# V6812IR-H0265SX-Y

## HD 2MP INTELLIGENT STARLIGHT WDR IR IP MINIDOME CAMERA

**Infinova®**



| 2.0 2.0 Mega Pixels | H.265 M–JPEG | H.264 M–JPEG | Day & Night | WDR Wide Dynamic Range | Three Video Streams |
| ONVIF | http:// Web Server | PoE | IP66 IP66 | SVC | |
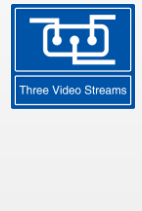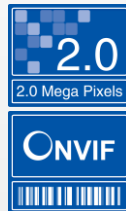
# FEATURES

- 1/2.9" CMOS sensor
- IR-Cut Removable (ICR) Filter for Day/Night switching
- IR illumination distance up to 30m
- Applied with Smart-IR technology to adjust the light power according to ambient lighting conditions
- Support multi-frame integrated WDR, with a range up to 120dB
- Support H.265/H.264/M-JPEG/SVC encoding
- High-resolution image signal output: 1920×1080@30fps
- Smart H.265/Smart H.264 applied for better utilization of broadband resources
- Support vivid smart analysis functions such as General Intelligence, Density Monitoring, Counting Application, Behaviour Analysis, Object abandoned detection
- Local PC recording
- Onvif Profile S/G & T compliant
- Support multiple ways to trigger alarms, such as smart analysis, network disconnection and heartbeat loss
- Support flexible alarm associated settings: like email, image upload via FTP, image upload via HTTP and alarm info push
- Up to 8 ROI (Region of Interest) areas
- Up to 4 definable privacy mask areas
- Support corridor mode

- Support simultaneous access and parameter setting via Web Server from multiple clients
- Standard SDK is provided for easy integration with other video surveillance software
- Support three-axis rotation for flexible adjustment of surveillance direction
- Support surface mounting
- Powered by PoE/12VDC
- IP66 environmental rating

# DESCRIPTION

Infinova V6812IR-H0265 series HD 2MP Intelligent Starlight WDR IR IP Minidome Camera applies 1/2.9" CMOS sensor with built-in HD fixed-focus lens (optional with 2.8mm/4mm/6mm). The built-in IR lights cover an illumination distance up to 30m and the power can be adjusted according to ambient lighting conditions with results of power assumption reduced and service life extended.

With H.265/H.264/M-JPEG/SVC encoding, the camera outputs high-definition images with resolution up to 1080P@30fps, which can provide marvelous definition, color restoration and accurate details.

With self-developed deep learning algorithms, the camera is endowed with vivid smart functions such as video anomaly detection, face detection, counting, crowd density detection, and behavior analysis, catering for various high-end requests.

The camera is compact in design and convenient for installation. It supports three-axis rotation for flexible adjustment of surveillance direction.

The camera can be widely used in ordinary buildings, supermarkets, hotels, shops, parks, schools, factories, warehouses, underground parking and other occasions with low light condition but requiring high-quality images.

# TECHNICAL SPECIFICATIONS

| Lens (Visible) | |
|---|---|
| Image Sensor | 1/2.9" progressive scan CMOS |
| Optical Zoom | - |
| Digital Zoom | - |
| Focal Length | f=2.8mm, 4mm, 6mm |
| Iris | F2.0 |
| Focus | Fixed |
| FOV(H/V/D) | f=2.8mm- H:102.4°; V:54.9°; D:121.3°<br>f=4mm- H:88°; V:47°; D:106°<br>f=6mm- H:51.2°; V:28.6°; D:59° |
| Lens Mount | M12 |
| **Lens (Thermal)** | |
| Imager Type | - |
| Lens Type | - |
| Spectral Band | - |
| Pixel Size | - |
| NETD | - |
| Focal Length | - |
| FOV | - |
| **Video** | |
| Camera Resolution (Visible Lens) | 2MP |
| Camera Resolution (Thermal Lens) | - |
| Max. Coding Capacity (Visible Lens) | Major stream: H.264/H.265-30fps@1920x1080<br>Minor stream: H.264/H.265-30fps@1280x720<br>Third stream: M-JPEG -30fps@1920×1080 |
| Max. Coding Capacity (Thermal Lens) | - |
| Data Rate | VBR/CBR<br>Major stream: 128Kbps~10240Kbps<br>Minor stream: 128Kbps~4096Kbps |
| Video Compression | H.265 /H.264/M-JPEG/SVC independent coding |
| Multi-Streaming | Three-stream independent output |
| Video Rotation | Video can be rotated by 90°, 180° or 270° |
| **Audio** | |
| Audio Compression | G.711-A/ G.711-U/ AAC |

