



## Camera

<b>Image Sensor:</b>	1/2.9" Progressive Scan CMOS
<b>Signal System:</b>	PAL/NTSC
<b>Min. Illumination:</b>	Color: 0.01 Lux @ (F1.2, AGC ON), 0.028 Lux @ (F2.0, AGC ON), 0 Lux with IR
<b>Shutter time:</b>	1/3 s to 1/100,000 s
<b>Slow shutter:</b>	Support
<b>Lens:</b>	2.8 mm, horizontal FOV: 97°, vertical FOV: 63°, diagonal FOV: 120° 4 mm, horizontal FOV: 78°, vertical FOV: 50°, diagonal FOV: 97° 6 mm, horizontal FOV: 60°, vertical FOV: 39°, diagonal FOV: 75° 8 mm, horizontal FOV: 39.5°, vertical FOV: 26°, diagonal FOV: 48°
<b>Lens Mount:</b>	M12
<b>Adjustment Range:</b>	Pan: 0° to 360°, tilt: 0° to 100°, rotate: 0° to 360°
<b>Day&amp; Night:</b>	IR cut filter with auto switch
<b>Wide Dynamic Range:</b>	120 dB
<b>Digital noise reduction:</b>	3D DNR
<b>Focus:</b>	Fixed

## Compression Standard

<b>Video Compression:</b>	H.265+/H.265/H.264+/H.264/MJPEG
<b>Video bit rate:</b>	256Kbps~16Mbps
<b>Triple Streams:</b>	Yes

## Image

<b>Max. Image Resolution:</b>	3072 x 2048
<b>Sub Stream:</b>	50Hz: 25fps (640 x 480, 640 x 360, 320 x 240) 60Hz: 30fps (640 x 480, 640 x 360, 320 x 240)
<b>Frame Rate:</b>	50Hz: 20 fps (3072 x 2048, 3072 x 1728, 2944 x 1656), 25 fps (2560 x 1440, 1920 x 1080, 1280 x 720) 60Hz: 20 fps (3072 x 2048, 3072 x 1728, 2944 x 1656), 30fps (2560 x 1440, 1920 x 1080, 1280 x 720)
<b>Third Stream:</b>	50Hz: 25fps (1280 x 720, 640 x 360, 352 x 288) 60Hz: 30fps (1280 x 720, 640 x 360, 352 x 240)
<b>Image Enhancement:</b>	BLC/3D DNR/ROI/HLC
<b>Image Settings:</b>	Rotate mode, saturation, brightness, contrast, sharpness and white balance adjustable by client software or web browser
<b>Target Cropping:</b>	No
<b>ROI:</b>	1 fixed region for main stream and sub-stream
<b>Day/Night Switch:</b>	Day/Night/Auto/Schedule

## Network



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

## Interface

<b>Communication Interface:</b>	1 RJ45 10M / 100M Ethernet interface
<b>On-board storage:</b>	Built-in Micro SD/SDHC/SDXC slot, up to 128 GB
<b>Reset Button:</b>	Yes

## Smart Feature-set

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

## General

<b>Operating Conditions:</b>	-30 °C ~ 60 °C (-22 °F ~ 140 °F) Humidity 95% or less (non-condensing)
<b>Power Supply:</b>	12 VDC ± 25%, PoE (802.3af Class3)
<b>Power Consumption:</b>	I5: 12 VDC, 0.6 A, max. 7W PoE: (802.3af, 36V to 57V), 0.3 A to 0.2 A, max. 8.5W I8: 12 VDC, 0.9 A, max. 10W PoE: (802.3af, 36V to 57V), 0.4 A to 0.2 A, max. 12W
<b>Weather Proof:</b>	IP67
<b>IR Range:</b>	-I5: up to 50 m; -I8: up to 80 m
<b>Dimensions:</b>	Camera: Φ 104.8 × 299.7 mm (Φ 4.1" × 11.8") Package: 386 × 156 × 155 mm (15.2" × 6.1" × 6.1")
<b>Weight:</b>	Camera: 1200 g (2.7 lb.)