



Camera

Image Sensor:	1/3" Progressive Scan CMOS
Signal System:	PAL/NTSC
Min. Illumination:	Color: 0.01 Lux @ (F1.2, AGC ON), 0.018 Lux @ (F1.6, AGC ON), 0 Lux with IR
Shutter time:	1/3 s to 1/100,000 s
Slow shutter:	Support
Lens:	2.8 mm @ F1.6: horizontal FOV: 103°, vertical FOV: 58°, diagonal FOV: 123° 4 mm @F1.6: horizontal FOV: 83°, vertical FOV: 45°, diagonal FOV: 99° 6 mm @F1.6: horizontal FOV: 51°, vertical FOV: 29°, diagonal FOV: 58° 8 mm @F1.6: horizontal FOV: 39°, vertical FOV: 22°, diagonal FOV: 45°
Lens Mount:	M12
Adjustment Range:	Pan: 0° to 355°, tilt: 0° to 75°, rotate: 0° to 355°
Day& Night:	IR cut filter with auto switch
Wide Dynamic Range:	120 dB
Digital noise reduction:	3D DNR
Focus:	Fixed

Compression Standard

Video Compression:	H.265+/H.265/H.264+/H.264/MJPEG
Video bit rate:	256Kbps~16Mbps
Audio Compression:	-S: G.711/G.722.1/G.726/MP2L2/PCM
Audio bit rate:	64Kbps(G.711)/16Kbps(G.722.1)/16Kbps(G.726)/32-192Kbps(MP2L2)
Triple Streams:	Yes

Image

Max. Image Resolution:	2688 × 1520
Sub Stream:	50Hz: 25fps (640 × 480, 640 × 360, 320 × 240) 60Hz: 30fps (640 × 480, 640 × 360, 320 × 240)
Frame Rate:	50Hz:25fps (2688 × 1520, 2560 × 1440, 2304 × 1296, 1920 × 1080) 60Hz: 30fps (2688 × 1520, 2560 × 1440, 2304 × 1296, 1920 × 1080)
Third Stream:	50Hz: 25fps (1280 × 720, 640 × 360, 352 × 288) 60Hz: 30fps (1280 × 720, 640 × 360, 352 × 240)
Image Enhancement:	BLC/3D DNR/ROI/HLC
Image Settings:	Rotate mode, saturation, brightness, contrast, sharpness and white balance adjustable by client software or web browser
Target Cropping:	No
ROI:	1 fixed region for main stream and sub-stream
Day/Night Switch:	Day/Night/Auto/Schedule/Triggered by alarm in (-S)



Network

Network Storage:	microSD/SDHC/SDXC card (128G), local storage and NAS (NFS,SMB/CIFS), ANR
Alarm Trigger:	Motion detection, video tampering alarm, network disconnected, IP address conflict, illegal login, HDD full, HDD error
Protocols:	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP?, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, Bonjour
General Function:	One-key reset, Anti-Flicker, heartbeat, mirror, password protection, privacy mask, Watermark, IP address filtering
System Compatibility:	ONVIF (Profile S, Profile G),ISAPI

Interface

Audio:	with -S model[]1 input (line in/mic.in), 1 output (line out), terminal block, mono sound
Communication Interface:	1 RJ45 10M / 100M Ethernet interface
Alarm:	with -S model[]1 input, 1 output (max. 12 VDC, 30 mA), terminal block
On-board storage:	Built-in Micro SD/SDHC/SDXC slot, up to 128 GB
Reset Button:	Yes

Audio

Environment Noise Filtering:	Support(-S)
Audio Sampling Rate:	8 kHz/16 kHz/32 kHz/44.1 kHz/48 kHz

Smart Feature-set

Behavior Analysis:	Line crossing detection, intrusion detection
Line Crossing Detection:	Cross a pre-defined virtual line
Intrusion Detection:	Enter and loiter in a pre-defined virtual region
Recognition:	Face Detection

General

Operating Conditions:	-30 °C ~ 60 °C (-22 °F ~ 140 °F) Humidity 95% or less (non-condensing)
Power Supply:	12 VDC ± 25%, PoE (802.3af Class3)
Power Consumption:	12 VDC, 0.5A, max. 6W PoE (802.3af, 37V to 57V), 0.2A to 0.1A, max. 7.5W
Weather Proof:	IP67
IR Range:	Up to 30m
Dimensions:	Camera: Φ 111 × 82.4 mm (Φ 4.4" × 3.2") Package: 134 × 134 × 108 mm (5.27" × 5.27" × 4.25")
Weight:	Camera: Approx. 610 g (1.3 lb.) With Package: Approx. 820 g (1.8 lb.)