



## Ax63Z IP Speed Dome i3 Part# C-Ax63Z



### Features

- 3 Megapixel (2048x1536)
- Mechanical (ICR) Day/Night
- Wide Dynamic Range
- PoE+ for Indoor Applications Facilitates Easy Installation
- 180X Zoom Ratio (18X Optical +10X Digital)
- Vandal-resistant IP67 rated dome can withstand an impact of up to 750kg

### Application & Benefits

Ax63Z delivers 3 Megapixel resolution with H.264 compression for excellent image quality and faster video transmission. In addition, the Ax63Z supports MJPEG compression, which provides flexibility to meet various system requirements. Complete with an 18x optical motorized lens with auto focus and 2048 x 1536 resolution, the Ax63Z makes it possible to zoom in on small or distant objects with exceptional clarity. The user can track objects with high precision using a mouse or joystick. User can remotely pan 360 degrees, tilt 92 degrees, and 18X zoom via smart devices or a desktop computer. In low light conditions, the Ax63Z utilizes automatic day and night functionality (Mechanical ICR) to provide exceptional sharp black and white images.

The Ax63Z is durable and flexible. It can withstand an impact of 750kg and comes with an IP67 rating - the enclosure is immersed in water under defined conditions of pressure and time (up to 1 m of submersion). Built-in support for Power over Ethernet reduces cost and adds flexibility to the camera. A single cable connection is used to view, power, and control the camera in indoor applications. Installation cost is reduced since there is no need for separate cables. For outdoor applications, the AX63Z will require separate power due to higher power consumption.

The Ax63Z is ideally suited for use within the video surveillance and security industry. It is made for both indoor and outdoor environment and works well with i3 software applications: SRX-Pro, iDisplay, Video Pilot and VideoLogix. Utilizing VideoLogix will enhance the cameras ability to track human/vehicle objects. It shall detect and track any movement in the cameras field of view. When human is detected, the camera automatically follows the moving object or subject until the object or subject stops or disappears from the monitored area.

### Recommended Products



i3D702  
i3D702 Pendant Pipe  
Mount



i3D704  
i3D704 Goose Wall  
Mount with Power Box



i3D706  
i3D706 Parapet Wall  
Mount



i3D708  
i3D708 Pole Adaptor



i3D703  
i3D703 Simple Wall  
Mount Bracket



International Standards  
Organization Registered Firm  
ISO 9001 Quality System

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For design help, accessories or pricing, please contact:  
sales@avsupply or call: 1-858-565-1101

**AUDIOVIDEO SUPPLY**

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<b>Image System</b>	
Image sensor	1/2.8" CMOS
Optical zoom	18X
F-Stop Range (F-number)	F1.6 to 2.8
Focal length	f=4.7mm (wide) to 84.6 mm (tele)
Angle of view	67.3(wide) , 2.4 (tele)
Minimum Working Distance	1.5m
Synchronization system	Internal
S/N Ratio	50dB
Zoom Limit	Up to180X (Optical 18x, Digital 10x)
Focus	Auto, One- push, Manual
Minimum Illumination	F:1.6, CL:1.3 lux@50IRE, B/W: 0.5 lux@50IRE
Electric shutter	NTSC: 1/7.5 to 1/8000, PAL: 1/6.25~1/8000
Auto Slow Shutter	NTSC: 1/30, 1/15, 1/7.5, PAL: 1/25, 1/12.5, 1/6.25
AE Control	AES/ALC/Manual/Flickerless
EV Compensation	-2~+2 (9 Steps)
Backlight	Full/Off
Day/Night Mode	Mechanical ICR
Flickerless	Yes
Gain Control and White Balance	Auto / Manual
<b>Picture Effect</b>	
Wide Dynamic	Off/H/M/L
Motion Detection / Flip E-FLIP / Mirror Image	On/Off
<b>P/T Operation</b>	
Pan Range / Tilt Range	360 degrees Continuous / 92 degrees
Preset Speed	Pan: 430/s (max.) Tilt: 200/s (max.)
Proportional P/T	On/Off
Programmable Preset	128
Scan Function	Auto/Random/Frame
Alarm	6 inputs / 1 output
Manual Pan Speed / Manual Tilt Speed	0.1 - 120/s, 0.1/s: max digital zoom / 0.1 - 90/s, 0.1/s: max digital zoom
Auto Patrol / Privacy Zone	4 / On / Off, 8 zones
<b>Network Specifications</b>	
Video Compression	H.264/ MJPEG
Resolutions (NTSC)	QXGA (2048x1536), 1080 (1920x1080), 720P (1280x720), D1 (720x480), VGA (640x480), CIF (352x240)
Resolutions (PAL)	QXGA (2048x1536), 1080 (1920x1080), 720P (1280x720), D1 (720x576), VGA (640x576), CIF (352x288)
Frame Rate	1080P (1920x1080)@30fps; 3M (2048x1536)@15fps
Video Streaming	Triple streaming
Supported Protocols	IPv4, HTTP, TCP, RTSP/RTCP/RTP, ICMP, UDP, IGMP, DNS, DHCP, ARP, NTP
Applications	SDK2.0
ONVIF	Pass ONVIF Compliance tool 1.02.04
Users / Security	1 Administrator, 5 Viewers / Multiple user access levels with password protection
<b>Environment</b>	
Storage Temperature	-20C to 60C / -29F to 140F
Operating Temperature / Operating Humidity	-40C to 70C / -40F to 158F / 20%~80%RH
Weight / Dimension (diameter x H)	3.9kg (8.6lb) / 216.6mm x 324.0mm (8.53in x 12.8in)
<b>Regulation</b>	
Onboard Storage	N/A
Protection Class	CE, FCC, ONVIF
Vandal Proof / Water/Dust Ingression	750kg impact resistance / IP67
<b>Power Supply</b>	
Power Requirement / Power Consumption	Indoor: PoE+ (IEEE 802.3at) or AC24V; Low temperature outdoor: AC24V only / max. 36W with heater ON

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