VISIX™ 3MP Vertical 360° Infrared Hemispheric IP Indoor Camera

This three (3) megapixel 360° IP indoor camera provides affordable, high-definition 100% coverage with the ability to digitally 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 avaiable in High Frame Rate Mode, and five streams in Multi-Channel mode, recording at the highest quality is avaiable 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.
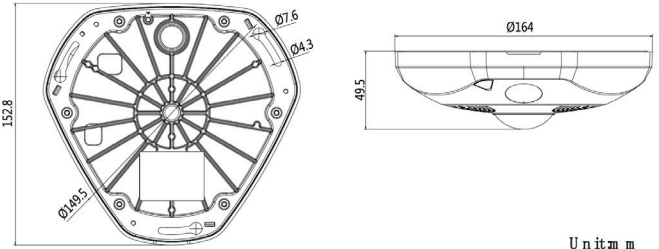
When coupled with the VIGIL™ Series of digital video recorders (DVR) and Video Management System (VMS) software, superior point-to-point hardware compression and decompression allows for maximum performance of streamed live video providing better video quality, more concurrent streams and a lower overall 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	✓
Indoor	✓

CAMERA

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 / F 2.0 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

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

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

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
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

ELECTRICAL

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

INTERFACE

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, UL, ULC

PART NUMBER

VX-3M-360-IAWD:	3MP Indoor Infrared IP 360 Camera

RECOMMENDED MOUNTS

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)

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