

# DynaHawk™ ZF Series

Hyper Mini Rugged Dome IP Camera

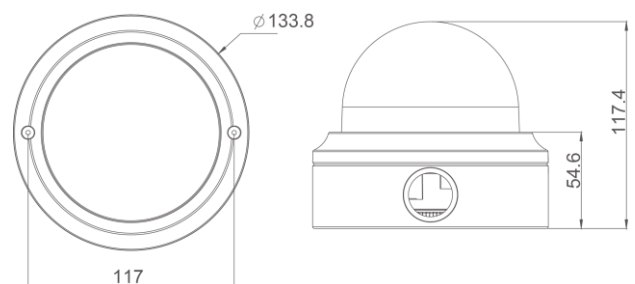


The Hyper Mini Rugged Dome IP Camera is an easy setup camera with PoE supported to reduce complicate cabling without sacrificing performance. Quad Streams Compression (H.264 Baseline / Main / High Profile + MJPEG) are supported for efficient bandwidth and storage management. Up to 4M real-time resolution is offered for providing high definition images. For dark environments, the camera has ture WDR, 3DNR and Day/Night ICR technologies to capture clear images.

The compact outlook design of ZF Series is ideal for hard surface mount installation, and with conduit for cabling in outdoor environment. Meanwhile, the modulized design of ZF Series makes the installation even more easier by snapping on the camera module after housing installation directly. Mounting accessories like in-ceiling mount, wall mount bracket, pendant mount kit are all available for ZF Series.

## Key Features

- Progressive Scan CMOS Sensor 4M / 3M Resolution\*
- Quad codec support (H.264 Baseline / Main Profile / High Profile / 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
- RS-485 Support
- Weatherproof (IP66 International)
- Vandal Proof (IK10 Rating)
- 64GB SDXC SD Card support
- ONVIF Profile S Support



# DynaHawk™ ZF Series - Hyper Mini Rugged IP Camera

Camera		Z2SD-F	Z2V6-F	
Image Sensor		1/2.8" Sony Progressive CMOS	1/3" Progressive CMOS	
Effective Pixels		3M (2048x1536)	4M (2688x1520)	
Minimum Illumination		TBD	TBD	
Shutter Speed			1 ~ 1/10000 sec.	
Lens				
Lens		Motorized	Motorized	
Focal Length		3-9 mm	3-9 mm	
F Number		F1.7	F1.7	
FOV		TBD	109 ° (Wide); 33 ° (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 / One Push		
	Noise Reduction	3DNR / 2DNR / Color NR		
	Wide Dynamic Range	Shutter WDR On / Off (< 120 dB)		
	Privacy Mask	On/Off		
	Brightness	Manual		
	Exposure	Auto / Manual		
	Sharpness	Manual		
	Contrast	Manual		
	Saturation	Manual		
	Hue	Manual		
	Digital Zoom	Support		
Privacy Mask Type	Color			
ICR	Auto / Night / Day / Smart			
ICR + IR LED*	Auto / Night / Day / LED On / LED Off / Smart IR / Light Sensor			
IR Threshold	Adjustable Levels			
Event Setting	Motion Detection	By Schedule / On / Off		
	Tampering Alarm	By Schedule / On / Off		
	Network Failure Detection	By Schedule / On / Off		
	Audio Detection	On / Off		
Audio	Two-way Audio	Line in / Line Out		
	Compression	G.711 / G.726 / AAC / LPCM		
	Bit rate	G.726 : 16Kbps/24Kbps/32Kbps/40Kbps, G.711 : uLAW(64Kbps)/ALAW(64Kbps), AAC:128 Kbps, PCM: 128Kbps/256Kbps/384Kbps/768Kbps		
	Sampling rate	8 KHz		
Network				
Interface		RJ-45, 1Gbps Ethernet		
Video Compression		MJPEG / H.264 (MPEG-4 Part 10/AVC) Baseline / Main Profile / High Profile		
Video Streaming	Dual Streams	Linear mode	H.264 3M (2048x1536) @25/30 fps + H.264 SXGA @25/30 fps	H.264 4M (2688x1512)@25/30 fps + H.264 SVGA @25/30 fps
		HDR mode	H.264 3M (2048x1536) @15 fps + H.264 SXGA @15 fps Note: 1 of the 2M or under streamings can be MJPEG	H.264 4M (2560x1440) @15 fps + H.264 720P @15 fps Note: 1 of the 2M or under streamings can be MJPEG
	Quad Streams	Linear mode	H.264 3M (2048x1536) @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 (2688x1512) @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
		MJPEG	3M (2048x1536) / Full HD 1080P / SXGA / 720P / XGA / SVGA / D1 / VGA / CIF / QVGA	4M (2688x1512 or 2560x1440) / Full HD 1080P / SXGA / 720P / XGA / SVGA / D1 / VGA / CIF / QVGA
Protocol		Full HD 1080P / SXGA / 720P / XGA / SVGA / D1 / VGA / CIF / QVGA		
Security		IPv4/v6, TCP/IP, UDP, RTP, RTSP, HTTP, HTTPS, ICMP, FTP, SMTP, DHCP, PPPoE, UPnP, IGMP, SNMP, QoS, ONVIF		
Alarm	Input	1 Set, 5V 10kΩ pull up		
	Output	1 Set, Photo Relay Output 300V DC/AC		
RS-485		Pelco D / Pelco P / Universal		
Event Notification		HTTP / FTP / SMTP		
SD		SDXC 64GB 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 (Female)		
	Ethernet	RJ-45		
	Analog Video	1.0 Vp-p / 75 Ω, BNC		
	Audio	5 of 9 Pin Terminal Block		
RS-485		3 Pin Connector		
General				
Operating Temperature		w/o Heater: -20°C ~ 50°C (-4° ~ 122°F) w/Heater: -50°C ~ 50°C (-58° ~ 122° F)		
Start-up Temperature		w/o Heater: -10°C ~ 50°C (14° ~ 122°F) w/Heater: -50°C ~ 50°C (-58° ~ 122° F)		
Humidity		10% ~ 90%, No Condensation		
Weatherproof Standard*		IP66		
Dimension		Ø 133.8 x 117.4 mm (Ø 5.2 x 4.6 in.)		
Weight		725 g (1.60 lb)		
Power Source		DC 12V / AC 24V / PoE (802.3af)		
Power Consumption	Operation (802.3af)	System Others	5.6W	
	Cold Start (802.3af)	Heater	Zoom/Motorized Lens: + 0.55W / IR LED: +3.2W / ICR Switching: +0.5W / Heater: +3W	
Regulatory		11.5W 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