

VISIX™ 3MP Vertical 360° Infrared Hemispheric IP Camera

This three (3) megapixel 360° IP camera provides affordable, high-definition 100% coverage with the ability to pan, tilt and zoom (PTZ) to any location. Displaying up to 2048 x 1536 pixels, this vandal-resistant network dome camera is designed to integrate seamlessly with the full family of VIGIL Video Management System (VMS) software modules including X-VIEW Panoramic De-warping Software.

X-VIEW Panoramic De-warping Software allows users to achieve real-time viewing of an entire scene from a single camera. Users can simultaneously view a 360° image as well as three (3) distortion-corrected images on individual subset screens each supporting full-function digital PTZ capabilities. The flush-mount format allows for easy and secure installation in a wide variety of indoor applications.

This high-definition 360° camera is packed with features you might need for nearly any application including: motion detection, 120dB Wide Dynamic Range, compatibility with a wide variety of standardized network protocols, forensic zooming, image cropping, and region-of-interest.

In addition, this camera is designed to continue functioning at top performance at temperatures as low as -30°C (-22°F) and as high as 60°C (140°F) allowing a wide range of applications. Infrared operation allows use in varying lighting conditions down to 0 lux for superior night-time video.

With one or four streams available in High Frame Rate Mode, and five streams in Multi-Channel mode, recording at the highest quality is available while allowing fast live viewing from anywhere in the world regardless of available bandwidth. In addition, with full support for both variable bit rate and variable frame rate, the quality of each stream can be matched to available bandwidth for the most effective video quality possible.

When coupled with the VIGIL™ Series of digital video recorders (DVR) and Video Management System (VMS) software, superior point-to-point hardware compression and decompression allows for maximum performance of streamed live video providing better video quality, more concurrent streams and a lower overall hit to CPU performance.



| Key Features and Benefits | |
|--|--------------|
| Lens | 1.19mm @F2.0 |
| Resolution (Megapixels) | 3 |
| 360° Field of View | ✓ |
| 2048 x 1536 Resolution | ✓ |
| Infrared (Low-Light/No-Light) | ✓ |
| 2-Way Audio | ✓ |
| H.264, MJPEG Compression | ✓ |
| 25 fps (2048x1536), 30 fps (1536 x 1536) | ✓ |
| Wide Dynamic Range | ✓ |

CAMERA

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|----------------------------|--|
| Image Sensor: | 1/3 inch Progressive Scan CMOS |
| Lens: | 1.19mm F2.0 |
| Min. Illumination: | .1 Lux / F1.2 with Auto Gain Control .28 Lux / F2.0 with Auto Gain Control 0 Lux with IR |
| IR Range: | Up to 15 Meters |
| Angle of View: | 360° |
| Day/Night: | ICR |
| Wide Dynamic Range: | Yes, 120dB |
| Shutter Times: | 1/25 sec. to 1/100,000 sec. |

COMPRESSION STANDARD

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|--------------------------------|-------------------|
| Video Compression: | H.264/MJPEG |
| Video Bit Rate: | 32 Kbps - 16 Mbps |
| Audio Compression: | G.711/G.726/MP2L2 |
| Multiple Video Streams: | Yes |

IMAGE

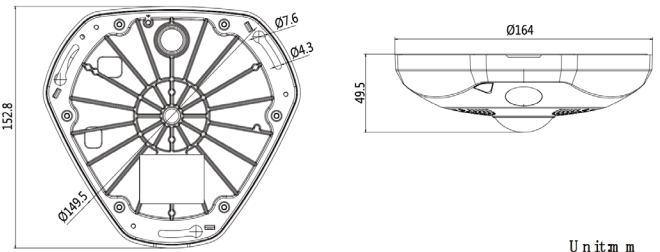
| | |
|---------------------------------|---|
| Max. Image Resolution: | 2048(H) x 1536(V) |
| Frame Rate: | High Frame Mode: Support 60Hz: 1 x fisheye (2048 x 1536, 30fps) or (1536 x 1536 30fps) or 4 x PTZ at (800 x 600, 30fps) Multi-channel Mode: Support 60Hz: 1 x fisheye (1536 x 1536, 20fps) and 1 x panoramic (1600 x 1200, 20fps) and 3 x PTZ (800 x 600, 20fps) |
| Number of Streams: | High Frame Rate Mode: 1 or 4 Multi-Channel: Up to 5 (No sub-streams) |
| Digital Noise Reduction: | 3D DNR |
| Wide Dynamic Range: | Yes, 120dB |
| Image Setting: | Saturation, Brightness, Contrast, Hue, Sharpness, AGC, White Balance |
| High Light Compensation: | Supported |
| Day/Night Switch: | Auto/Manual/Scheduled/Alarm Trigger |

FUNCTIONS

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|------------------------------|---|
| Alarm Triggers: | Motion detection, Dynamic analysis, Tampering alarm, Network disconnect, IP address conflict, Storage exception |
| Local Storage: | Built-in Micro SD/SDXC card slot, up to 64GB |
| Security: | User Authentication, Watermark, IP Address Filtering Anonymous Access |
| Protocols: | TCP/IP, HTTP, DHCP, DNS, DDNS, NTP, RTP, RTSP, PPPoE, SMTP, NTP, SNMP, HTTPS, FTP, 802.1x, UPnP, IGMP, ICMP, RTCP, QoS, IPv6, Bonjour |
| System Compatibility: | ONVIF, PSIA, CGI, ISAPI |

PHYSICAL

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| Working Temperature: | -30°C - 60°C (-22°F - 140°F); Humidity 95% or less (non-condensing) |
| Protection: | IEC 60068-2-75 test, Eh, 50J, EN50102, EN50155, IK10 |
| Weather Protection: | IP66 |
| Dimensions (inches): | 6.46" x 6.02" x 1.72" |
| Dimensions (mm): | 164mm x 152.8mm x 43.8mm |
| Weight: | 3.08 lbs. / 1400 g |



Unit: mm



ELECTRICAL

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|---------------------------|-----------------------------|
| Power Supply: | 12 V DC ±10%; PoE (802.3af) |
| Power Consumption: | 12W |

INTERFACE

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| Communication: | 1 RJ45 10M/100M/1000M self-adaptive Ethernet port and 1 RS-485 interface |
| Audio Input: | 1 - Channel Microphone Input, 3.5mm Mini-Jack & Built-in Microphone |
| Audio Output: | 1 - Channel 3.5mm Audio Interface (Line Level 600Ω) & Built-in Speaker |
| Alarm Input: | 1 channel signal input |
| Alarm Output: | 1 channel signal relay output |

WARRANTY

Three (3) Year Return to Depot Parts and Labor Warranty

CERTIFICATIONS

FCC, CE

PART NUMBER

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|-------------------------|---|
| VX-3M-360-IAWD6: | 3MP Indoor/Outdoor Infrared IP 360 Camera |
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RECOMMENDED MOUNTS

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|--------------------|--------------------------|
| VX-WM-360: | Wall Mount |
| VX-PM-360: | Pendant Mount |
| VX-SMJ-360: | Junction Box |
| VX-ISM-360: | Inclined Ceiling Mount |
| VX-PMC-360: | Pendant Mount Cap (ONLY) |