



# 5 Megapixel H.264+ Smart Focus IR IP Vandal Dome

## VH-531Z3 Premium



- H.264+, H.264 high profile, main profile, baseline and MJPEG simultaneously
- 5Megapixel at 25 / 30fps real time, 1080P at 50 / 60fps
- Motorized Vari-focal Lens, remote zoom and focus
- True WDR, DIS (Digital Image Stabilization)
- Built-in camera tampering, audio detection
- Support various protocols: RTSP, UPnP, HTTPS, Samba, SNMP, QoS
- Event trigger action: Send to NAS/Samba/FTP/Email, voice alert, notify to HTTP/TCP servers
- Power over Ethernet: IEEE 802.3af Class3
- IP66, IK10
- Open Standard Protocol

### Camera

<b>Image Device</b>	Sony Exmor™ 1/1.8" CMOS Sensor
<b>Effective Pixels</b>	2592x1944 pixels
<b>Lens</b>	Motorized with P-iris Lens (3.6~10mm)
<b>Min. Illumination</b>	<ul style="list-style-type: none"> <li>● Color: 0.02 lux @F1.2 (AGC on)</li> <li>● B/W: 0.005 lux @F1.2 (AGC on)</li> </ul>
<b>Day &amp; Night</b>	TDN (Mechanical ICR), Support auto / manual / schedule IR LED on/off
<b>IR LED</b>	12 pcs high light LED, Smart IR

### IP Module

<b>Video</b>	
<b>Video Encoder</b>	H.264+, H.264 (base line, main-profile, and hi-profile) and MJPEG simultaneously
<b>Video Profile</b>	4 profiles simultaneously @ 5M pixels mode 4 profiles simultaneously @ 1080p mode
<b>Frame Rate</b>	<ul style="list-style-type: none"> <li>● Up to 25fps / 30fps in all resolutions for 5MP mode</li> <li>● Up to 50/ 60fps in all resolution for 1080p mode</li> </ul>
<b>Region of Interest</b>	Max. 4 ROI @ 5M pixels mode. Editable range Max. 4 ROI @ 1080p mode. Editable range
<b>Exposure Control</b>	Auto / Auto Indoor / Manual Exposure (Manual mode : 1/2~1/10,000 seconds) BLC On/Off Enhanced WDR
<b>Image Setting</b>	<ul style="list-style-type: none"> <li>● cAE, 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 / Pixel Count</li> <li>● Anti-False Color / Defog</li> <li>● Overlay, Defog</li> </ul>
<b>Streaming</b>	<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>

### Network

<b>Supported Protocols</b>	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
<b>Security</b>	Password protection, IP address filtering, HTTPS encrypted data transmission, user access log

<b>Users</b>	20 simultaneous unicast users
<b>Ethernet</b>	10Base-T/100Base-TX auto negotiation

### System Integration

<b>Application Programming Interface</b>	<ul style="list-style-type: none"> <li>● Open API for software integration</li> <li>● SDK</li> </ul>
<b>Alarm Triggers</b>	<ul style="list-style-type: none"> <li>● Video motion detection</li> <li>● Camera Tampering</li> <li>● Audio Detection</li> <li>● Digital input</li> <li>● Network Disconnect</li> </ul>
<b>Motion Detection</b>	10-zone video motion detection with included or excluded options
<b>Alarm Events</b>	<ul style="list-style-type: none"> <li>● File upload via FTP or email, SD card</li> <li>● File upload via Samba to NAS</li> <li>● Notification via email, HTTP, and TCP</li> <li>● External output activation</li> <li>● Audio alerting output</li> <li>● Push notification to smart phone APP(Afidus)</li> <li>● ICR On/Off</li> </ul>

### General

<b>Power Supply</b>	DC12V
<b>Connectors</b>	<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>
<b>Indication LED</b>	Green and orange LEDs
<b>Operating Temperature</b>	-10°C to 40°C
<b>Operating Humidity</b>	20% ~ 80% (non-condensing)

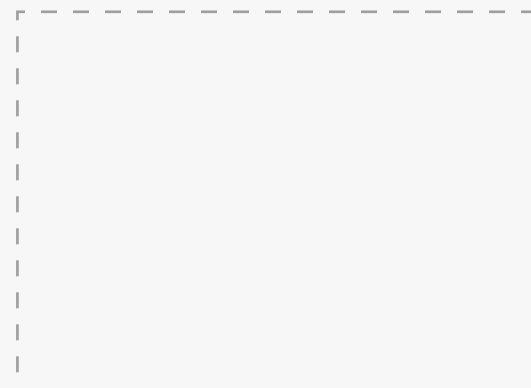
### Viewing System

<b>OS</b>	Windows® 7, 8
<b>Browser</b>	IE 9.0 or later, Mozilla Firefox, Chrome, Safari
<b>Smart phone</b>	Android™, iPhone™
<b>Video Player</b>	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.

