Product at a Glance

▸ 12 MP

▸ Built-in traditional fisheye lens for 180° panoramic view and 360° surround view

▸ WDR

▸ H.265/H.264 compression; M-JPEG compression

▸ 49 ft/15 m IR range; Smart IR

▸ Triple streaming

▸ Smart encoding

▸ Power-over-Ethernet (PoE+); 24 VAC

▸ Supports web de-warping

▸ Bi-directional audio communication and built-in microphone

▸ SD card slot for on-camera storage

▸ IP67 rated for outdoor environments

▸ IK10 rated for impact protection

▸ NDAA/GSA/TAA compliant

Overview

Vicon's V2360W-12 Panoramic Camera is a fisheye 360° IP dome camera that provides a high-resolution, hemispherical view that eliminates blind spots and improves long-term reliability. The vandal-proof 360-degree dome camera can be mounted on a ceiling or wall and is suitable for both outdoor and indoor applications.

The integral fisheye lens provides an extremely wide angle of view that captures the entire environment in front of the camera, allowing one camera to easily cover a large-scale area. When installed on a wall or in a ceiling, the camera can capture a 360° view of the surroundings and then offer a dewarped view.

The V2360W-12 provides triple-streaming video and supports H.264/H.265 compression technology, drastically reducing file sizes and conserving valuable network bandwidth; M-JPEG compression is also supported. Smart encoding effectively enhances video encoding efficiency and further reduces transmission rate and improves storage capacity. The camera is designed for easy installation. Power over Ethernet (IEEE 802.3at) eliminates the need for power cables, providing a cost-effective method of installation; 24 VAC is also accepted. Refer to Ordering Information for details on accessories and other mounting options.

The true day/night progressive scan camera includes a removable IR cut filter for superior image quality in all lighting conditions. Wide Dynamic Range further improves video exposure quality in scenes with high contrast between bright and dark areas.
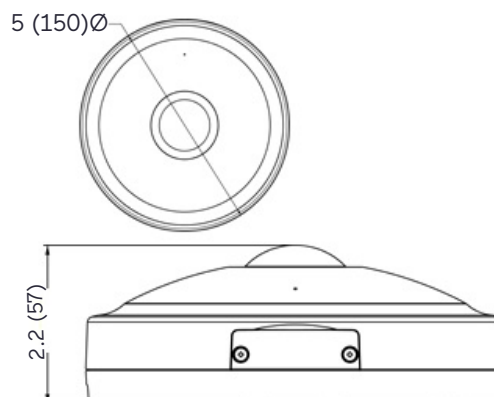
For protection against the elements, the camera dome is IP67 rated with a IK10 vandal-proof casing to withstand rain, dust, and vandalism. The camera meets the latest regulations required to be NDAA, GSA schedule and TAA approved.

The camera can be used with Vicon Valerus™ as well as many other popular VMS systems; each VMS may support different camera functions.

Specifications

Model	V2360W-12
Image Sensor:	1/1.7-in.
Max Resolution:	4000×3000 (12 MP)
Image Settings:	Digital image effects: defog, flip. Configurable brightness, contrast, saturation, hue, sharpness. White balance. Backlight Compensation (BLC). HLC. Gain control. Gamma correction. Electronic shutter speed. Day/night mode. Dynamic Noise Reduction (3 DNR). Motion detection (4 programmable zones). Privacy masking (8 masks). Dynamic ROI. Event notification.
Video Content Analysis (VCA):	Tampering
Electronic Shutter Speed:	Auto (1/2 ~ 1/10,000 sec), manual
Day/Night Performance:	True day/night (IR cut filter)
Wide Dynamic Range	Digital WDR
Minimum Illumination:	Color: 0.11 lux @f2.2; BW: 0 lux (IR On)
IR Distance:	Smart IR. 49 ft (15 m); 1 IR LED
Lenses	
Lens Type:	Fixed f/1.2 mm focal length; f/2.2
Field-of- View:	180°
Network Video Transmission	
Network:	10/100Base-T/TX: RJ-45
Image Compression:	H.264; H.265; M-JPEG
Resolution:	12 MP: 4000×3000, 3000×3000, 2592×1944, 1944×1944, 2048×1536, 1536×1536, 1280×960, 960×960, 800×600, 608×600, 640×480, 480×480, 230×240, 240×240
Protocol:	ARP, DHCP, DNS, FTP, HTTP, HTTPS, HLS, ICMP, IGMP, IPv4/6, LDAP, NTP, RTSP/RTCP/RTP, RTMP, QoS, SMTP, SNMP v1/2c/3, TCP, TLS/TTLS, UDP, UPnP, 802.1X, UPnP, Bonjour, DDNS, PPPoE; ONVIF S/G/Q/T
Frame Rate:	30/25 fps max
Streams:	Triple streaming. Single: 12 MP@20fps; Dual: 12 MP@15fps + 1280×960@15fps; Triple: 12 MP@15fps + 1280×960@15fps + 1280×960@15fps
Audio:	1 audio input/1 audio output; G.711 (a-law, μ-law); built-in microphone
Alarm:	1 alarm input/1 alarm output
Users:	Live: 10 users
Web Browser:	Internet Explorer 11®; Chrome®, Safari®, Firefox®, Microsoft® Edge
Security:	IP address filtering, HTTPS encrypted data transmission, SSL, IEEE 802.1X, Digest Authentication, Advanced Security

Dimension Drawing [in. (mm)]

5 (150)Ø

2.2 (57)

Specifications

Mechanical	
Construction:	Housing: aluminum alloy. Front case: PC+ABS.
Mounting:	Surface mount, wall or ceiling
Dimensions:	5 in. (150 mm) (Diam) x 2.2 in. (57 mm) (H)
Weight:	2 lb (0.9 kg)

Electrical	
Input Power:	PoE+ IEEE 802.3at class 4; 24 VAC
Current:	24 VAC: 1.1 A; PoE: 0.52 A
Power Consumption:	24 VAC: 26.4 W; PoE: 25 W

Controls and Connectors	
Connectors:	Power: 24 VAC terminal block; PoE/Network: RJ-45 CAT 5; Audio Input/Output: terminal block; built-in mic. Reset button/Default button; Micro SD card slot for SDHC/SDXC card (128 G max; customer-supplied);

Environmental	
Operating Conditions:	Temperature: -40° to 122° F (-40° to 50° C) Humidity: up to 90%, non-condensing
Approvals:	FCC Class A, CE, IP67, IK10, ONVIF Profile S/T/G/Q, RoHS
Country of Origin:	Taiwan
Warranty:	3 years

Ordering Information		
Resolution	**Lens**	**Model Number**
12 MP	Fixed f/1.2 mm	V2360W-12
Accessories		
Pendant Mount	Provides pendant mounting configuration for use with SVFT-WM-1/UWM-1/UCM-1/UPM-2, V-24CMB-3, V-20B-A-3	V2000D-PM
Adapter Plate	Allows the V2360W to be mounted on a 4×4 electrical box	V2360W-PLATE
Backbox	For ease of cabling	V2000B-BOX
In-Ceiling Mount	Allows V2360W to be mounted in a drop ceiling	V2360W-ICD
In-Ceiling Mount	Allows V2360W to be mounted in a hard ceiling	V2360W-ICH

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