

## SALES ALERT

# V1020-WIR-360 Multi-Sensor Camera



The V1020-WIR-360 multi-sensor camera is designed to provide users with straightforward installation while delivering powerful performance and quality. This exceptional camera is comprised of four independently adjustable sensors that eliminate blind spots so you can monitor extremely wide areas with just a single IP address and cable.

The V1020-WIR-360 camera is a great addition to Vicon's camera line, providing the widest coverage area. This powerful camera is perfect for indoor and outdoor use such as parking lots, airports, stadiums, correctional facilities, commercial building corridors, warehouses and more.

The multi-sensor is available with 5 MP sensors, creating a 20 MP model providing exceptional image quality for any application. Designed for both indoor and outdoor use, this durable, reliable and flexible multi-sensor camera is IK10 rated for vandal protection and IP66 to withstand the toughest of environments.

## Flexible Installation

These Multi-Sensor cameras are engineered to save installers time, money and frustration. Traditional non-repositionable multi-sensor cameras typically require at least two individuals for installation and tedious manual adjustments of the modules to obtain the desired FOV. The V1020-WIR-360 Multi-Sensor was designed to be effortlessly configured remotely from a PC and eliminate the need of requiring multiple people for an installation. Users are provided with the freedom to change their FOV as needed, without having to worry about manual installation changes.

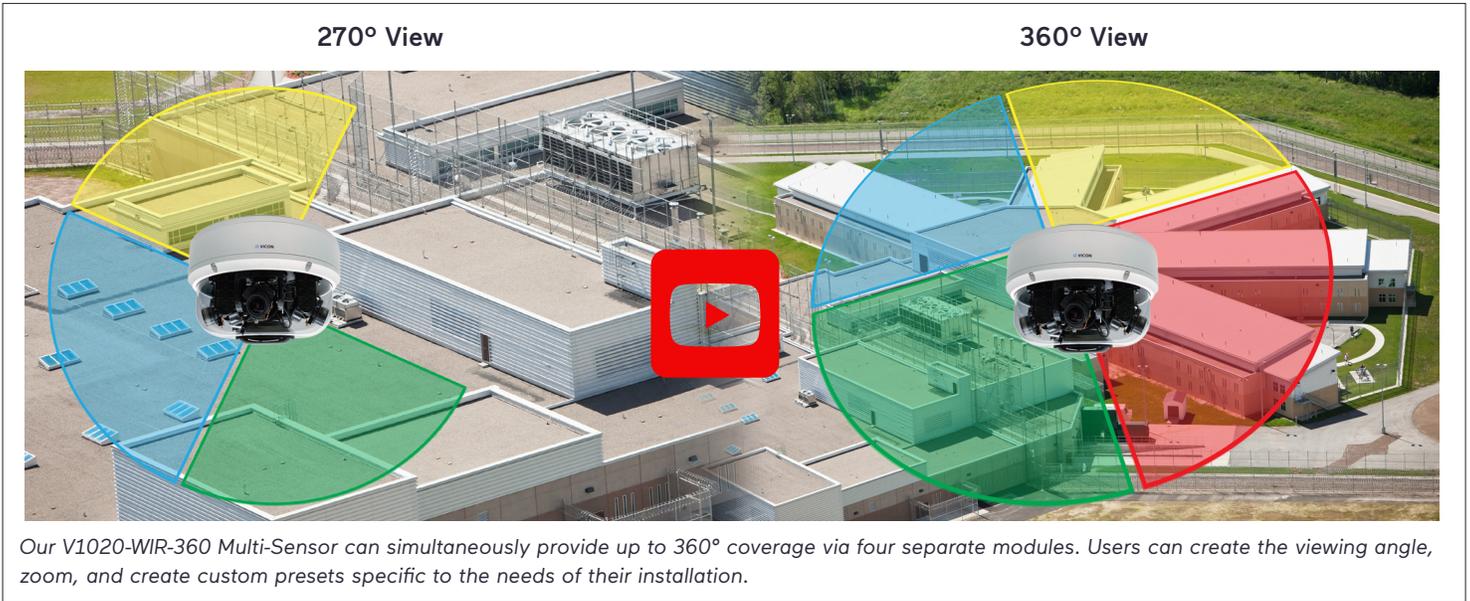


*Our V1020-WIR-360 Multi-Sensor can simultaneously provide up to 360° coverage via four separate modules. Users can create the viewing angle, zoom, and create custom presets specific to the needs of their installation.*

