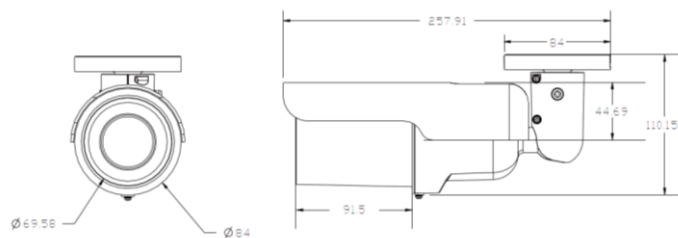# Dynacolor Z5 Series

Hyper IR Bullet IP Camera

The Network Dynacolor Z5 series Hyper IR Bullet IP Camera equips with SONY back-illuminated CMOS sensor which supports 4K2K resolution. Built-in with an outstanding processing engine, the camera delivers 4K2K real-time streaming that provides 4 times details of Full HD resolution without sacrificing the frame rate. Software features, such as Privacy masks and ROI windows, further extend the range of camera application. The new generation built-in IR LED module emits sufficient infrared lights to light up the area under surveillance without the help of any additional lighting devices. The cable management bracket not only saves the time on installation but also keeps the cables from sabotage. With the international IP66 rating and weather-proof design, the Bullet IP camera can also perform stably in harsh environments.

▎ Key Features

- 6MP / 8MP Progressive Scan CMOS Sensor
- Ultra HD 4K2K @ 30fps or 6MP @ 30fps + 720P @ 30fps
- Quad Streams Compression- H.264 Baseline / Main / High Profile + MJPEG
- Multiple and Dynamic ROI Windows
- 3D Motion Compensated Noise Reduction (MCTF)
- Text Overlay and Privacy Masks
- microSD Support
- Remote Zoom & Focus (Motorized Lens)*
- Motion Detection
- Smart IR Mode
- Network Failure Detection
- Day/Night (ICR)
- IR LED Module (working distance up to 50 m)
- Weatherproof (IP66 International)
- Integrated Mounting Bracket with Cable Management
- ONVIF Support

Dynacolor Z5 Series - Ultra High Definition IR Bullet IP Camera

Camera

Camera		Z4SA-5	Z4SF-5
Image Sensor		1/1.8" Sony Progressive CMOS	1/1.7" Sony Progressive CMOS
Effective Pixels		6M (3072x2048)	8M (3840x2160)
Minimum Illumination	Color	TBD	0.05 lux
	B/W	TBD	0.005 lux
Shutter Speed		1 ~ 1/10000 sec.	

Lens

Lens	Vari-focal /Motorized	Vari-focal /Motorized
Focal Length	3-8mm	3.5-8mm
F Number	F 1.2	F 1.45
FOV	TBD	116º (Wide); 52º (Tele)

Operation

		Z4SA-5	Z4SF-5
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 3D	Low / Middle / High / Off (w/ Motion Compensation)	
	Binning mode	N/A	Yes
	Wide Dynamic Range	Gamma WDR On / Off	
Image Setting	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 / On / Off / Smart	
	ICR + IR LED*	Auto / LED On / LED Off / Smart IR / Light Sensor	
Event Setting	Motion Detection	On / Off / By Schedule	
	Tampering Alarm	On / Off / By Schedule	
	Network Failure Detection	By Schedule / On / Off	
	Audio Detection	On / Off	
Audio	Two-way Audio	Line in / Line Out	
	Compression	G.711/G.726	

Network

		Z4SA-5	Z4SF-5
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 @50/60 fps + H.264 1080P @25/30 fps Note: 1 of the streamings can be MJPEG
	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 Note: 1 of the streamings can be MJPEG	
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	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, ARP	
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		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 50 m
	Wavelength	850 nm
	Number of LEDs	6
LED Indicator		Power / Link / ACT
Connectors	Alarm	4 Pin Terminal Block
	Power	3 Pin Terminal Block
	Ethernet	RJ-45
	Analog Video	1.0 Vp-p / 75 Ω, BNC
	Audio*	Stereo phone jack, Φ 3.5 mm

General

Operating Temperature	-20°C ~ 50°C (-4° ~ 122°F) w/Heater, powered by DC12V/AC24V/PoE: -40°C ~ 50°C (-40° ~ 122° F)
Start-up 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	Ø 90 x 270 mm (Ø 3.3 x 7.6 in.)
Weight	940 g (2.07 lb)
Power Source	DC 12V / AC 24V / PoE
Power Consumption	DC 12V: 15W AC 24V: 13W PoE: 12W
Regulatory	CE / FCC / RoHS / LVD

* mark for optional items

Product specification and availability are subject to change without notice.