| Sample Rate | 8KHz (for G.711-U/G.711-A),<br>16KHz, 32KHz, 44.1KHz and 48KHz (for AAC) |
|---|---|
| Audio Interface | 1 input, Linear level |
| Two-way Audio | Supported |
| Mic & Speaker | - |
| **Image** | |
| Shutter | Auto/Manual (1/1s~1/32,000s) |
| WDR | Up to 120dB |
| Exposure | Auto/Manual/Shutter |
| Sensitivity | Color mode: 0.01lux@ F2.0 (AGC ON);<br>B/W mode: 0.001lux@ F2.0 (AGC ON);<br>0 lux (IR ON) |
| White Balance | Auto/Manual/Outdoor |
| Video Adjustment | Brightness, Contrast, Saturation, Hue, Sharpness adjustable |
| Noise Reduction | 3D |
| S/N Ratio | ≥55dB |
| Defog | Available |
| EIS | Available |
| Mirror | Horizontal/Vertical |
| Corridor Mode | Available by video rotation |
| Day/Night Switching | ICR |
| AGC | Auto/Manual, up to 64X |
| BLC | Available |
| HLC | Available |
| Privacy Mask | Up to 4 definable zones |
| ROI | Up to 8 definable zones |
| OSD | Supported |
| **Pan/Tilt Functions** | |
| Preset | - |
| Pattern | - |
| Autopan | - |
| Normal Tour | - |
| Home Return | - |
| Timing Tour | - |
| Autoscan | - |
| Area Zoom | - |
| **IR Illumination** | |
| Smart-IR | Available |
| Wave Length | 850nm |
| Night Vision Distance | 30m |

# TECHNICAL SPECIFICATIONS

**Temperature Measurement**

| | |
|---|---|
| Screening | - |
| Function | - |
| Measurement | - |
| Measurement Distance | - |
| Measurement Range | - |
| Accuracy | - |

**Smart Analytics**

| | |
|---|---|
| Video Analytics | Video Anomaly Detection-Camera tampering, camera shifting, defocus detection, high brightness detection, low brightness detection, video loss detection, color cast detection, and motion detection<br>Behaviour Analysis Detection - Wire crossing detection, intrusion detection, object abandoned detection, object lost detection, loitering detection, crowd detection, fast moving detection, target stop detection, and fall over detection<br>Sound Detection - Abnormal sound detection and fight detection<br>Statistics Detection - Counting, density detection, queue length detection and dwelling detection<br>Intelligent Grouping Detection- Behaviour analysis grouping, face capture grouping.<br>Face capture - Supports face detection, tracking and capturing.<br>Optimum Selection- Supports optimum selection and duplicate removal for captured target images to deliver the best-quality images.<br>Face Exposure - Available<br>Face attributes - gender, glasses, eyes open, mask, mouth open |

**Storage**

| | |
|---|---|
| Storage Slots | - |
| Built-in Storage | - |
| NAS Storage | - |
| Local PC Recording | Available |

**Alarm**

| | |
|---|---|
| Alarm Ports | 2 alarm inputs, 1 on-off output |
| Alarm Input | Intelligent detection |
| Alarm Association | Email, image upload via FTP, image upload via HTTP and alarm info push |

**System Functions**

| | |
|---|---|
| Operating System | Win 7 and higher versions |
| Browser | IE8 and higher versions |
| Access Protocol | ONVIF Profile S/G/T, Infinova CGI |
| Multiple Access | Up to 20-ch simultaneous access |
| Web Server | Available |
| Remote Upgrade | Available |
| Password Protection | Available |
| RS485 Port | - |
| Analog Video Output | - |
| Maximum Number of Users | 64, with 3 types of users available: administrator, normal user, and operator |
| Wiper | - |

**Network**

| | |
|---|---|
| Network Interface | 1 RJ45 10M/ 100M self-adaptive Ethernet port |
| Network Protocols | IPv4/IPv6, TCP, UDP, IGMP, ICMP, IGMPv2/3, DHCP, SNMP (V1, V3), FTP, SMTP, NTP, RTC, RTP, RTSP, RTCP, HTTP, HTTPS, SSL, 802.1x, QoS, PPPoE, DNS, DDNS, ARP, UPnP, IP Filter, TLS, DES, Multicast |
| IP Address Filtering | Available |
| Network Delay | ≤200ms |