## Up to 360° Coverage

The camera offers presets for 270° or 360° views, however users can also create custom views through each sensor's independent PTZ control. Additionally, you can save up to two user-defined presets, with each camera module independently positioned and zoomed as required, providing optimal surveillance.

The 270° view is commonly used in corners, such as the corner of a building. Typical installation practice for a 270° setup is to mount on the corner of a building, allowing users to view directly in-front of them and to their left and right. The fourth sensor can then be positioned as desired to provide additional coverage such as looking straight down to eliminate blind spots. A 360° is ideal for wide areas and is typically mounted to a pole and used in settings such as intersections and parking lots. This view's FOV takes all angles, also eliminating the potential of any blind spots.



The ONVIF-compliant Multi-Sensor integrates with most major VMS-platforms and Vicon’s acclaimed Valerus. When integrated with Valerus, the Multi-Sensor also supports Museum Search to streamline security investigations.

**Starlight technology offers the most exceptional color images at night**

These powerful cameras also deliver fantastic detail, day or night. With True WDR, the cameras can overcome challenging lighting conditions during the day, while 131 ft of IR illumination ensures you can see every detail at night.

The standout feature, when compared to the competition, is our advanced starlight imaging capabilities. Starlight illumination allows users to see vivid colors and sharp details that would otherwise go unnoticed. Operators can see critical forensic details that they would otherwise miss in traditional IR black-and-white images.

**Typical black-and-white imaging**



**Starlight low-light color imaging**



The camera can be powered by 24 VAC, 24 VDC or with either IEEE 802.3at (PoE+) or IEEE 802.3bt Class 5 (PoE++) Power over Ethernet. The PoE source is automatically detected with the only performance difference being the IR distance of up to 131 ft (40 m) on PoE++ and up to 98 ft (30 m) on PoE+.

**Specifications**

MODEL	V1020-WIR-360
<b>Camera</b>	
Device Type:	Indoor/outdoor multi-sensor panoramic cameras
Image Sensor:	4X 1/2.8" 5 MP CMOS progressive sensor
Max Resolution:	4X 2592 x 1944 (5 MP)
Image Settings:	WDR (Wide Dynamic Range; 120 dB ). Backlight Compensation (BLC). Configurable brightness, contrast, saturation, sharpness. Mirror. Flip. White balance. Exposure. Gain Control. Privacy masks (5). Day/night, True day/night ICR. Audio. Event handler and notifications.
Video Content Analysis:	Video Motion Detection (VMD; 5 areas); Tampering; Intrusion; Line Counting/Crossing; Area Counting; Museum Search
Electronic Shutter Speed:	1/7 - 1/20000 sec
Day/Night Performance:	True Day/Night with mechanical IR cut filter
Wide Dynamic Range (WDR):	120 dB, true
IR Sensitivity:	Up to 131 ft (40 m) @ IEEE802.3bt; up to 98 ft (30 m) @IEEE802.3at
Minimum Illumination (@ 30 IRE):	Color: 0.03 lux; BW: 0.01 lux, IR Off; 0 lux, IR On
Adjustment:	Remotely adjustable: Pan: 360°; tilt: 90°; each module can be positioned remotely along a track
<b>Lenses</b>	
MFZ Lens:	4X 3.1-10 mm; 3.2X optical zoom
Angle of View:	32° (tele) - 96° (wide)/24° (tele) - 69° (wide)/40° (tele) - 124° (wide)
<b>Network Video Transmission</b>	
Network:	10/100/1000 Mbps Ethernet; RJ-45
Image Compression:	H.265/H.264; M-JPEG
Streaming:	Triple streaming
Max. Frame Rate:	Up to 30 fps at 20 MP
Audio:	Two-way audio: 1 audio input, 1 audio output; G.711 8 KHz/8 bits
Protocols:	IPv4/IPv6; TCP/IP; UDP; ICMP; SNMP v2c/v3; HTTP; RTP; RTSP; RTCP; SMTP; HTTPS; UPnP; FTP; SSL; DNS; NTP; QoS; LDAP (client); DynDNS; Zeroconfig; ONVIF S, G, Q, T
Users:	Up to 10 clients
Web Browser:	Internet Explorer®/Mozilla® Firefox®/Google Chrome®
Alarms:	1 alarm input/1 alarm output
Security:	Password protection, IP address filtering, HTTPS, IEEE 802.1X network access control; ONVIF S/G/Q/T
<b>Mechanical and Electrical</b>	
Pan/Tilt Range:	Remote adjustment: Pan: 360°; Tilt: 90° (limited to 83° by camera software)
Construction:	Die-cast aluminum housing; polycarbonate dome
Mounting:	Surface-mounted; mounting holes provided; includes mounting cap. Mounting options available.
Controls and Connectors:	I/O cable assemblies supplied for power, audio (2X) and Alarms. PoE/Network: RJ-45. Alarm In/Out: terminal blocks. Power: 2-pin terminal block. Audio In/Out: phone jacks. SD card (2X).
Dimensions:	H: 5.6 in. (142.3 mm); Diam: 9.7 in. (247.5 mm)
Weight:	5.2 lb (2.36 kg)
Input Power:	PoE+/PoE++ (IEEE 802.3at/IEEE 802.3bt Class 5; auto detects power switch); 24 VDC; 24 VAC
Current:	1.7 A
Power Consumption:	PoE+: 25 W; PoE++: 40 W

