



Network

PTZ

XNP-6400RW

2MP 40x IR PTZ with built-in wiper



Key Features

- Max. 2MP resolution
- 4.25~170mm(40x) zoom (digital 32x, total 1280x zoom)
- Max. IR viewable length 200m
- Day & Night(ICR), extreme WDR, DIS(Built-in gyro sensor)
- Intelligent Analytics, Object auto tracking(Person/Vehicle), Target lock tracking
- H.264, H.265, MJPEG codec, WiseStreamII
- IP66, IK10, NEMA4X, NEMA-TS 2(2.2.8, 2.2.9)
- PTZ PLUS Design applied(Compact, Lighter, Simple cabling)
- SFP-supported by injector

Compatible Devices



SBP-300LMW



SBP-156HMW



SBP-300WMW1



SBP-156LMW



SBP-300KMW



SBP-300BW



SBP-300PMW



SBP-156WMW



SBP-300WMW



SBP-156KMW



SBP-156CMW



SBP-300CMW

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Specifications

| Video | | |
|-------------------------------|---|------------------------|
| Imaging Device | Size | 1/2.8" |
| | Type | CMOS |
| Resolution | 1920x1080, 1280x1024, 1280x960, 1280x720, 1024x768, 800x600, 800x448, 720x576, 720x480, 640x480, 640x360, 320x240 | |
| Max. Framerate | H.265/H.264 | 60fps/50fps(60Hz/50Hz) |
| | MJPEG | 30fps |
| Min. Illumination (Lux) | Color(1/30sec, 30IRE) | 0.05 |
| | BW(1/30sec, 30IRE) | 0.005 |
| Lens | | |
| Focal Length (mm) | 4.25~170 | |
| Zoom Ratio | Optical | 40x |
| | Digital | 32x |
| Max Aperture Ratio (F number) | Wide | 1.6 |
| | Tele | 4.95 |
| Angular Field of View | Horizontal | 65.66°~1.88° |
| | Vertical | 39.4°~1.09° |
| Min. Object Distance | 3m(9.84ft) | |
| Focus Control | Oneshot AF, Focus save | |
| Lens Type | DC auto iris | |
| Pan / Tilt / Rotate | | |
| Pan / Tilt / Rotate Range | Pan | 360° Endless |
| | Tilt | 90°~20° |
| Pan Speed | Preset | Max. 500°/sec |
| | Manual | 0.024°/sec~250°/sec |
| Tilt Speed | Preset | Max. 350°/sec |
| | Manual | 0.024°/sec~250°/sec |
| Sequence | Preset(300ea), Swing, Group(6ea), Trace, Tour, Auto Run, Schedule | |
| Preset Accuracy | Up to ±0.1°, Pan/Tilt correction | |

Operational

| | | |
|--|----------------|--|
| Direction Indicator | | Support |
| Day & Night | | Auto(ICR) |
| Backlight Compensation | | BLC, HLC, WDR, SSSR |
| Wide Dynamic Range (dB) | | 150 |
| Digital Noise Reduction | | SSNR V |
| Digital Image Stabilization | | Support(built-in gyro sensor) |
| Defog | | Support |
| Motion Detection | Quantity | 8ea |
| | Shape | 8point Polygonal zones |
| Privacy Masking | Quantity | 32ea |
| | Shape | 4point Quadrangle zones |
| | Color / Option | Gray, Green, Red, Blue, Black, White, Mosaic |
| Gain Control | | Max gain, Manual |
| White Balance | | ATW, NarrowATW, AWC, Manual, Indoor, Outdoor, Mercury, Sodium |
| Electronic Shutter | Mode | Minimum, Maximum, Anti flicker |
| | Speed Range | 2~1/12,000sec |
| Digital PTZ | | Support |
| Video Rotation | | Flip&Mirror |
| Alarm Interface | Others | Support alarm I/O via optional I/O box |
| Alarm Triggers | | Analytics, Network disconnect |
| Alarm Events When Alarm Trigger Occurred | | File upload(image): e-mail/FTP/SFTP, File upload(video clip): FTP/SFTP, Notification: e-mail, Recording: SD/SDHC/SDXC or NAS recording at event triggers,Alarm output, Handover: PTZ preset,send message by HTTP/HTTPS/TCP,Audio clip playback, MQTT: publication |
| Audio In | | Support via optional I/O box |
| Audio Out | | Support via optional I/O box |
| Light Type | | IR LED |
| Light Viewable Length | IR | Wise IR 200m(656.17ft) |
| IR Wavelength | | 850nm |
| Water Removal | | Support(with Wiper, Lens heater) |
| Auto Tracking | | Support, Object auto tracking(Person/Vehicle), Target lock tracking |

