



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
- ▶ Dual heaters for defog and low temperature operation
- ▶ 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; ONVIF S/T/G/Q

Overview

Vicon's Roughneck® 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. A dual heater system is provided that maintains proper temperature in the camera housing and prevents fogging of the window. 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 and support ONVIF profiles S/T/G/Q.

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: 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): | Motion, Tampering/Defocus |
| 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 (@ 30 IRE): | Color: 0.04 lux; BW: 0.03 lux, IR Off; 0 lux (IR On) |
| IR Distance: | Smart IR. 49 ft (15 m); 1 IR LED |
| Dual Heater System: | For low temperature operation: heater turns on at -40° F (-40° C) and off at 59° F (15° C). For defog operation: heater turns on at -40° F (-40° C) and off at 140° F (60° C) |
| Lenses | |
| Lens Type: | Fixed f/1.2 mm focal length; f/2.2 |
| Field-of- View: | 195° (at full resolution); 360° (surround view) |
| 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; audio level alarm |
| 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 |

Specifications








| Mechanical | |
|---------------|---|
| Construction: | Housing: white aluminum. Bubble: PC. |
| 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 (+20%/-10%) |
| Current: | 24 VAC: 1.1 A; PoE: 0.52 A |
| Power Consumption: | IR/Heaters On: 25 W; IR Off/Heaters On: 12.2 W |

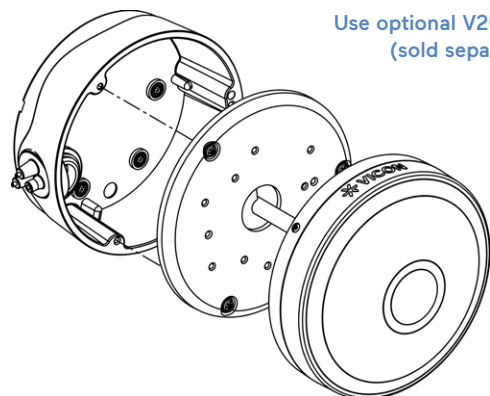
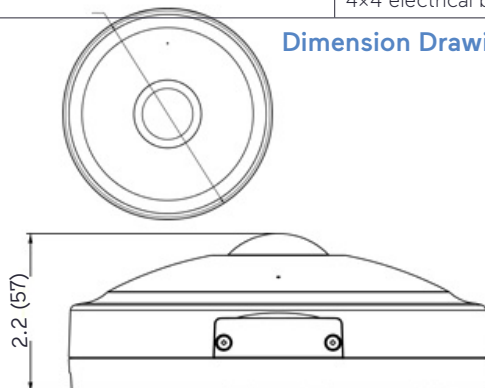
| Controls and Connectors | |
|-------------------------|--|
| Connectors: | Optional backbox available for cabling. Power: 24 VAC terminal block; PoE/Network: RJ-45 CAT 5; Audio Input/Output: terminal block; built-in mic. Reset button/Default button; Micro SD card slot for SDHC/SDXC card (128 G max;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

| Environmental | |
|-----------------------|--|
| Operating Conditions: | Temperature: -40° to 122° F (-40° to 50° C) Humidity: up to 90%, non-condensing |
| Approvals: | UL, 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-4, V-20B-A-4 | V2000D-PM  |
| Adapter Plate | Allows the V2360W to be mounted on a 4x4 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  |
| Wedge Mount/Adapter Plate | Allows the V2360W to be surface mounted on a tilt to maintain a full view/Allows V2XXX-WDG to be mounted on a 4x4 electrical box | V2XXX-WDG  V2XXX-WDG-PLATE  |

Dimension Drawing [in. (mm)]



Use optional V2000B-BOX (sold separately)

Data Sheet Number: V318-60-04
Vicon Data Sheet Number: 8009-7318-60-04

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