# *Vandal Resistant, 10X IP Mini PTZ Dome with 360º rotation, MPEG-4/MJPEG Compression*




Surface Mounting




Bracket Mounting



Recessed Mounting

**ORDERING INFORMATION**

See page 28 for more ordering information

Optional Bracket Model

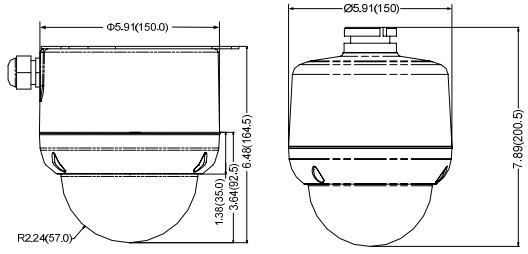
| | |
|---|---|
| V1761MS | Wall mount, 6" horizontal |
| V1762MS | Corner mount, 6" horizontal |
| V1763MS | Pole side mount, 6" horizontal |
| V1764 | Indoor pendant, 15" long vertical |

For detailed information, refer to V1760 series indoor/outdoor dome mounts.

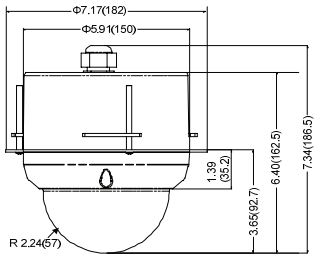
Optional SD card model

| | |
|---|---|
| V3096-4G | SD card, 4G |
| V3096-8G | SD card, 8G |
| V3096-16G | SD card, 16G |

**DIMENSION (Unit: inch, in the parentheses is mm)**




Surface Bracket




Recessed

**DESCRIPTION**

Infinova's V1731N-M series vandal resistant IP mini PTZ dome is compact and light weight with an inner step motor, slip ring, rotation bearing, timing PCB board and transmission gear. The V1731N-M series IP mini PTZ dome features continuous 360° rotation, with super sensitivity, auto focus, auto iris, and backlight compensation. These cameras provide quality images under any lighting conditions. The OSD menu allows for the ease of installation and maintenance.

Infinova's V1731N-M series vandal resistant IP mini PTZ dome deploy advanced video encoding technology, available with both MPEG-4 and MJPEG format. This unique design allows users to select the desired compression format for storage or live view based on the network bandwidth. Bi-directional audio not only enables audible sound in the surveillance field, but also over the intercom. It also features programmable motion detection and an SD card for front information storage. They can automatically record if any alarm occurs, and also support manual recording as well as automatic recording when network anomaly, which ensures the high security of your surveillance system.

**FEATURES**

- 1/4" SONY CCD
- 10X12 zoom available
- MPEG-4/MJPEG dual video compression
- Dual stream encoding
- Bi-directional audio (optional)
- Motion detection function
- Alarm function (optional)
- Supports multiple ways to handle alarms, such as sending an email, FTP upload, audible alarm, SD storage (trigger recording), relay output
- Compatible with TCP/IP, HTTP, ICMP, PPPoE, DHCP, UDP, DNS, DDNS, SMTP, RTP, RTSP, SNMP, ARP protocols
- Supports QoS Settings, providing excellent video transmission and quality service
- Upgrade online
- View and control cameras via Web server, Infinova V2216 and leading Network Video Management software packages
- High-precision drive motor for smooth and quick movement
- 360° continuous pan travel, auto flip vertically
- No surveillance blind area
- Dome address setting via software or DIP switch
- Preset speed at 350°/s for real-time, prompt surveillance
- Ease of installation
- 254 presets
- 4 patterns
- 4 autopans
- 6 tours
- 2 privacy masking modes, 16 video blanking sectors and 24 spherical privacy zones
- Auto flip, autoscan and home position
- Presets can be associated with alarm via signals
- Power failure protection for preset parameters
- Zoom selected area (supported by management software)
- Support remote update
- Surge and lightning protection
- Password protection
- 24VAC/24VDC power supply
- Multiple mounting way for high adaptability

