

DynaHawk™ ZA Series

Ultra High Definition Multiple Streams Compact Dome IP Camera



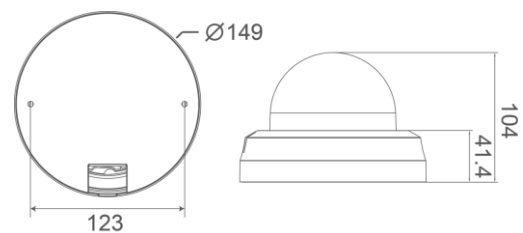
The Ultra High Definition Multiple Streams Compact Dome IP Camera is a high resolution surveillance solution with easy set up design. The camera can support up to 4K2K real-time video as well as 1080P 60 fps high frame rate streaming which allows the videos to be viewed smoothly. Quad Streams Codec (H.264 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 3M / 4M 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



DynaHawk™ ZA Series - Compact Dome IP Camera

Camera		Z4SA-A	Z4SF-A	
Image Sensor		1/1.8" Sony Progressive CMOS	1/1.7" Sony Progressive CMOS	
Effective Pixels		6M (3072x2048)	12M (4072x3076)	
Minimum Illumination	Color	TBD	TBD	
	B/W	TBD	TBD	
Shutter Speed		1 ~ 1/10000 sec.		
Lens				
Lens		Vari-focal /Motorized	Vari-focal /Motorized	
Focal Length		3-8mm	3-8mm	
F Number		F 1.2	F 1.2	
FOV		ø (Wide); ø (Tele)	ø (Wide); ø (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)		
	Binning mode	N/A	Yes	
	Wide Dynamic Range	Gamma 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	Single Stream	H.264 6M (3072x2048) @25/30 fps	H.264 4K2K (3840x2160) @25/30fps	
	Dual Streams	H.264 6M (3072x2048) @25/30 fps + 720P @25/30fps	H.264 1080P @50/60fps + H.264 1080P @25/30fps <small>Note: 1 of the streamings can be MJPEG</small>	
	Quad Streams	H.264 1080P @50/60 fps + H.264 SXGA @25/30 fps + H.264 720P @25/30 fps + H.264 D1 @25/30 fps <small>Note: 1 of the streamings can be MJPEG</small>		
Video Resolution	H.264	6M (3072 x 2048) / Full HD 1080P / SXGA / HD 720P / XGA / SVGA / D1 / VGA / CIF / QVGA	4K2K (3840 x 2160) / 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, INC.

No. 116, Jou Tz Street, Neihu, Taipei 114, Taiwan

TEL: (886)2-2659-8898

FAX: (886)2-2659-8868

http://www.dynacolor.com.tw

info@dynacolor.com.tw