

Key features

★ 4K smart dual light varifocal bullet network camera
★ 2.8 to 12mm lens brings everything back to life
★ Efficient H.265+ compression technology
★ Motion detection 2.0 with human & Vehicle Detection
★ Night vision up to 50m
★ Clear day and night vision with 3D DNR and 120DB WDR
★ Provide real-time security via built-in two-way audio
★ Support on-board storage up to 512 GB (SD card slot)
★ IP67 Dust and Waterproof Rating
★ Support PoE &DC12V

Model Number		I91DE
IP Camera		
Camera	Image Sensor	1/2.4" Progressive Scan CMOS
	Max resolution	3840*2160(8MP)
	Main Stream	50 Hz: 12.5fps@3840*2160, 20 fps (3200 × 1800, 2688 × 1520, 1920 × 1080, 1280 × 720) 60 Hz: 15fps@3840*2160, 20 fps (3200 × 1800, 2688 × 1520, 1920 × 1080, 1280 × 720)
	Substream	50 Hz: 20 fps (1280 × 720, 640 × 480, 640 × 360) 60 Hz: 20 fps (1280 × 720, 640 × 480, 640 × 360)
	Video Compression	Main stream: H.265+/H.265/H.264+/H.264 Sub-stream: H.265/H.264/MJPEG
	Video Bitrate	32 Kbps - 16 Mbps
	Audio Compression	G.711/G.722.1/G.726/MP2L2/PCM/ AAC-LC
	Built-in Microphone	Record with audio, environment noise filtering
	Built-in Speaker	Max. power consumption: 2.0 W, max. sound pressure level: 10 cm: 95 dB.
	Lens	2.8 to 12 mm motorized varifocal
	DORI	D: 68 to 200 m, O: 27 to 79 m, R: 13.6 to 40 m, I: 6.8 to 20 m
	Min. Illumination	Color: 0.005 Lux @ (F1.6, AGC ON), B/W: 0 Lux with IR
	Angle of View	Horizontal FOV 106° to 35.6°, vertical FOV 55.9° to 20°, diagonal FOV 127.4° to 40.8°
	Supplement Light Type	Smart Dual-Light, IR, White Light
	Supplement Light Range	Up to 50 m(I91DE) / Up to 30 m(I91DQ)
	Motion detection 2.0	Supoort, include Human & Vehicle detection
	Linkage	Upload to FTP/NAS/memory card, notify surveillance center, send email, trigger recording, trigger capture, audible warning, flashing light
	Image Enhancement	BLC, HLC, 3D DNR
	Wide Dynamic Range	120 dB WDR
	Protocols	TCP/IP, ICMP, DHCP, DNS, HTTP, RTP, RTSP, NTP, IGMP, IPv6, UDP, QoS, FTP, SMTP, UPnP
	API	Open Network Video Interface Version (Profile S, Profile T, Profile G),ISAPI
	Region of Interest (ROI)	1 fixed region for main stream
	Privacy Mask	4 programmable polygon privacy masks
	General Function	Rotate mode, mirror, password protection, remote access
	Web Browser	Plug-in required live view: IE 10, IE 11,Local service: Chrome 57.0+, Firefox 52.0+, Edge 89+
	APP	PC: Windows, Mac OS; Smartphone: iOS, Android
	Ethernet	1 RJ45 10 M/100 M self-adaptive Ethernet port
General	Housing	Metal & Plastic(I91DE) /Metal (I91DQ)
	Color	White
	Storage	Built-in microSD/SDHC/SDXC Slot, up to 512 GB
	Hardware Reset	Yes
	Operating Power	12 VDC ± 25%, 0.9 A, max. 10.8 W, PoE: IEEE 802.3af, Class 3, max. 12.9 W(I91DE) 12 VDC ± 25%, 0.9 A, max. 10.8 W, PoE: IEEE 802.3af, Class 3, max. 12.9 W(I91DQ)
	Operating Conditions	-22 °F – 140 °F/-30 °C – 60 °C. Humidity 95% or less (non-condensing)
	Indoor/Outdoor Use	Indoor/Outdoor
	Interface Protection	IP67(I91DE) / IP67, IK08(I91DQ)
	Dimension (L X W X H)	105 mm × 285.8 mm (Ø4.13" × 11.25")(I91DE) /Ø 121.5 mm × 97.6 mm (Ø 4.78" × 3.84")(I91DQ)
	Weight	Approx. 805 g (1.8 lb.) (I91DE) /Approx. 540 g (1.2 lb.)(I91DQ)