## SPECIFICATIONS

### General

| | |
|---|---|
| Optical zoom: | 10X |
| Digital zoom: | 12X |

### Operation

| | |
|---|---|
| Programmable Presets: | 254 |
| Programmable Patterns: | 4 |
| Programmable Autopan: | 4 |
| Programmable Areas: | 16 |
| Privacy Mask Modes: | 2 |
| Tours: | 6 |
| Home Position: | Yes |
| Autoscan: | Yes |
| Image Mirror: | Yes |
| Menu Language: | English |
| Protocols: | INFINOVA, PELCO-P/D self-adaptable |
| Address Setting: | software or DIP switch |
| Number of Address: | 1~254 |
| Baud Rate: | 2400 / 4800 / 9600 bps selectable |

### Video

| | |
|---|---|
| Compression format: | MPEG-4 / MJPEG |
| Resolution: | |
| Major stream: | D1/2CIF/CIF/QCIF |
| Minor stream: | CIF/QCIF |
| Data transmission: | 128KBit/s ~ 4MBit/s |
| Image dimension: | NTSC: 720*480, 720*240, 352*240,<br>PAL: 720*576, 720*288, 352*288, 176*144 |
| Max. Frame ratio: | PAL: 25fps; NTSC: 30fps |

### Audio (optional)

| | |
|---|---|
| Compression: | G.711 |
| Ports: | 1 input/1 output |

### Network

| | |
|---|---|
| Network protocol: | TCP/IP, HTTP, ICMP, PPPoE, DHCP, UDP, DNS, DDNS, SMTP, RTP, RTSP, SNMP, ARP. |
| Data transmission: | 128 KB/s~4 MB/s |
| Alarm (optional): | 2 alarm inputs, 2 relay outputs |
| Motion Detection Function: | Yes |

### Electrical

| | |
|---|---|
| Input Voltage: | 24 VAC / 24 VDC self- adaptable |
| Power Consumption: | 24 VDC: 16 W<br>24 VAC: 19 W |
| Power Surge Protection: | Yes |

### Synchronization

| | |
|---|---|
| Internal: | Built-in sync generator |

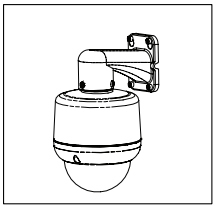
### Mechanical

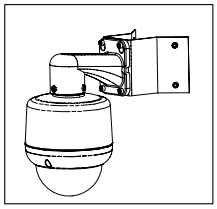
| | |
|---|---|
| Manual Pan Speed: | 1° ~ 240° per second |
| Manual Tilt Speed: | 1° ~ 100° per second |
| Maximum Preset Speed: | 350° per second |
| Pan Travel: | 360° continuous |
| Tilt Travel: | 0° ~ 90° |
| Preset Accuracy: | ±0.3° |
| Motor: | Stepping motor |
| Produt Dimension (H×Φ): | Bracket: 7.89"×Φ 5.91"<br>(200.5 mm×Φ150 mm)<br>Recessed: 6.40"×Φ7.17"<br>(162.5 mm×Φ182 mm)<br>Surface: 6.48 "×Φ5.91 "<br>(164.5 mm×Φ150 mm) |
| Shipping Dimension(L× W×H): | 8.66"×8.66"×11.22"<br>(220 mm×220 mm×285 mm) |
| Net Weight: | Bracket: 3.46 lbs (1.57 kg)<br>Recessed: 3.86 lbs (1.75 kg)<br>Surface: 4.23 lbs (1.92 kg) |
| Shipping Weight: | Bracket : 4.63 lbs (2.1 kg)<br>Recessed: 5.07 lbs (2.3 kg)<br>Surface: 5.51 lbs (2.5 kg) |

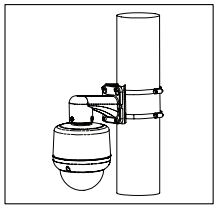
### Environmental

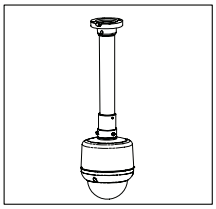
| | |
|---|---|
| Operating Temperature: | 14°F ~104°F (-10°C ~+40°C) |
| Operating Humidity: | 0~90% RH (non-condensing) |