Analytics

| | | |
|------------------|--------|--|
| Analytics Events | Normal | Motion detection, Tampering, Fog detection, Face detection, Audio detection, Sound classification, Shock detection, Virtual area(Lotering, Intrusion, Enter/Exit, Appear/Disappear), Virtual line(Crossing, Direction) |
|------------------|--------|--|

Network

| | | |
|-----------------------------------|--------------------|---|
| Ethernet | | Metal shielded RJ-45(10/100BASE-T) |
| Video Compression | | H.265/H.264: Main/Baseline/High, MJPEG |
| Smart Codec | | Manual, WiseStream II |
| Bitrate Control | | H.265/H.264: CBR or VBR, MJPEG: VBR |
| Streaming | Unicast | Up to 20 users |
| | Multicast | Support |
| | Multiple Streaming | Up to 10 profiles |
| Protocol | | IPv4, IPv6, TCP/IP, UDP/IP, RTP(UDP), RTP(TCP), RTCP, RTSP, NTP, HTTP, HTTPS, SSL/TLS, DHCP, FTP, SFTP, SMTP, ICMP, IGMP, SNMPv1/v2c/v3(MIB-2), ARP, DNS, DDNS, QoS, UPnP, Bonjour, LLDP, CDP, SRTP(TCP, UDP Unicast), MQTT, NTCIP 1205 |
| Application Programming Interface | ONVIF | S, G, T |
| | Others | SUNAPI(HTTP API), Hanwha Vision Open Platform |
| Direct Cloud Connection | | Support |

Security

| | | |
|------------------------|--|---|
| OS / Firmware Protect | | Encrypted firmware, Secure boot, Signed firmware |
| User authentication | | Digest authentication, Prevent brute-force attack |
| Network authentication | | IEEE 802.1X(EAP-TLS, EAP-LEAP, EAP-PEAP, MSCHAPv2) |
| Secure Communication | | HTTPS, WSS(WebSocket Secure), SRTP |
| Access Control | | IP-based access control |
| Data Protect | | Encryption credentials, Encrypt compress for live recording file export |
| Audit | | Access / System / Event Log management |
| Device ID | | Device certificate(Hanwha Vision Root CA) |
| Secure Storage | | HTPM(Hanwha Trusted Platform Module), SDcard partition encrypt(AES-256) |
| Security Certificate | | CyberSecurity assurance program UL CAP(UL 2900-2-3 L2) |

General

| | | |
|--------------|--------------------|-------------------------------|
| Memory | RAM | 4GB |
| | Flash | 512MB |
| Edge Storage | Micro SD/SDHC/SDXC | Max. 512GB x 2slot(Total 1TB) |

Environmental & Electrical

| | | |
|---------------------|-------------|--|
| Operating Condition | Temperature | -40°C~+55°C(-40°F~+131°F) |
| | Humidity | 0~100% RH(condensing) |
| | Others | +74°C(+165°F)(Max) based on NEMA-TS 2(2.2.7), Start up should be done at above -30°C, Humidity control with AIR vent |
| Storage Condition | Temperature | -50°C~+60°C(-58°F~+140°F) |
| | Humidity | 0~90% RH(non-condensing) |
| Input Voltage | | PoE++(IEEE802.3bt type3, Class6) |

Environmental & Electrical

| | | |
|-------------------|-----|-----------------------|
| Power Consumption | PoE | Max. 42W, Typical 20W |
|-------------------|-----|-----------------------|

Mechanical

| | | |
|--------------------|-----------------------------|--|
| Color | White, Black | |
| Material | Aluminum, PC(Polycarbonate) | |
| RAL Code | RAL9003, RAL9005 | |
| Product Dimensions | ø184.9x318.8mm(7.28x12.55") | |
| Product Weight | 5400g(11.90lb) | |

DORI (EN62676-4 standard)

| | | |
|---------------------------|------|-------------------|
| Detect (25PPM/ 8PPF) | Wide | 59.5m(195.3ft) |
| | Tele | 2340.4m(7678.4ft) |
| Observe (63PPM/ 19PPF) | Wide | 23.8m(78.1ft) |
| | Tele | 936.2m(3071.4ft) |
| Recognize (125PPM/ 38PPF) | Wide | 11.9m(39.1ft) |
| | Tele | 468.1m(1535.7ft) |
| Identify (250PPM/ 76PPF) | Wide | 6.0m(19.5ft) |
| | Tele | 234.0m(767.8ft) |

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CAD

Unit: mm [inch]

