

DynaHawk™ Z8 Series

Multiple Streams Ultra High Definition Fisheye IP Camera

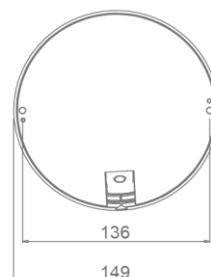


The Multiple Streams Ultra High Definition Fisheye IP Camera is a high resolution surveillance solution features 180° panoramic view (wall mount) or 360° panoramic view (ceiling mount) without blind spots. The fisheye camera supports 6 Megapixels resolution streaming at 30 fps which allows the videos to be viewed smoothly. Furthermore, the embedded 180° wall and 360° ceiling mounting selections plus multiple display modes allow Z8 to provide flexible use in locations such as transportations, shopping mall and warehouse, etc.

Moreover, the Edge Dewarping function of the camera can dewarp the fisheye source images. With this feature, the dewarped images in panoramic view or other different viewing modes can be recorded. Furthermore, with the IR LED module and noise reduction technique, camera can deliver clear images in low light conditions. Built-in microphone and speaker enable users to fulfill two-way communion. Z8 series feature high quality image and plentiful functions is the best choice for panoramic video surveillance.

■ Key Features

- Progressive Scan CMOS Sensor
- Software Dewarping: 6M Resolution + 720P Real-Time
- Edge Dewarping, Up to 4M Resolution Real-Time
- Quad Streams Compression: H.264 Baseline / Main / High Profile + MJPEG
- Multiple Dewarp Display Modes
Digital PTZ / Panorama View / Quad View
- Smart Event Function
Audio Detection / Motion Detection / Network Failure Detection / Tampering Alarm
Periodical Event / Manual Trigger Event
- Multiple and Dynamic Region of Interest (ROI) Windows
- Smart TextOverlay and Privacy Masks
- Wide Dynamic Range
- Day/Night (ICR)
- IR LED Module
- Built-in MIC & Speaker
- Smart Picture Quality / 3D Noise Reduction
- Weatherproof (IP66 International)*
- MicroSD and NAS Recording Support
- ONVIF Support



Unit: (mm)

DynaHawk™ Z8 Series - Multiple Streams Ultra High Definition Fisheye IP Camera

Camera		Z4SA-8
Image Sensor		1/1.8" Sony Progressive CMOS
Effective Pixels		6M
Minimum Illumination		0.04 lux (Color) @ F2.8 0.002 lux (B/W) @ F2.8
Shutter Speed		1 ~ 1/10000 sec.
Lens		
Lens	Stereo Projection	1/2.5" Fisheye Lens
Lens Mounting		M12
Focal Length		1.05 mm
F Number		F2.8
FOV		180 @ Full Resolution
Operation		
Multiple Languages	English / French / German / Italian / Japanese / Korean / Portuguese / Russian / Simplified Chinese / Spanish / Traditional Chinese	
	Backlight Compensation	On / Off
	White Balance	Manual / AWB / ATW / One Push
	3D Noise Reduction	On / Off (w/ Motion Compensation)
	Wide Dynamic Range	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 / LED On / LED Off / Smart IR / Light Sensor
	Tampering Alarm	On / Off / By Schedule
Audio	Two-way Audio	Built-in Speaker (Max. 2W Mono) & Microphone or 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
		Dual Streaming
	Edge Dewarping	H.264 4M (2048 x 2048) @20fps + H.264 1080P @20fps H.264 1.98M (1408 x 1408) @25/30fps + H.264 1080P @25/30fps Note: MJPEG supports for resolution of 1080p or under
		Single Streaming
		H.264 6M (3072 x 2048) @25/30 fps H.264/MJPEG 1080P @ 50/60fps
Video Streaming		Dual Streaming
	SW Dewarping	H.264 6M (3072 x 2048) @ 25/30 fps + 720P @ 25/30 fps H.264 1080P @ 50/60 fps + 1080P @ 25/30 fps Note: MJPEG supports for resolution of 1080p or under
		Quad Streaming
		PAL: H.264 1080P @50fps + H.264 1080P @50fps + H.264 VGA @50fps + H.264 CIF @50fps NTSC: H.264 1080P @60fps + H.264 SXGA @60fps + H.264 D1 @60fps + H.264 CIF @60fps Note: 1 of the streamings can be MJPEG
Video	Edge Dewarping	H.264 - 2048x2048 / 2688x1520 / 2048x1536 / 1920x1080 / 1600x1200 / 1408x1408 / 960x960 / 960x720 / 960x554
Resolution		MJPEG - 1920x1080 / 1600x1200 / 1408x1408 / 960x960 / 960x720 / 960x554
	SW Dewarping	H.264 - 6M (3072 x 2048) / Full HD 1080P / SXGA / HD 720P / XGA / SVGA / D1 / VGA / CIF / QVGA
		MJPEG - Full HD 1080P / SXGA / 720P / XGA / SVGA / D1 / VGA / CIF / QVGA
Video Windows under ePTZ		4
Video Dewrap Engine		Edge Embedded (Camera Side)
Video Analytic Engine		Edge Embedded (Camera Side)
Protocol		ARP, 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
	Input	1 Set
Alarm		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	5m
	Wavelength	850 nm
	Number of LEDs	6
	Alarm & Audio	8 Pin Terminal Block, Pitch 2.5 mm
Connectors	Power	2 Pin Terminal Block
	Ethernet	RJ-45
All-in-one Cable*		
Type	Outdoor	Indoor
Audio I/O	Line in / Line Out	Line in / Line Out
Alarm	4 Pin Terminal Block	4 Pin Terminal Block
Power	2 Pin Terminal Block / GND	N/A
General		
Operating Temperature		-10°C ~ 50°C (14° ~ 122° F)
Humidity		10% ~ 90%, No Condensation
Weatherproof Standard*		IP66
Dimension		Ø 149 x 45.8 mm (Ø 5.87 x 1.80 in.)
Weight		355g
Power Source		DC 12V / AC 24V / PoE
Power Consumption		9.1W
Regulatory		CE / FCC / RoHS

* 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