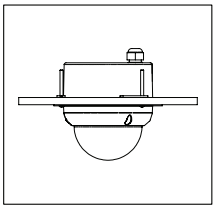
## MOUNTING

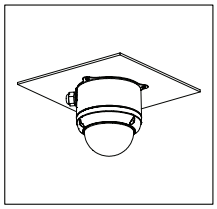

Wall Mount


Corner Mount


Pole Mount


Pendant Mount


Recessed Mount


Surface Mount

**IP PTZ Dome Camera Part Numbering System:**

| Models | Description |
|---|---|
| V1731N-M0C3B3 | IP PTZ Camera, 10X, NTSC, Bracket, Clear, 24 VDC/24 VAC |
| V1731N-M0C3S3 | IP PTZ Camera, 10X, NTSC, Surface, Clear, 24 VDC/24 VAC |
| V1731N-M0C3C3 | IP PTZ Camera, 10X, NTSC, Recessed, Clear, 24 VDC/24 VAC |
| V1731N-M0S3B3 | IP PTZ Camera, 10X, NTSC, Bracket, Smoked, 24 VDC/24 VAC |
| V1731N-M0S3S3 | IP PTZ Camera, 10X, NTSC, Surface, Smoked, 24 VDC/24 VAC |
| V1731N-M0S3C3 | IP PTZ Camera, 10X, NTSC, Recessed, Smoked, 24 VDC/24 VAC |
| V1731N-M1C3B3 | IP PTZ Camera, 10X, PAL, Bracket, Clear, 24 VDC/24 VAC |
| V1731N-M1C3S3 | IP PTZ Camera, 10X, PAL, Surface, Clear, 24 VDC/24 VAC |
| V1731N-M1C3C3 | IP PTZ Camera, 10X, PAL, Recessed, Clear, 24 VDC/24 VAC |
| V1731N-M1S3B3 | IP PTZ Camera, 10X, PAL, Bracket, Smoked, 24 VDC/24 VAC |
| V1731N-M1S3S3 | IP PTZ Camera, 10X, PAL, Surface, Smoked, 24 VDC/24 VAC |
| V1731N-M1S3C3 | IP PTZ Camera, 10X, PAL, Recessed, Smoked, 24 VDC/24 VAC |

**PART NUMBER EXTENSIONS FOR ALARM/AUDIO/RS485 SELECTION:**

| Without Alarm/Audio/RS485 | With Alarm/Audio/RS485 | EX: | EX: With Alarm/Audio/RS485 |
|---|---|---|---|
| none | W | V1731N -M1S3C3 | V1731N -M1S3C3W |

**CAMERA PARAMETERS**

| Function | | |
|---|---|---|
| CCD | Image Sensor | SONY 1/4-type EXview HAD CCD |
| | Resolution | PAL/440K:752 x 582; NTSC/380K:768 x 494 |
| Optic Feature | Optic Zoom | 10X optical zoom,<br>f=4.2 mm (wide) to 42.0 mm (tele), F1.8 to F2.9 |
| | Focal Range | 0.2m（Wide）~1m（Tele） |
| | Digital Zoom | 12X |
| | Angle of View | 46.0° (wide end) to 4.6° (tele end) |
| Function | Horizontal | 530 TVL |
| | S/N Ratio | 50 dB |
| | Sensitivity | 1.0 lux (typical) (F1.8, NTSC :1/60s,PAL :1/50s) |
| | AGC | Manual / Auto |
| | White Balance | AUTO, MANU, ATW, INDOOR, OUTDOOR |
| | BLC | ON/OFF |
| | Shutter Speed | NTSC: 1/4~1/10,000s; PAL: 1/3~1/10,000s. |
| | DSS | ON/OFF |
| | External Control | VISCA (TTL signal level) |
| | Focus | Auto, Manual, M/A |
| | Mirror | ON/OFF |
| | Sync System | Internal Sync |