



Quadruple Streaming 12 MP Intelligent IP Camera

FEATURES

- 12MP Progressive Scan High Class CMOS Sensor
- H.264 12MP@20fps or Ultra HD 4k2k @30fps
- Multiple Region of Interest (ROI)
- High Dynamic Range (120dB)
- Quadruple Streaming using State-Of-the-Art Encoding That Gives Compression- H.264 Baseline / Main / High Profile + MJPEG
- Optional Auto Back Focus (ABF)
- 3D Motion Compensated Noise Reduction
- Internal Storage microSD Support
- Triple Power Support- PoE / DC12V / AC24V
- ONVIF Profile S Conformance
- Built-In Video Analytics including:
 - Abandoned Object
 - Intrusion Detection
 - Camera Sabotage
 - Wrong Direction
 - Loitering Detection
 - Object Counting
 - Object Removal
 - Stopped Vehicle

TECHNICAL SPECIFICATION

Image Sensor	1/1.7" Sony Progressive CMOS
Effective Pixels	12M
Minimum Illumination	0.05 lux @F1.8 (Color)
	0.005 lux @F1.8 (B/W)
Shutter Speed	1 ~ 1/10000 sec.
Image Setting	
Backlight Compensation	On / Off (w/ Motion Compensation)
White Balance	Manual / AWB / ATW / One Push
Noise Reduction	3DNR / 2DNR / ColorNR
Wide Dynamic Range	120dB
Privacy Mask	On / Off
Brightness	Manual
Exposure	Auto / Manual
Sharpness	Manual
Contrast	Manual
Saturation	Manual
Digital Zoom	Support
Privacy Mask Type	Color
ICR	Auto / Day / Night / Smart
IR Threshold	Adjustable Levels
Motion Detection	On / Off / By Schedule
SNR	>=55dB
Built-in Analytic	
Abandoned Object	On / Off / By Schedule
Intrusion Detection	On / Off / By Schedule
Camera Sabotage	On / Off / By Schedule
Wrong Direction	On / Off / By Schedule
Loitering Detection	On / Off / By Schedule
Object Counting	On / Off / By Schedule
Object Removal	On / Off / By Schedule
Stopped Vehicle	On / Off / By Schedule

Event Setting	
Tampering Alarm	On / Off / By Schedule
Network Failure Detection	By Schedule / On / Off
Audio Detection	On / Off
Audio	
Two-way Audio	Line in / Line Out
Compression	G.711 / G.726 / AAC / LPCM
MIC	Optional
Network	
Interface	RJ-45, 1Gbps Ethernet
Video Compression	MJPEG / H.264 (MPEG-4 Part 10/AVC) Baseline / Main Profile / High Profile
Video Streaming	Single: H.264 12MP (4000x3000) @20fps
	Dual: H.264 12MP (4000x3000) @15fps + H.264 1080P @15fps or H.264 4K (3840 x 2160) @ 20 fps + 1080p @ 20 fps Note: 1 of the 2M or under streamings can be MJPEG
	Quad: H.264 1080P @50/60 fps + H.264 SXGA @25/30 fps + H.264 720P @25/30 fps + H.264 D1 @25/30 fps Note: 1 of the 2M or under streamings can be MJPEG
Video Resolution	H.264: 12MP (4000 x 3000) / 4K2K/ Full HD 1080P / SXGA / 720P / XGA / SVGA / D1 / VGA / CIF / QVGA
	MJPEG: Full HD 1080P / SXGA / 720P / XGA / SVGA / D1 / VGA / CIF / QVGA
Video Windows under ePTZ	4
Protocol	ARP, IPv4/v6, TCP/IP, UDP, RTP, RTSP, HTTP, HTTPS, ICMP, FTP, SMTP, DHCP, PPPoE, UPnP, IGMP, SNMP, QoS, ONVIF
Video Transmission	Unicast/Multicast
Security	HTTPS / IP Filter / IEEE 802.1X
Input Alarm	1 Set 5V 10kΩ pull up

Output Alarm	1 Set Photo Relay Output 300V DC/AC
Event Notification	HTTP / FTP / SMTP
Micro SD	microSDXC 64GB support
Supported Web Browser	Internet Explorer (6.0+) / Chrome / Firefox / Safari
User Account	20
Password Levels	User and Administrator
Mechanical	
Lens Mounting	CS Mount
LED Indicator	Power / Link / ACT
Connectors	
Iris Control	DC Iris (Auto/Manual)
Alarm	4 Pin Terminal Block, Pitch 3.5 mm
Power	DC jack or 2pin Terminal Block
Ethernet	RJ-45
Analog Video	1.0 Vp-p / 75 Ω, BNC
Audio	Line in / Line Out
RS 485	N/A
General	
Operating Temperature	-10°C ~ 50°C (14° ~ 122° F)
Humidity	10% ~ 90%, No Condensation
Dimension	149.66 x 79.73 x 52.57 mm (L x W x H) w/o Lens
Weight	395g (0.87 lb) w/o lens
Power Source	DC 12V / AC 24V / PoE
Power Consumption	max 8.5W
Regulatory	CE / FCC