

## Video

Imaging Device	1/2.9" 2MP CMOS
Effective Pixels	1984(H)x1105(V)
Min. Illumination	Color: 0.095Lux(F1.6, 1/30sec) BW : 0Lux (IR LED on)

## Lens

Focal Length (Zoom Ratio)	3.2~10mm(3.1x) manual varifocal
Max. Aperture Ratio	F1.6(Wide)~F2.9(Tele)
Angular Field of View	H: 101.6°(Wide)~31.3°(Tele) / V: 54.1°(Wide)~17.8°(Tele) / D: 120.6°(Wide)~36.0°(Tele)
Min. Object Distance	0.5m(1.64ft)
Focus Control	Manual
Lens Type	DC auto iris

## Operational

IR Viewable Length	30m(98.43ft)
Camera Title	Displayed up to 15 characters
Day & Night	Auto(ICR)
Backlight Compensation	BLC, WDR, SDDR
Wide Dynamic Range	120dB
Digital Noise Reduction	SSNR
Motion Detection	4ea, 8 point polygonal zones
Privacy Masking	6ea, rectangular zones
Gain Control	Support
White Balance	ATW / AWC / Manual / Indoor / Outdoor
LDC	Low / Middle / High
Electronic Shutter Speed	Minimum / Maximum / Anti flicker
Video Rotation	Flip, Mirror, Hallway view(90°/270°)
Analytics	Motion detection, Tampering
Alarm Triggers	Analytics
Alarm Events	File upload via FTP and e-mail Notification via e-mail SD/SDHC recording at event triggers

## Network

Ethernet	RJ-45(10/100BASE-T)
Video Compression	H.264: Main/Baseline/High, MJPEG
Resolution	1920x1080, 1280x1024, 1280x960, 1280x720, 1024x768, 800x600, 800x448, 720x576, 640x480, 640x360, 320x240
Max. Framerate	H.264: Max. 30fps/25fps(60Hz/50Hz) MJPEG : Max. 1fps at 1920x1080, 1280x1024, 1280x720, 1024x768, Max. 15fps at other resolution
Smart Codec	WiseStream II
Bitrate Control	H.264: CBR or VBR MJPEG: VBR
Streaming	Unicast(6 users) / Multicast Multiple streaming (Up to 3 profiles)
Protocol	IPv4, IPv6, TCP/IP, UDP/IP, RTP(UDP), RTP(TCP), RTCP, RTSP, NTP, HTTP, HTTPS, SSL/TLS, DHCP, FTP, SMTP, ICMP, IGMP, SNMPv1/v2c/v3(MIB-2), ARP, DNS, DDNS, QoS, UPnP, Bonjour
Security	HTTPS(SSL) Login Authentication Digest Login Authentication IP Address Filtering User access log 802.1X Authentication(EAP-TLS, EAP-LEAP)
Edge Storage	Micro SD/SDHC 1slot 32GB
Application Programming Interface	ONVIF Profile S/G SUNAPI(HTTP API)
Web Viewer	Supported OS: Windows 7, 8.1, 10, Mac OS X 10.10, 10.11, 10.12 Recommended Browser: Google Chrome Supported Browser: MS Explore11, MS Edge, Mozilla Firefox(Window 64bit only), Apple Safari(Mac OS X only)
Memory	256MB RAM, 256MB Flash

## Environmental

Operating Temperature / Humidity	-30°C ~ +55°C(-22°F ~ +131°F) / Less than 90% RH * Start up should be done at above -20°C
Storage Temperature / Humidity	-30°C ~ +60°C(-22°F ~ +131°F) / Less than 90% RH
Certification	IP66

## Electrical

Input Voltage	PoE(IEEE802.3af, Class3)
Power Consumption	Max 6.50W

## Mechanical

Color / Material	Dark gray / Plastic
Product dimensions / weight	Ø78.0xH262.0mm(Ø3.07xH10.32"), 380g(0.84 lb)