

Video	
Imaging Device	1/1.9" 2MP CMOS
Effective Pixels	1937(H)x1097(V)
Min. Illumination	Color: 0.05Lux(F1.5, 1/30sec) BW: 0Lux(IR LED on)
Video Out	CVBS: 1.0 Vp-p / 75Ω composite, 720x480(N), 720x576(P) for installation

Lens	
Focal Length (Zoom Ratio)	6~222mm(37x) zoom
Max. Aperture Ratio	F1.5(Wide)~F4.6(Tele)
Angular Field of View	H: 59.3°(Wide)~1.9°(Tele) / V: 35.8°(Wide)~1.1°(Tele)
Min. Object Distance	1.5m(3.28ft)
Focus Control	Oneshot AF
Lens Type	DC auto iris

Pan / Tilt / Rotate	
Pan Range	360° Endless
Pan Speed	Preset: 400°/sec, Manual: 0.024°/sec~250°/sec
Tilt Range	190°(-5°~185°)
Tilt Speed	Preset: 300°/sec, Manual: 0.024°/sec~250°/sec
Sequence	Preset(300ea), Swing, Group(6ea), Trace, Tour, Auto Run, Schedule
Preset Accuracy	±0.2°
Azimuth	Support
Auto Tracking	Support

Operational	
IR Viewable Length	350m(1148.29ft)
Camera Title	Displayed up to 85 characters
Day & Night	Auto(ICR)
Backlight Compensation	BLC, WDR, SSSDR
Wide Dynamic Range	120dB
Digital Noise Reduction	SSNR
Digital Image Stabilization	Support
Defog	Support
Motion Detection	4ea, 8point polygonal zones
Privacy Masking	16ea, rectangular zones - Color: Grey/Green/Red/Blue/Black/White
Gain Control	Low / Middle / High
White Balance	ATW / AWC / Manual / Indoor / Outdoor
Electronic Shutter Speed	Minimum / Maximum / Anti flicker (2~1/12,000sec)
Video Rotation	Flip, Mirror
Analytics	Motion detection, Appear/Disappear, Enter/Exit, Tampering, Virtual line, Audio detection
Serial Interface	RS-485(Samsung-T, Pelco-D/P, Panasonic, Bosch, AD, GE, Vicon, Honeywell)
Alarm I/O	Input 4ea / Output 2ea
Alarm Triggers	Analytics, Network disconnect, Alarm input
Alarm Events	File upload via FTP and e-mail Notification via e-mail SD/SDHC/SDXC or NAS recording at event triggers Alarm output PTZ Preset
Audio In	Selectable(mic in/line in) Supply voltage: 2.5VDC(4mA), Input impedance: 2K Ohm
Audio Out	Line out, Max.output level: 1Vrms

Network	
Ethernet	RJ-45(10/100BASE-T), SFP(Optional)
Video Compression	H.265/H.264: Main/Baseline/High, MJPEG
Resolution	1920x1080, 1280x1024, 1280x960, 1280x720, 1024x768, 800x600, 800x448, 720x576, 720x480, 640x480, 640x360, 320x240
Max. Framerate	H.265/H.264: Max. 60fps/50fps(60Hz/50Hz) MJPEG: Max. 15fps/15fps(60Hz/50Hz)
Smart Codec	Manual(5ea area), WiseStream I
Bitrate Control	H.264/H.265: CBR or VBR MJPEG: VBR
Streaming	Unicast(15 users) / Multicast Multiple streaming(Up to 3 profiles)
Audio Compression	G.711 u-law /G.726 Selectable G.726(ADPCM) 8KHz, G.711 8KHz G.726: 16Kbps, 24Kbps, 32Kbps, 40Kbps AAC-LC: 48Kbps at 16KHz
Protocol	IPv4, IPv6, TCP/IP, UDP/IP, RTP(UDP), RTP(TCP), RTCP,RTSP, NTP, HTTP, HTTPS, SSL/TLS, DHCP, FTP, SMTP, ICMP, ARP, DNS, DDNS, QoS, PIM-SM, 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/SDXC 1slot 128GB
Application Programming	ONVIF Profile S/G SUNAPI(HTTP API)

Environmental	
Operating Temperature / Humidity	-50°C~+55°C (-122°F~+131°F) / Less than 90% RH
Storage Temperature / Humidity	-50°C~+60°C (-122°F~+140°F) / Less than 90% RH
Certification	IP66, IK10

Electrical	
Input Voltage	24VAC
Power Consumption	24VAC: Max 90W

Mechanical	
Color / Material	Body: Ivory / Plastic, Head: Black / Plastic
Product dimensions / weight	Ø236.9x407.7mm(9.33x16.05"), 7.1Kg(15.65 lb)