



12Megapixel 4K_3K H.264+ Smart Focus Vandal IR IP Dome

VH-1231Z



- H.264+, H.264 high profile, main profile, baseline and MJPEG simultaneously
- 12MP mode: Up to 15fps in all resolutions
8MP mode: Up to 30fps in all resolutions
- Motorized Vari-focal Lens, remote zoom and focus
- Smart IR LED control, mechanical ICR
- Power over Ethernet: IEEE 802.3af Class3
- IP66 weather proof, IK10 vandal proof
- Open Standard Protocol

Camera

Image Device	Sony 1/1.7" Starvis™ image sensor
Effective Pixels	4000 x3000 pixels
Lens	Motorized MFZ Lens, f=2.8~12mm
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	6-streaming simultaneously
Frame Rate	12MP mode: Up to 15fps in all resolutions 8MP mode: Up to 30fps in all resolutions
Region of Interest	Multi-area ROI

Exposure Control	Auto / Auto Indoor / Manual Exposure (Manual mode : 1/30s~1/27,000s) Extreme WDR
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Image Setting	<ul style="list-style-type: none"> ● AE, AWB ● 3D Noise reduction ● Color, brightness, sharpness, contrast, Hue ● Image Mirror/Flip, 90° Rotation ● Privacy Masks ● DIS ● Pixel Count ● Anti-False Color
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Streaming	<ul style="list-style-type: none"> ● Simultaneously multi-streaming ● Streaming over UDP, TCP, HTTP, or HTTPS ● M-JPEG streaming over HTTP (server push) ● Controllable frame rate and bandwidth ● Constant and variable bit rate ● ROI ● AOI (Higher Quality in AOI area)
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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	20 simultaneous unicast users
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Ethernet	10Base-T/100Base-TX auto negotiation
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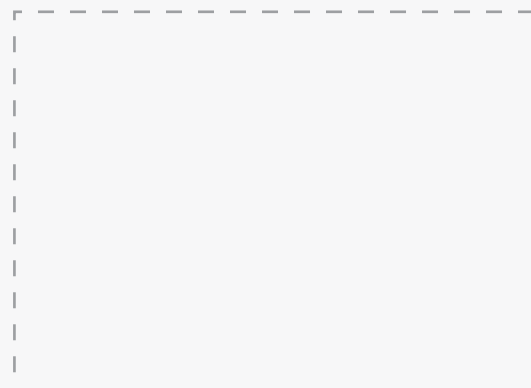
System Integration

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

General

Power Supply	DC12V
Connectors	<ul style="list-style-type: none"> ● RJ-45 10Base-T/100Base-TX ● 12VDC (terminal block) ● 1 alarm input and 1 output (terminal block) ● Audio out (terminal block) ● External MIC input (terminal block) ● Micro SD slot ● On-Board factory default reset button/ One push focus
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

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

Dimensions

