



2Megapixel H.264+ Smart Focus Vandal IR IP Dome

# VH-232Z2-AI Starvis



- H.264+, H.264 high profile, main profile, baseline and MJPEG simultaneously
- 25 / 30 fps real time at all resolution
- Motorized Vari-focal Lens, remote zoom and focus
- Smart IR LED control
- Power over Ethernet: IEEE 802.3af Class3
- IP66 weather proof, IK10 vandal proof
- AI in edge - Car Detection, Person Detection, Face Detection

### Camera

Image Device	Sony 1/2.8" Starvis™ 2Megapixel image sensor
Effective Pixels	1920x1080 pixels
Lens	Motorized MFZ Lens, f=2.8~12mm
IRIS type	DC iris
ICR type	Mechanical
IR LED	12 pcs high light LED, Smart IR

### IP Module

#### Video

Video Encoder	H.264+, H.264 (base line, main-profile, and hi-profile) and MJPEG simultaneously
Video Profile	3-streaming simultaneously
Frame Rate	Up to 25 / 30fps at all resolutions
Region of Interest	Multi-area ROI

Exposure Control	Auto / Auto Indoor / Manual Exposure (Manual mode : 1/30s~1/27,000s) DOL WDR 100dB
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Image Setting	<ul style="list-style-type: none"> <li>● AE, AWB</li> <li>● 3D Noise reduction</li> <li>● Color, brightness, sharpness, contrast, Hue</li> <li>● Image Mirror/Flip, 90° Rotation</li> <li>● Privacy Masks</li> <li>● DIS</li> <li>● Pixel Count</li> <li>● Anti-False Color</li> <li>● Defog</li> </ul>
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Streaming	<ul style="list-style-type: none"> <li>● Simultaneously multi-streaming</li> <li>● Streaming over UDP, TCP, HTTP, or HTTPS</li> <li>● M-JPEG streaming over HTTP (server push)</li> <li>● Controllable frame rate and bandwidth</li> <li>● Constant and variable bit rate</li> <li>● ROI</li> <li>● AOI (Higher Quality in AOI area)</li> </ul>
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### Network

Supported Protocols	IPv4, IPv6, TCP, UDP, HTTP, HTTPS, SMTP, FTP, NTP, DNS, DDNS, DHCP, DIPS, ARP, Bonjour, UPnP, RTSP, RTP, RTCP, IGMP, PPPoE, 3GPP, Samba, ICMP, SNMP, QoS, CoS, 802.1x, iSCSI
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Security	Password protection, IP address filtering, HTTPS encrypted data transmission, user access log
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Users	8 simultaneous unicast users
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Ethernet	10Base-T/100Base-TX auto negotiation
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### System Integration

Application Programming Interface	<ul style="list-style-type: none"> <li>● Open API for software integration</li> <li>● SDK</li> </ul>
Alarm Triggers	<ul style="list-style-type: none"> <li>● Motion Detection</li> <li>● Camera Tampering</li> <li>● Audio Detection</li> <li>● Car Detection (AI)</li> <li>● Person Detection (AI)</li> <li>● Face Detection (AI)</li> <li>● Digital Input</li> <li>● SD Card Read/Write Fail Detection</li> <li>● Network Disconnect</li> </ul>
Motion Detection	10-zone video motion detection with included or excluded options
Alarm Events	<ul style="list-style-type: none"> <li>● File upload via FTP or email</li> <li>● File upload via Samba to NAS</li> <li>● Notification via email, HTTP, and TCP</li> <li>● External output</li> </ul>

### General

Power Supply	DC12V
Connectors	<ul style="list-style-type: none"> <li>● RJ-45 10Base-T/100Base-TX</li> <li>● 12VDC (terminal block)</li> <li>● 1 alarm input and 1 output (terminal block)</li> <li>● Audio out (terminal block)</li> <li>● External MIC input (terminal block)</li> <li>● Micro SD slot</li> <li>● On-Board factory default reset button/ One push focus</li> </ul>
Indication LED	Green and orange LEDs
Operating Temperature	-20°C to 50°C
Operating Humidity	20% ~ 80% (non-condensing)
Construction	IP66 weather proof IK10 vandal proof

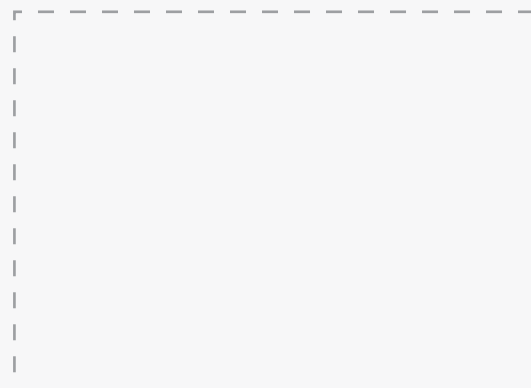
### Viewing System

OS	Windows® 7, 8, 10
Browser	IE 9.0 or later, Mozilla Firefox, Chrome, Safari
Smart phone	Android™, iPhone™
Video Player	VLC, Quick Time, Real Player, Core Player

### Software

Afidus Cloud Service™, Afidus DDNS Service™, Afidus Smart Phone Apps, Afidus NVR64™

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※ The product design and dimensions may change without previous notice for improvement of performance.

### Dimensions

