °F)
	Indoor/Outdoor Use	Indoor/Outdoor
	Protection	IP67, wind resistance 12 level, up to 40 m/s wind speed resistance
	Dimension (L X W X H)	829.9 × 696.3 × 760 mm (32.7" × 27.4" × 30") (Max. size of the camera after it is completely assembled)
Weight	Approx. 25.4 kg (56.0 lb.)	
Package Dimension	862 × 292 × 765 mm (33.9" × 11.5" × 30.1")	
Weight	Approx. 30.1 kg (66.3 lb.)	
Solar Panel	Photovoltaic panels	80W
	Dimension	760 × 640 mm (29.9" × 25.2")
Battery	Battery Type	Lithium
	Capacity	30 Ah
	Max. Output Voltage	12.6 V
	Battery Voltage	10.8 V
	Operating Temperature	Charging: -20 °C to 45 °C (-4 °F to 113 °F) Discharging: -20 °C to 60 °C (-4 °F to 140 °F)
	Battery Life	More than 500 cycles
	Battery Weight	Approx. 3.3 kg (7.3 lb.)
	Extended Dimension	236 × 154 × 80 mm (9.3" × 6.1" × 3.2")
Packaging Contents		
IP Camera		1
Vertical pole mount		1
Connecting bracket		1
Screws (M12*430)		4
Pole mount connector		1
Solar Panel		1
Battery		1
Junction box		1
Adapter cable		1
Battery charger		1
Screws & Accessories		1