

Camera	Image Sensor	1/2.5" Progressive Scan CMOS
	Max. Resolution	3840 × 2160
	Min. Illumination	Color: 0.056 Lux @ (F2.0, AGC ON), 0 Lux with IR
	Shutter Time	1 s to 1/100,000 s
	Day & Night	ICR Cut
	Angle Adjustment	P: -90 to 90°; T: 0 to 60° (2.8mm), 0 to 70° (4/6mm); R: 0 to 355°
Lens	Focal Length & FOV	2.8mm @ F2.0, horizontal FOV 103°, vertical FOV 53°, diagonal FOV 124°
	Lens Mount	M12
	Aperture	F2.0
DORI	DORI	2.8 mm: D: 105.4 m, O: 41.8 m, R: 21.1 m, I: 10.5 m
Illuminator	Supplement Light Range	Up to 10 m
	Smart Supplement Light	Yes
	IR Wavelength	850nm
Video	Main Stream	50 Hz: 12.5 fps (3840 × 2160, 3072 × 1728, 2560 × 1440, 1920 × 1080, 1280 × 720)
		60 Hz: 15 fps (3840 × 2160, 3072 × 1728, 2560 × 1440, 1920 × 1080, 1280 × 720)
	Sub-Stream	50 Hz: 12.5 fps (640 × 480, 704 × 576)
		60 Hz: 15 fps (640 × 480, 704 × 480)
	Video Compression	H.265/H.264/MJPEG
	Video Bit Rate	32 Kbps to 16 Mbps
Bit Rate Control	VBR/CBR	
Region Of Interest (ROI)	4 fixed regions for each stream	
Network	Protocols	TCP/IP, ICMP, HTTP, HTTPS, FTP, SFTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, UDP, Bonjour,
	Simultaneous Live View	Up to 20 channels
	API	ONVIF (PROFILE S, PROFILE G, PROFILE T), ISAPI, SDK
	User/Host	Up to 32 users 3 levels: Administrator, Operator and User
	Network Storage	NAS(NFS,SMB/ CIFS)
	Web Browser	Plug-in required live view: IE8+ Plug-in free live view: Chrome 57.0+, Firefox 52.0+, Safari 11+ Local service: Chrome 41.0+, Firefox 30.0+
Image	Image Parameters Switch	Yes
	Image Settings	Rotate, saturation, brightness, contrast, sharpness, white balance adjustable by client software or web browser *Rotate and perimeter protection events (line crossing detection, intrusion detection, region entrance detection, region exiting detection) cannot be enabled at the same time.
	Day/Night Switch	Day, Night, Auto, Schedule, Triggered by Alarm In (-S)
	Wide Dynamic Range	120 dB
	Image Enhancement	BLC, HLC, Defog, EIS, 3D DNR
	Privacy Mask	Yes
	Picture Overlay	LOGO picture can be overlaid on video with 128 × 128 24bit bmp format
Event	Basic Event	Motion detection, video tampering alarm, exception (network disconnected, IP address conflict, illegal login, HDD full, HDD error)
	Smart Event	Line crossing detection, intrusion detection, region entrance detection, region exiting detection, unattended baggage detection, object removal detection
		Scene change detection, audio exception detection
Linkage	Upload to FTP/NAS/memory card, send email, notify surveillance center	
General	Power	12 VDC, 0.9A, max. 11 W, Ø5.5 mm coaxial power plug
		POE: (802.3af, 36V to 57V), 0.3 A to 0.2 A, max. 11 W
	Dimension	164.3 × 84.6 × 67.4 mm (6.5" × 3.3" × 2.7")
Package Dimension	227 × 172 × 125 mm (8.9" × 6.8" × 4.9")	