

		Key features High quality imaging with 8MP resolution Support Human and Vehicle Detection Smart Smart Hybrid Light: advanced technology with long range Efficient H.265+ compression technology Support on-board storage up to 512 GB (SD card slot) Provide real-time security via built-in two-way audio Water and dust resistant (IP67)
Model Number		IPT280B-HT
Camera	Image Sensor	1/2.4" Progressive Scan CMOS
Camera	Max. Resolution	3840×2160
	Shutter Time	1/3 s to 1/100,000 s
	Min. Illumination	Color: 0.005 Lux @ (F1.6, AGC ON), B/W: 0 Lux with IR
	Day & Night	IR cut filter
	Angle Adjustment	Pan: 0° to 360°, tilt: 0° to 75°, rotate: 0° to 360°
Lens	Lens Type	Fixed focal lens, 2.8 mm optional
	Focal Length & FOV	2.8 mm, horizontal FOV 105°, vertical FOV 55°, diagonal FOV 127°
	Lens Mount	M12
	Iris Type	Fixed
	Aperture	F1.6
DORI	DORI	2.8 mm, D: 76 m, O: 30 m, R: 15 m, I: 7 m
Illuminator	Supplement Light Type	IR, White Light
	Supplement Light Range	Up to 30 m
	Smart Supplement Light	Yes
	IR Wavelength	850 nm
Video	Main Stream	50 Hz: 12.5 fps (3840 × 2160, 3200 × 1800, 2688 × 1520, 1920 × 1080, 1280 × 720) 60 Hz: 15 fps (3840 × 2160, 3200 × 1800, 2688 × 1520, 1920 × 1080, 1280 × 720)
	Sub-Stream	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.265/H.264+/H.264, Sub-stream: H.265/H.264/MJPEG
	Video Bit Rate	32 Kbps to 8 Mbps
	H.264 Type	Baseline Profile, Main Profile, High Profile
	H.265 Type	Main Profile
	Bit Rate Control	CBR, VBR
	Scalable Video Coding (SVC)	H.264 and H.265 encoding
	Region of Interest (ROI)	1 fixed region for main stream
Audio	Audio Type	Mono sound
	Audio Sampling Rate	8 kHz/16 kHz

Audio	Environment Noise Filtering	Yes
	Audio Compression	G.711/G.722.1/G.726/MP2L2/PCM/AAC-LC
	Audio Bit Rate	64 Kbps (G.711ulaw/G.711alaw)/16 Kbps (G.722.1)/16 Kbps (G.726)/32 to 192 Kbps (MP2L2)/16 to 64 Kbps (AAC-LC)
Network	Security	Password protection, complicated password, watermark, basic and digest authentication for HTTP, WSSE and digest
	Simultaneous Live View	Up to 6 channels
	API	Open Network Video Interface (Profile S, Profile T, Profile G), ISAPI, SDK
	Protocols	TCP/IP, ICMP, DHCP, DNS, HTTP, RTP, RTSP, RTCP, NTP, IGMP, IPv4, IPv6, UDP, QoS, FTP, SMTP
	User/Host	Up to 32 users 3 user levels: administrator, operator, and user
	Web Browser	Plug-in required live view: IE 10, IE 11, Local service: Chrome 57.0+, Firefox 52.0+, Edge 89+
Image	Wide Dynamic Range (WDR)	120 dB
	SNR	≥ 52 dB
	Day/Night Switch	Day, Night, Auto, Schedule
	Image Enhancement	BLC, HLC, 3D DNR
	Image Settings	Rotate mode, saturation, brightness, contrast, sharpness, gain, white balance, adjustable by client software or web browser
	Privacy Mask	4 programmable rectangle privacy masks
Interface	Ethernet Interface	1 RJ45 10 M/100 M self-adaptive Ethernet port
	On-Board Storage	Built-in memory card slot, support microSD/microSDHC/microSDXC card, up to 512 GB
	Built-in Microphone	Max. power consumption: 1.5 W, max. sound pressure level: 10 cm: 95 dB.
	Built-in Speaker	Yes
Event	Basic Event	Motion detection (support alarm triggering by specified target types (human and vehicle)), video tampering alarm, exception
General	Power	12 VDC ± 25%, 0.66 A, max. 8 W, Ø5.5 mm coaxial power plug, reverse polarity protection, PoE: IEEE 802.3af, Class 3, max. 9.5 W
	Material	Metal & Plastic
	Dimension	Ø110 mm × 102.7 mm (Ø4.33" × 4.04")
	Weight	Approx. 340 g (0.7 lb.)
	With Package Weight	Approx. 560 g (1.2 lb.)
	Storage Conditions	-30 °C to 60 °C (-22 °F to 140 °F). Humidity 95% or less (non-condensing)
	With Package Weight	-30 °C to 60 °C (-22 °F to 140 °F). Humidity 96% or less (non-condensing)
	Protection	IP67