



FEATURES

- 1/2.8" 2Megapixel STARVIS™ CMOS
- Powerful 25x optical zoom
- Starlight technology
- H.265 Encoding
- Max. 50/60fps@1080P
- Auto-tracking and IVS
- Support PoE+
- IR distance up to 150m
- IP67, IK10

TECHNICAL SPECIFICATIONS

Camera	Image Sensor	1/2.8" STARVIS™ CMOS
	Effective Pixels	1920(H) x 1080(V), 2 Megapixels
	RAM/ROM	1024M/128M
	Scanning System	Progressive
	Electronic Shutter Speed	1/1s~1/30,000s
	Min. Illumination	Color: 0.005Lux@F1.6; 0Lux@F1.6 (IR on)
	S/N Ratio	More than 55dB
	IR Distance	Distance up to 150m (492ft)
	IR On/Off Control	Auto / Manual
Lens	R LEDs	4
	Focal Length	4.8mm~120mm
	Max Aperture	F1.6 ~ F4.4
	Angle of View	H: 59.2° ~ 2.4°
	Optical Zoom	25x
	Focus Control	Auto/Manual
DORI Distance	Close Focus Distance	100mm~ 1500mm
	Note: The DORI distance is a "general proximity" of distance which makes it easy to pinpoint the right camera for your needs. The DORI distance is calculated based on sensor specification and lab test result according to EN 62676-4 which defines the criteria for Detect, Observe, Recognize and Identify respectively.	
	Detect	1613m(5292ft)
	Observe	646m(2119ft)
	Recognize	323m(1060ft)
PTZ	Identify	161m(528ft)
	Pan/Tilt Range	Pan: 0° ~ 360° endless; Tilt: -90° ~ 90°, effective angle: -51° ~ 90°, auto flip 180°
	Manual Control Speed	Pan: 0.1° ~120° /s; Tilt: 0.1° ~75° /s
	Preset speed	Pan: 120° /s; Tilt: 75° /s
	Presets	300
	PTZ Mode	5 Pattern, 8 Tour, Auto Pan ,Auto Scan
	Speed Setup	Human-oriented focal Length/ speed adaptation
	Power up Action	Auto restore to previous PTZ and lens status after power failure
	Idle Motion	Activate Preset/ Scan/ Tour/ Pattern if there is no command in the specified period
	Protocol	DH-SD
Intelligence	Auto Tracking	Support
	IVS	Tripwire, Intrusion, Abandoned/Missing, Face Detection, Heat Map
Video	Compression	H.265+/H.265/H.264+/H.264
	Streaming Capability	3 Streams
	Resolution	1080P(1920×1080)/1.3M(1280×960)/720P(1280× 720)/D1(704×576/704×480)/CIF(352×288/352×240)
	Frame Rate	Main stream: 1080P/1.3M/720P(1~50/60fps) Sub stream1: D1/CIF(1 ~ 25/30fps) Sub stream2: 1080P/1.3M/720P/D1/CIF(1~25/30fps)
	Bit Rate Control	CBR/VBR
	Bit Rate	H.265/H.264: 448K ~ 8192Kbps
	Day/Night	Auto(ICR) / Color / B/W
	BLC Mode	BLC / HLC / WDR(120dB)
	White Balance	Auto,ATW,Indoor,Outdoor,Manual
	Gain Control	Auto/Manual
	Noise Reduction	Ultra DNR (2D/3D)
	Motion Detetion	Support
	Region of Interest	Support
	Video	Electronic Image Stabilization (EIS)
Defog		Support
Digital zoom		16x
Flip		180°
Privacy Masking		Up to 24 areas
Audio	Compression	G.711a/G.711Mu/AAC/G.722 / G.726/G.729/MPEG2-L2
Network	Ethernet	RJ-45 (10Base-T/100Base-TX)
	Protocol	IPv4/IPv6, HTTP, HTTPS, SSL, TCP/IP, UDP, UPnP, ICMP, IGMP, SNMP, RTSP, RTP, SMTP, NTP, DHCP, DNS, PPPOE, DDNS, FTP, IP Filter, QoS, Bonjour, 802.1x
	Interoperability	ONVIF, PSIA, CGI
	Streaming Method	Unicast / Multicast
	Max. User Access	20 Users
	Edge Storage	NAS (Network Attached Storage), Local PC for instant recording, Micro SD card 128GB
	Web Viewer	IE, Chrome, Firefox, Safari
	Management Software	Smart PSS, DSS
	Smart Phone	iOS, Android
	Certifications	CE
FCC		Part15 subpartB, ANSI C63.4-2014
UL		UL60950-1+CAN/CSA C22.2,-No.60950-1
Interface	Audio I/O	1/1
	Alarm I/O	2/1
Electrical	Power Supply	DC12V/4A, PoE+(802.3at)
	Power Consumption	22W (IR on)
Environmental	Operating Conditions	-40°C ~ 70°C (-40°F ~ +158°F) / Less than 95% RH
	Ingress Protection	IP67
	Vandal Resistance	IK10
Construction	Casing	Metal
	Dimensions	Φ291.5x 161x153.4(mm)
	Net Weight	3.6kg(7.94lb)
	Gross Weight	6.35kg(14.00lb)