

## AN2003D-Z3

### 2Mega Smart Focus Vandal IR IP Dome



**SONY**  
**Exmor RS**

IP66 IK10

A-MTK "Smart focus" stands for following functions: Remote zoom/focus, P-iris, day and night auto focus. Clients no need to drive car to the site for lens adjustment. With smart focus IP camera, just sit in front of PC and remotely control the lens wide, tele, auto-focus. P-iris is to control the stepping motors and have the iris control precisely, and remotely.

Smart focus makes installation and maintenance easier and cost-saving. It is a brilliant function for project planning.

#### Key Features

1. 2Mega@60fps high frame rate
2. 2Mega@30fps True WDR mode selectable
3. H.264 and MJPEG simultaneously
4. IVA functions built-in
5. Built in IR LED and ICR for day & night surveillance
6. Motorized and P-iris lens
7. Event trigger: DI, audio detection, camera tampering, object detection, face detection, cross line

Camera	
Image Device	Sony Exmor™ 2.41 Mega-pixel image sensor, 1/2.8" size
Effective Pixels	1920x1080 pixels
Lens	<b>2.8-12mm</b> , remote motorized zoom Lens
Focus	Auto Focus
IRIS type	P-Iris
ICR type	Mechanical
IR LED	12pcs IR distance Support auto/ manual/ schedule IR LED on, off
IP Module	

Video	
<b>Video Encoder</b>	H.264 and MJPEG simultaneously
<b>Video Profile</b>	<b>Dual stream for WDR mode</b> (Resolution Adjustable)
<b>Wide Dynamic Range</b>	<b>More than 100dB (double scan sensor)</b>
<b>Frame Rate</b>	Up to 60fps for 60fps mode Up to 30fps for WDR mode
<b>Exposure Control</b>	Auto / Auto Indoor / Manual Exposure (Manual mode : 1/2~1/10,000 seconds) Photometry Method : Average / Center / Spot / BLC / FLC
<b>Image Setting</b>	AE, AWB 3D Noise reduction <b>True WDR</b> Exposure value, Color, Hue , Brightness, Contrast, Sharpness, Mirror/Flip DIS Privacy masks <b>Pixel count</b>
<b>On Screen Display</b>	Text, time and date overlay <i>Editable OSD (bitmap format)</i>
<b>Area of Interest</b>	Higher quality in AOI area
<b>Streaming</b>	Simultaneously dual 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 (H.264)
Audio	
<b>Audio Encoder</b>	RTSP: G.711 64kbps, G.726 32kbps, AAC (option, by request)
<b>Audio Streaming</b>	One-way or two-way
<b>Microphone</b>	External microphone
<b>Audio Output</b>	Adjustable audio output gain
Network	
<b>Supported Protocols</b>	IPv6, IPv4, TCP, UDP, HTTP, HTTPS, SMTP, FTP, NTP, DNS, DDNS, DHCP, DIPS, ARP, Bonjour, UPnP, RTSP, RTP, RTCP, IGMP, PPPoE, 3GPP, Samba, ICMP, SNMP , <b>QOS</b>
<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>	10/100/1000M auto negotiation

System Integration	
<b>SDK</b>	ONVIF Open API for software integration
<b>Event Detection</b>	<ul style="list-style-type: none"> <li>● External input (DI)</li> <li>● IVA trigger : Object Detection (Missing object), Camera tampering, Audio detection, Face Detection, Cross Line Detection (tripwire)</li> </ul>
<b>Object Detection</b>	Detection with Entrance , Desertion or Theft options
<b>Audio Detection</b>	Audio level 0-100
<b>Camera Tampering</b>	Camera dis-focus / move direction / mask
<b>Cross Line</b>	User defined two cross line , and user defined entrance direction
<b>Alarm Events</b>	<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 activation</li> <li>● Audio alerting output</li> <li>● mSD card local storage</li> <li>● Push notify to smart phone apps</li> </ul>
<b>Video Buffer</b>	Pre- and post- alarm buffering
General	
<b>RAM</b>	384MB
<b>ROM</b>	256MB
<b>Power Supply</b>	12V DC external power adapter or AC24V
<b>PoE</b>	IEEE 802.3af class 3
<b>Power Consumption</b>	Max. 8W (12V DC in)
<b>Connectors</b>	RJ-45 10Base-T/100Base-TX/1000Base-T 12VDC power jack 1 alarm input and 1 output RS485 Audio out External MIC input Factory default reset mSD card
<b>Indication LED</b>	Green and orange LEDs
<b>Operating Temperature</b>	-10°C to 50°C
<b>Operating Humidity</b>	20% ~ 80% (non-condensing)
<b>Contruction</b>	IP66 and IK10
Viewing System	



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<b>OS</b>	Windows® XP, Vista, 7, 8 , 8.1
<b>Browser</b>	IE 7.0 or later, Firefox 2.0 or later, Safari , Google Chrome
<b>Video Player</b>	VLC, Quick Time, Real Player, Core Player
<b>Software</b>	
<b>Search &amp; Installation</b>	IP Wizard II
<b>Easy DDNS</b>	DIPS™
<b>Bundled NVR Program</b>	<b>64ch. SecuGuard™</b> <ul style="list-style-type: none"><li>* 64ch. multi-channel supports Tri-decoder</li><li>* 16ch. video playback (simultaneously)</li><li>* Smart &amp; scrollable digital zoom. Snapshot and edit</li><li>* Motion, DI, Scheduler recording</li><li>* Fast rewind and forward (MPEG4, H.264, MJPEG rewind)</li><li>* 32x24 motion detection grids</li><li>* Smart search (by time, by motion )</li><li>* E-MAP</li><li>* Event schedule setting</li><li>* Remote service</li><li>* Camera tampering</li></ul>
<b>Bundle Mobile Phone APPS</b>	SecuAngel (Android) and iVanguard (iOS)