**Specifications continued**

Environmental	
Operating Conditions:	Temp: -40 to 131° F (-40 to 55° C) IR off. Humidity: 10% - 90%, non-condensing.
Approvals:	FCC Class A, CE; IP66; IK10; UL
Warranty:	3 years
Country of Origin:	Taiwan

## An Important Note for Federal Opportunities

While we are prioritizing moving our camera lines to NDAA compliance, these cameras do not currently meet these requirements, so it should not be offered for federal opportunities. An NDAA-compliant variant is in development.

**Product Descriptions and Pricing**

MODEL NUMBER	PRODUCT CODE	RESOLUTION/DESCRIPTION	MSRP
<b>Camera</b>			
V1020-WIR-360	10517-10	MULTI-SENSOR CAMERA; 20 MP; 360° coverage; four 5 MP image sensors; smart IR; four motorized 2. 7-13.5 mm lenses; H.264/H.265; true WDR	\$2,875
<b>Accessories</b>			
V1001-WM	10488-05	WALL MOUNT; for use with V1000 series multi-sensor cameras	\$125
V1001-PM	10488-15	PENDANT MOUNT; for use with V1000 series multi-sensor cameras	\$125
V1001-ADAPT	10488-25	ADAPTER PLATE; used when mounting the wall mount to the V-20B-A-3 pole mount or V-24CMB-3 corner mount bracket	\$50
V-24CMB-3	10476-38	OUTSIDE CORNER MOUNT BRACKET; for corner mounting with a wall mount	\$112
V-20B-A-3	10476-46	POLE MOUNT ADAPTER; for 4-10 in. diameter poles; painted aluminum construction, includes mounting straps; for pole mounting with a wall mount;	\$200
VPOE-INJ-60	10193-10	POE MIDSPAN INJECTOR; 60W; required for use for PoE++ for full IR distance of 131 ft (40 M)	\$125



V1000WM  
Wall Mount



V1000PM  
Pendant Mount



V1000ADAPT  
Adapter Plate



V-24CMB-3  
Outside Corner  
Mount Bracket



V-20B-A-3  
Pole Mount  
Adapter



VPOE-INJ-60  
POE Midspan  
Injector

Please contact your regional sales representative or visit [vicon-security.com](http://vicon-security.com) for more information.