**Environmental**

| | |
|---|---|
| Anti-Static | Air discharge: 8KV; contact discharge: 6KV |
| Surge Protection | Difference mode ±1KV, common mode ±2KV |
| Operating Temperature | -40°F~140°F (-40°C~+60°C) |
| Storage Temperature | −4°F~140°F (-20°C~+60°C) |
| Operating Humidity | ≤ 95% RH |
| Environmental Rating | IP66 |
| Impact Resistance | - |

**Mechanical**

| | |
|---|---|
| Manual Speed | - |
| Preset Speed | - |
| Rotation Angle | - |
| Preset Accuracy | - |
| Electric Motor | - |

**Electrical**

| | |
|---|---|
| Power Supply | PoE (IEEE 802.3af Class 2) / 12VDC |
| Power Consumption | <12W |

**Physical**

| | |
|---|---|
| Product Dimension (L×W×H) or (H x D) | 3.35"×4.69" (85mm×Ø119mm) |
| Package Dimension (L x W x H) | 6.65"×6.65"×5.79" (169mm×169mm×147mm) |
| Unit Weight | 1.43lbs. (0.65Kg) |
| Shipping Weight | 1.83lbs. (0.83Kg) |

**Certifications**

| | |
|---|---|
| Product Certifications | CE, FCC, IP66, RoHS |

# ORDERING INFORMATION

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|---|---|
| V6812IR-H0265ST-Y0 | HD IR IP Minidome Camera, 2MP, 1/2.9" CMOS, Day/night, Smart, H.265/H.264/M-JPEG/SVC, 2.8mm lens, IR illumination distance up to 30m, With audio alarm, Indoor, Surface mount, PoE/12VDC |
| V6812IR-H0265ST-Y4 | HD IR IP Minidome Camera, 2MP, 1/2.9" CMOS, Day/night, Smart, H.265/H.264/M-JPEG/SVC, 2.8mm lens, IR illumination distance up to 30m, With audio alarm, Indoor, Surface mount, 12VDC |
| V6812IR-H0265SA-Y0 | HD IR IP Minidome Camera, 2MP, 1/2.9" CMOS, Day/night, Smart, H.265/H.264/M-JPEG/SVC, 4mm lens, IR illumination distance up to 30m, With audio alarm, Indoor, Surface mount, PoE/12VDC |
| V6812IR-H0265SA-Y4 | HD IR IP Minidome Camera, 2MP, 1/2.9" CMOS, Day/night, Smart, H.265/H.264/M-JPEG/SVC, 4mm lens, IR illumination distance up to 30m, With audio alarm, Indoor, Surface mount, 12VDC |
| V6812IR-H0265SB-Y0 | HD IR IP Minidome Camera, 2MP, 1/2.9" CMOS, Day/night, Smart, H.265/H.264/M-JPEG/SVC, 6mm lens, IR illumination distance up to 30m, With audio alarm, Indoor, Surface mount, PoE/12VDC |
| V6812IR-H0265SB-Y4 | HD IR IP Minidome Camera, 2MP, 1/2.9" CMOS, Day/night, Smart, H.265/H.264/M-JPEG/SVC, 6mm lens, IR illumination distance up to 30m, With audio alarm, Indoor, Surface mount, 12VDC |
| | |
| **Accessories** | |
| **Power Supply** | |
| N3921-12D-1 | AC to DC Power Supply, Plug-In, 230VAC, Output 12VDC, 1.5A |
| N3922-30P-2 | Smart POE Injector, 100VAC-240VAC input, 30W output |

# DIMENSIONS



3.35 (85)

Φ4.69(119)
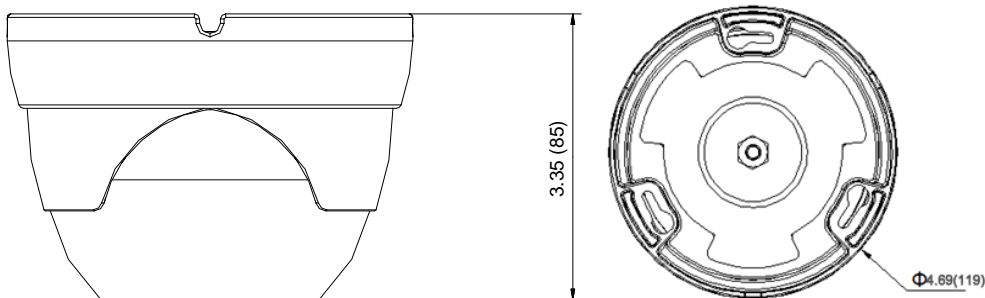
(Unit: inch, in the parentheses is mm)