

# DynaHawk™ Z8 Series

## Multiple Streams Ultra High Definition Fisheye IP Camera

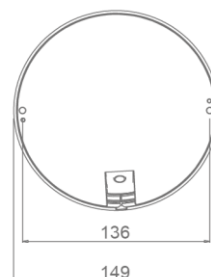


The Multiple Streams Ultra High Definition Fisheye IP Camera is a high resolution surveillance solution features 180° panoramic view (wall mount) or 360° panoramic view (ceiling mount) without blind spots. The fisheye camera supports 6 Megapixels resolution streaming at 30 fps which allows the videos 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 communication. 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
	Edge Dewarping	Dual Streaming 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
	Video Streaming	Single Streaming H.264 6M (3072 x 2048) @25/30 fps H.264/MJPEG 1080P @ 50/60fps
	SW Dewarping	Dual Streaming 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
	Video	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
	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		
	Working Distance	5m
	Wavelength	850 nm
	Number of LEDs	6
	Alarm & Audio	8 Pin Terminal Block, Pitch 2.5 mm
	Power	2 Pin Terminal Block
	Ethernet	RJ-45
All-in-one Cable*		
	Type	Outdoor
	Audio I/O	Line in / Line Out
	Alarm	4 Pin Terminal Block
	Power	2 Pin Terminal Block / GND
		Indoor
		Line in / Line Out
		4 Pin Terminal Block
		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.



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