



Network

Dome

XNV-6085

2M H.265 Camera (extraLUX)



Key Features

- Max. 2Megapixel (1920 x 1080) resolution
- 4.1 ~ 16.4mm (4x) motorized varifocal lens
- 0.004 Lux@F0.94 (Color), 0.0004 Lux@F0.94 (B/W)
- Max. 60fps@all resoluotons (H.265 / H.264)
- H.265, H.264, MJPEG codec Supported, Multiple streaming
- Day & Night (ICR), WDR (150dB), Defog
- IVA, Motion detection, Handover
- SD / SDHC / SDXC memory slot (Max. 512GB)
- Hallway View, WiseStreamII Support
- IP67 / IP66, NEMA 4X, IK10 support
- Remote controlled PTRZ (PAN / TILT / ROTATE / ZOOM) maximizes angle adjustment convenience

Compatible Devices



SBP-300HM6



SBP-300CM



SBV-158G



SBP-300PM



SBP-300KM



SBP-300WM1



SPB-VAN81



SBP-300LM



SBP-390WM2



SBP-300WM



SBP-300B



SHD-1600FPW



SBP-160TM



SHP-1680FW

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Specifications

| Video | | |
|-------------------------|---|------------------------|
| Imaging Device | Size | 1/2" |
| | 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) | 0.004 |
| | BW(1/30sec, 30IRE) | 0.0004 |
| Video Out | CVBS: 1.0 Vp-p / 75Ω composite for installation, USB: Micro USB Type B | |

| Lens | | |
|-------------------------------|----------------------|--------------|
| Focal Length (mm) | 4.1~16.4 | |
| Zoom Ratio | Optical | 4x |
| Max Aperture Ratio (F number) | Wide | 0.94 |
| | Tele | 2.4 |
| Angular Field of View | Horizontal | 100.0°~26.2° |
| | Vertical | 54°~14.8° |
| | Diagonal | 116.0°~30.0° |
| Min. Object Distance | 0.7m(2.30ft) | |
| Focus Control | Simple focus, Manual | |
| Lens Type | DC auto iris | |

| Pan / Tilt / Rotate | | |
|---------------------------|--------|-----------------------------------|
| Pan / Tilt / Rotate Range | Pan | -175°~175° |
| | Tilt | -73°~73° |
| | Rotate | -175°~175° |
| | Others | Remote adjustment(Max. 200cycles) |

| Operational | | |
|-------------|-----------|--|
| Day & Night | Auto(ICR) | |

Operational

| | | |
|---|----------------|---|
| Backlight Compensation | | BLC, HLC, WDR, SSSDR |
| Wide Dynamic Range (dB) | | 150 |
| Digital Noise Reduction | | SSNR V |
| Digital Image Stabilization | | Support |
| Defog | | Support |
| Motion Detection | Quantity | 8ea |
| | Shape | 8point Polygonal zones |
| Privacy Masking | Quantity | 32ea |
| | Shape | Polygonal zones |
| | Color / Option | Gray, Green, Red, Blue, Black, White, Mosaic |
| Gain Control | | Low, Middle, High |
| White Balance | | ATW, AWC, Manual, Indoor, Outdoor |
| LDC | | Support |
| Electronic Shutter | Mode | Minimum, Maximum, Anti flicker |
| | Speed Range | 2~1/12,000sec |
| Video Rotation | | Flip, Mirror, Hallway view(90°/270°) |
| Alarm Interface | In/Out | Input 1ea, Output 1ea |
| Alarm Triggers | | Analytics, Network disconnect, Alarm input |
| Alarm Events When Alarm Trigger Occurred | | File upload(image): e-mail/FTP, 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 In | | Selectable(mic in/line in) |
| Audio Out | | Line out |

Analytics

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

Network

| | |
|--------------------------|---|
| Ethernet | RJ-45(10/100BASE-T) |
| Video Compression | H.265/H.264: Main/Baseline/High, MJPEG |
| 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 |
| Smart Codec | Manual, WiseStream II |
| Bitrate Control | H.265/H.264: CBR or VBR, MJPEG: VBR |

Network

| | | |
|-----------------------------------|--------------------|--|
| 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, SMTP, ICMP, IGMP, SNMPv1/v2c/v3(MIB-2), ARP, DNS, DDNS, QoS, UPnP, Bonjour, LLDP, SRTP(TCP, UDP Unicast), PIM-SM |
| Application Programming Interface | ONVIF | S, G, T |
| | Others | SUNAPI(HTTP API), Hanwha Vision Open Platform |
| Direct Cloud Connection | | Optional (needs gateway) |

Security

| | | |
|------------------------|---|--|
| OS / Firmware Protect | Encrypted firmware, Secure boot, Signed firmware | |
| User authentication | Digest authentication | |
| Network authentication | IEEE 802.1X(EAP-TLS, EAP-LEAP) | |
| 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 | |
| Secure Storage | SDcard partition encrypt(AES-256) | |

General

| | | |
|--------------|--------------------|-------------------------------|
| Memory | RAM | 1GB |
| | Flash | 256MB |
| 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 | 0~90% RH(non-condensing) |
| | Others | Start up should be done at above -35°C |
| Storage Condition | Temperature | -40°C~+60°C(-40°F~+140°F) |
| | Humidity | 0~90% RH(non-condensing) |
| Input Voltage | | PoE(IEEE802.3af, Class3), 24VAC, 12VDC |
| Power Consumption | PoE | Max 12.1W |
| | 12VDC | Max. 11.1W |
| | 24VAC | Max. 13.5W |

Mechanical

| | |
|----------|----------|
| Color | Ivory |
| Material | Aluminum |

Mechanical

| | |
|--------------------|--------------------------|
| Product Dimensions | ø160x140.0mm(6.30x5.51") |
| Product Weight | 1,400g(3.09lb) |

Certifications & Standards

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|-------------|--|
| Environment | IEC 60529 IP66, IEC 60529 IP67, IEC 62262 IK10, NEMA 250 type 4X |
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CAD

Unit: mm [inch]

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