Packaging Contents	
Camera	1
Surveillance Sign	1
Waterproof connector	1
Mounting Hole Template	1
Mounting Screw Bag	1
User Manual for Camera	1

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Model Number		**I91DQ**
IP Camera		
Camera	Image Sensor	1/2.4" Progressive Scan CMOS
	Max resolution	3840*2160(8MP)
	Main Stream	50 Hz: 12.5fps@3840*2160, 20 fps (3200 × 1800, 2688 × 1520, 1920 × 1080, 1280 × 720) 60 Hz: 15fps@3840*2160, 20 fps (3200 × 1800, 2688 × 1520, 1920 × 1080, 1280 × 720)
	Substream	50 Hz: 20 fps (1280 × 720, 640 × 480, 640 × 360) 60 Hz: 20 fps (1280 × 720, 640 × 480, 640 × 360)
	Video Compression	Main stream: H.265+/H.265/H.264+/H.264 Sub-stream: H.265/H.264/MJPEG
	Video Bitrate	32 Kbps - 16 Mbps
	Audio Compression	G.711/G.722.1/G.726/MP2L2/PCM/ AAC-LC
	Built-in Microphone	Record with audio, environment noise filtering
	Lens	2.8 to 12 mm motorized varifocal
	DORI	D: 68 to 200 m, O: 27 to 79 m, R: 13.6 to 40 m, I: 6.8 to 20 m
	Min. Illumination	Color: 0.005 Lux @ (F1.6, AGC ON), B/W: 0 Lux with IR
	Angle of View	Horizontal FOV 106° to 35.6°, vertical FOV 55.9° to 20°, diagonal FOV 127.4° to 40.8°
	Supplement Light Type	Smart Dual-Light, IR, White Light
	Supplement Light Range	Up to 30 m
	Motion detection 2.0	Supoort, include Human & Vehicle detection
	Linkage	Upload to FTP/NAS/memory card, notify surveillance center, send email, trigger recording, trigger capture, flashing light
	Image Enhancement	BLC, HLC, 3D DNR
	Wide Dynamic Range	120 dB WDR
	Protocols	TCP/IP, ICMP, DHCP, DNS, HTTP, RTP, RTSP, NTP, IGMP, IPv6, UDP, QoS, FTP, SMTP, UPnP
	API	Open Network Video Interface Version (Profile S, Profile T, Profile G), ISAPI
	Region of Interest (ROI)	1 fixed region for main stream
	Privacy Mask	4 programmable polygon privacy masks
	General Function	Rotate mode, mirror, password protection, remote access
	Web Browser	Plug-in required live view: IE 10, IE 11,Local service: Chrome 57.0+, Firefox 52.0+, Edge 89+
	APP	PC: Windows, Mac OS; Smartphone&Tablet: iOS, Android
	Ethernet	1 RJ45 10 M/100 M self-adaptive Ethernet port
General	Housing	Metal
	Color	White
	Storage	Built-in microSD/SDHC/SDXC Slot, up to 512 GB
	Hardware Reset	Yes
	Operating Power	12 VDC ± 25%, 0.8 A, max. 9.6 W, PoE: IEEE 802.3af, Class 3, max. 12 W
	Operating Conditions	-22 °F – 140 °F/-30 °C – 60 °C. Humidity 95% or less (non-condensing)
	Indoor/Outdoor Use	Indoor/Outdoor
	Interface Protection	IP67, IK08
	Dimension (L X W X H)	Ø 121.5 mm × 97.6 mm (Ø 4.78" × 3.84")
	Weight	Approx. 540 g (1.2 lb.)

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