DynaHawk™ ZA Series

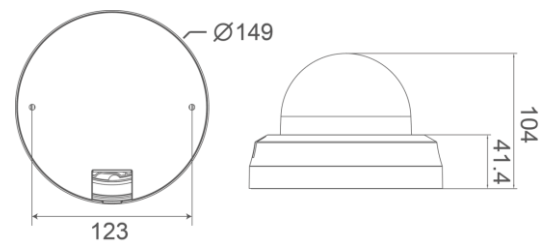## Ultra High Definition Multiple Streams Compact Dome IP Camera

The Ultra High Definition Multiple Streams Compact Dome IP Camera is a high resolution surveillance solution with easy set up design. The camera can support up to 4K2K real-time video as well as1080P 60 fps high frame rate streaming which allows the videos to be viewed smoothly. Quad Streams Codec (H.264 Baseline / Main / High Profile + MJPEG) are supported for efficient bandwidth and storage management.

The camera is also equipped with HDR function, which can provide better image quality under extreme light contrast scenarios or changing lighting environments.

In addition, full ONVIF compatibility creates powerful connection between ZA series with any VMS. With comprehensive mounting accessories, camera can be easily installed for different application.

▌ **Key Features**

• Sony Progressive Scan CMOS Sensor 6M / 8M Resolution
• Multi-exposure HDR (Multi-exposure Sensors is required)*
• Low Latency Streaming
• Low Power Consumption on Encoding
• Quad codec support (H.264 Baseline / Main Profile / High Profile / SVC / MJPEG)
• Quad Streams Support
• Tampering Alarm
• Motion Detection
• Text Overlay and Privacy Masks
• 3D Motion Compensated Noise Reduction (MCTF)
• Network Failure Detection
• True Day/Night Function (ICR)
• IR LED Module support (working distance up to 40m) *
• BNC Analog Output
• Weatherproof (IP66 International)*
• Vandal Proof (IK10 Rating) *
• 64GB microSDXC SD Card support
• ONVIF Profile S Support

Ø149
104
41.4
123

DynaHawk™ ZA Series - Ultra High Definition Compact Dome IP Camera

Camera

		Z2SD-A	Z2V6-A
Image Sensor		1/2.8" Sony Progressive CMOS	1/3" Progressive CMOS
Effective Pixels		3M (2048x1536)	4M (2688x1520)
Minimum Illumination	Color	TBD	TBD
	B/W	TBD	TBD
Shutter Speed		1 ~ 1/10000 sec.	

Lens

	Z2SD-A	Z2V6-A
Lens	Vari-focal /Motorized	Vari-focal /Motorized
Focal Length	3-10.5 mm	3-10.5 mm
F Number	F 1.4	F 1.4
FOV	° (Wide); ° (Tele)	° (Wide); ° (Tele)

Operation

Multiple Languages		English / French / German / Italian / Japanese / Korean / Portuguese / Russian / Simplified Chinese / Spanish / Traditional Chinese
Image Setting	Iris Control*	DC Iris / P-iris
	Backlight Compensation	On/Off
	White Balance	Auto / Manual / ATW / Indoor / Outdoor
	Noise Reduction 3D	Low / Middle / High / Off (w/ Motion Compensation)
	Wide Dynamic Range	Shutter WDR On / Off
	Privacy Mask	On/Off
	Brightness	Manual
	Exposure	Auto / Manual
	Sharpness	Manual
	Contrast	Manual
	Saturation	Manual
	Hue	Manual
	Digital Zoom	Support
	Motion Detection	On / Off / By Schedule
	Privacy Mask Type	Color
	ICR	Auto / On / Off / Smart
	ICR + IR LED*	Auto / LED On / LED Off / Smart IR / Light Sensor
	Tampering Alarm	On / Off / By Schedule
	Digital Image Stabilization	On/Off
Audio	Two-way Audio	Line in / Line Out
	Compression	G.711/G.726

Network

Interface		RJ-45, 1Gbps Ethernet
Video Compression		MJPEG / H.264 (MPEG-4 Part 10/AVC) Baseline / Main Profile / High Profile / SVC
Video Streaming	Dual Streams	H.264 3M @25/30 fps + H.264 SXGA @25/30 fps / Note: 1 of the 2M or under streamings can be MJPEG H.264 4M @25/30 fps + H.264 SVGA @25/30 fps / Note: 1 of the 2M or under streamings can be MJPEG
	Quad Streams	H.264 3M @25/30 fps + H.264 720P @25/30 fps + H.264 D1 @25/30 fps + H.264 CIF @25/30 fps / Note: 1 of the 2M or under streamings can be MJPEG H.264 4M @25/30 fps + H.264 VGA @25/30 fps + H.264 CIF @25/30 fps + H.264 CIF @25/30 fps / Note: 1 of the 2M or under streamings can be MJPEG
Video Resolution	H.264	3M (2048x1536) / Full HD 1080P / SXGA / 720P / XGA / SVGA / D1 / VGA / CIF / QVGA 4M (2688x1520) / Full HD 1080P / SXGA / 720P / XGA / SVGA / D1 / VGA / CIF / QVGA
	MJPEG	MJPEG - Full HD 1080P / SXGA / 720P / XGA / SVGA / D1 / VGA / CIF / QVGA
Protocol		IPv4/v6, TCP/IP, UDP, RTP, RTSP, HTTP, HTTPS, ICMP, FTP, SMTP, DHCP, PPPoE, UPnP, IGMP, SNMP, QoS, ONVIF
Security		HTTPS / IP Filter / IEEE 802.1X
Alarm	Input	1 Set / 5V 10kΩ pull up
	Output	1 Set / Photo Relay Output 300V DC/AC
Event Notification		HTTP / FTP / SMTP
Micro SD		microSDHC 32GB support
Supported Web Browser		Internet Explorer (6.0+) / Chrome / Firefox / Safari
User Account		20
Password Levels		User and Administrator

Mechanical

Built-in IR Illuminator*	Working Distance	up to 40 m
	Wavelength	850 nm
	Number of LEDs	6
LED Indicator		Power / Link / ACT
Connectors	Alarm	4 of 9 Pin Terminal Block
	Power	2 Pin Terminal Block (male)
	Ethernet	RJ-45
	Analog Video	1.0 Vp-p / 75 Ω, BNC
	Audio*	5 of 9 Pin Terminal Block

General

Operating Temperature		-10°C ~ 50°C (14° ~ 122°F) / w/Heater, powered by DC12V/AC24V/PoE: -40°C ~ 50°C (-40° ~ 122°F)	
Humidity		10% ~ 90%, No Condensation	
Weatherproof Standard*		IP66	
Dimension		Ø149 x 104 mm	
Weight		500 g (1.1 lb)	
Power Source		DC 12V / AC 24V / PoE	
Power Consumption	System	TBD	TBD
	LED	TBD	
	Heater	TBD	
Regulatory		CE / FCC	

* mark for optional items
Product specification and availability are subject to change without notice.

DYNACOLOR
always watching