

VISIX™ 7.3MP 180° IP Camera

This 7.3MP 180° Panoramic IP camera provides high-definition 100% coverage with the ability to pan, tilt and zoom (PTZ) to any location. The VX-8S-180-AWD is ideal for low environments, and requires no blind spot monitoring. Displaying up to 4096 x 1800 pixels, this vandal-resistant network dome camera is designed to integrate seamlessly with the full family of VIGIL™ Video Management System (VMS) software modules.

This 180° panoramic camera boasts industry leading low-light specifications. The progressive scan CMOS image sensors provide a crystal-clear color image down to as low as 0.001 lux, even in conditions that would defeat conventional low-light models, making for incredible performance in any deployment.

The VX-8S-180-AWD is packed with features perfect for nearly any application including: motion detection, compatibility with a wide variety of standardized network protocols, 3D DNR, DWDR, audio and alarm support. 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).

Dual-streaming compression allows recording at the highest quality while allowing fast live viewing from anywhere in the world regardless of available bandwidth. 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 Network Video Recorders (NVR) 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	4 x 5mm Fixed
Resolution (Megapixels)	7.3MP (4 Sensors)
180° Field of View	✓
4096 x 1800 Resolution	✓
IP66 Weather-Resistant	✓
Ultra Low-Light (0.002 Lux @ F1.2 AGC On)	✓
H.264,MJPEG Compression	✓
25 fps (4096x1800)	✓
Digital Wide Dynamic Range	✓

CAMERA

Image Sensor:	1/1.8 inch Progressive Scan CMOS
Lens:	5mm x 4 180° angle of view
Min. Illumination:	0.002 Lux @ (F2.2) Auto Gain Control on
Angle of View:	180°
Day/Night:	ICR
Shutter Times:	1/25 seconds to 1/100,000 seconds

COMPRESSION STANDARD

Video Compression:	H.264, MJPEG
Video Bit Rate:	32 Kbps - 16 Mbps
Audio Compression:	G.711/G.722.1/G.726/MP2L2?AAC/PMC
Audio Bit Rate:	64Kbps(G.711) / 16Kbps(G.722.1) / 16Kbps(G.726) / 32-192Kbps(MP2L2) / 16-64Kbps(AAC)

IMAGE

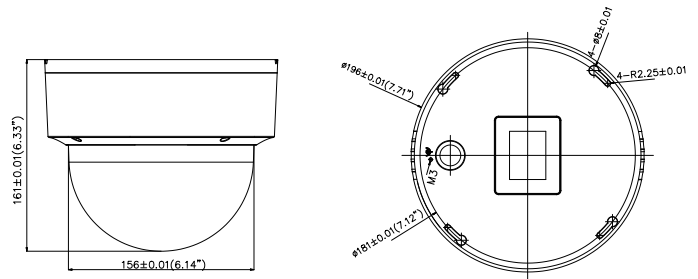
Max. Image Resolution:	4096 (W) x 1800(H)
Frame Rate:	Mode 1: 60Hz: (4096 x 1800 or 3840 x 1680, 30fps) Substream: 60Hz:(704 x 320, 30fps) Mode 2: 60Hz: (2400 x 3840, 24fps) or (1200 x 1920, 30fps) Substream: 60Hz:(480 x 768 or 320 x 512, 30fps)
Digital Noise Reduction:	BLC, 3D DNR, ROI, Defog
Wide Dynamic Range:	Yes; Digital
Image Setting:	Saturation, Brightness, Contrast, Sharpness, AGC, White Balance

FUNCTIONS

Alarm Triggers:	Motion detection, Dynamic analysis, Tampering alarm, Network disconnect, IP address conflict, Storage exception
Local Storage:	Built-in Micro SD, SDHC SDXC card slot, up to 128GB
Security:	User Authentication, Watermark, IP address filtering, anonymous access
Protocols:	TCP/IP, UDP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, QoS, IPv6, Bonjour
System Compatibility:	ONVIF (Profile S, Profile G), PSIA, CGI, ISAPI

PHYSICAL

Working Temperature:	-30°C - 60°C (-22°F - 140°F); Humidity 95% max
Weather Protection:	IP66
Dimensions (inches):	7.68" x 6.26"
Dimensions (mm):	195 x 159
Weight:	6.28 lbs. / 2850 g



ELECTRICAL

Power Supply:	24V AC ±10%; PoE+ (802.3af)
Power Consumption:	22W Max

INTERFACE

Communication:	1 RJ45 10M/100M self-adaptive Ethernet port and 1 RS-485 interface
Audio Input:	1 - Channel Microphone Input, 3.5mm Mini-Jack
Audio Output:	1 - Channel 3.5mm Audio Interface
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

VX-8S-180-AWD:	7.3MP Indoor/Outdoor IP 180 Camera
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RECOMMENDED MOUNTS

VX-8S-180-BPM:	Pendant Mount
VX-8S-180-BWM:	Wall Mount