

| Video | |
|-----------------------------------|---|
| Imaging Device | 1/2.8" 2MP CMOS: each CH |
| Effective Pixels | 1945(H)x1097(V): each CH |
| Min. Illumination | Color: 0.04lux(F2.2, 1/30sec) BW: 0.004lux(F2.2, 1/30sec) |
| Lens | |
| Focal Length (Zoom Ratio) | 3~6mm(2x) motorized varifocal |
| Max. Aperture Ratio | F2.2(Wide)-F3.1(Tele) |
| Angular Field of View | H: 107°(Wide)~56.3°(Tele) / V: 57°(Wide)~31.5°(Tele) / D: 126°(Wide)~64.3°(Tele) |
| Min. Object Distance | 0.5m(1.64ft) |
| Focus Control | Simple focus |
| Lens Type | DC auto iris |
| Pan / Tilt / Rotate | |
| Pan / Tilt / Rotate Range | Remote adjustment (Max. 200cycles) 0~360° / 0~73° / 0~90° |
| Operational | |
| Camera Title | Displayed up to 85 characters |
| Day & Night | Auto(ICR) |
| Backlight Compensation | BLC, HLC, WDR, SDDR |
| Wide Dynamic Range | 120dB |
| Digital Noise Reduction | SSNR V |
| Digital Image Stabilization | Support |
| Defog | Support |
| Motion Detection | 8ea, 8point polygonal zones |
| Privacy Masking | 32ea, polygonal zones - Color: Grey, Green, Red, Blue, Black, White - Mosaic |
| Gain Control | Low / Middle / High |
| White Balance | ATW / AWC / Manual / Indoor / Outdoor |
| LDC | Support |
| Electronic Shutter Speed | Minimum / Maximum / Anti flicker (2~1/12,000sec) |
| Video Rotation | Flip, Mirror, Hallway view(90°/270°) |
| Analytics | Defocus detection, Directional detection, Fog detection, Face detection, Motion detection, Appear/Disappear, Enter/Exit, Loitering, Tampering, Virtual line, Audio detection |
| Alarm I/O | Input 1ea / Output 1ea |
| Alarm Triggers | Analytics, Network disconnect, Alarm input |
| Alarm Events | File upload via FTP and e-mail Notification via e-mail SD/SDHC/SDXC at event triggers Alarm output Handover |
| 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(10/100/1000BASE-T) |
| 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. 30fps/25fps(60Hz/50Hz) |
| Smart Codec | Manual(5ea area), WiseStream II |
| Bitrate Control | H.264/H.265: CBR or VBR MJPEG: VBR |
| Streaming | Unicast(10 users) / Multicast Multiple streaming(Up to 10 profiles) |
| Audio Compression | G.711 u-law /G.726 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, IGMP, SNMPv1/v2c/v3(MIB-2), ARP, DNS, DDNS, QoS, PIM-SM, UPnP, Bonjour, LLDP |
| 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 4slot 256GB(Each CH) |
| Application Programming Interface | ONVIF Profile S/T SUNAPI(HTTP API) Wisenet open platform |
| Web Viewer | Supported OS: Windows 7, 8.1, 10, Mac OS X 10.13 Recommended Browser: Google Chrome Supported Browser: MS Explore11, MS Edge, Mozilla Firefox(Window 64bit only), Apple Safari(Mac OS X only) |
| Memory | 5GB RAM, 1280MB Flash |
| Environmental | |
| Operating Temperature / Humidity | -40°C~+55°C(-40°F~+131°F) / Less than 90% RH *Start up should be above at -35°C |
| Storage Temperature / Humidity | -50°C~+60°C(-58°F~+140°F) / Less than 90% RH |
| Certification | IP66, IK10, NEMA4X |
| Electrical | |
| Input Voltage | HPoE |
| Power Consumption | Max. 33W, Typical 20W |
| Mechanical | |
| Color / Material | White / Aluminum |
| RAL Code | RAL9003 |
| Product dimensions / weight | ∅ 251x116.5mm / 3Kg |