DYNACOLOR
always watching

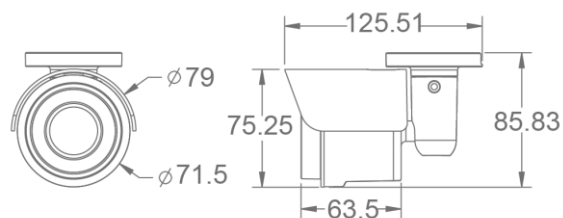# Dyna**Hawk**™ WJ Series

Full HD Multiple Streams Micro Bullet IP Camera

The J type Micro Bullet IP Camera is a compact camera with an easy setup design. PoE is supported to reduce complicated cabling without sacrificing performance. 2 Megapixel Resolution is available for providing high definition images. Quad Streams Compression (H.264 Baseline / Main / High Profile + MJPEG) are supported for efficient bandwidth and storage management. Moreover, the camera is featured with functions such as WDR, 3D Noise Reduction, Day/Night ICR, etc. With the compact/elegant design and powerful function, this camea would be the perfect solution for installation in retail stores, hotels and samll office.

▪ **Key Features**

- Progressive Scan Sony CMOS Sensor
- 3M Resolution
- Quad Streams Support
- Dual Streams- Full HD 1080P Real-time + D1 Real-time
- Quad Streams Compression- H.264 Baseline / Main / High Profile + MJPEG
- Multi-language Support
- Wide Dynamic Range
- Two-Way Audio Support
- Motion Detection
- Privacy Masks
- Smart Picture Quality / 3D Noise Reduction
- Smart IR Mode
- Day/Night (ICR)
- IR LED Module (working distance up to 15 m)
- microSD Support
- Weatherproof (IP66 International)*
- Sunshield
- Integrated Mounting Bracket with Cable Management*
- BNC Analog Output*
- ONVIF Support

DynaHawk™ WJ Series - Micro Bullet IP Camera

▌ Camera

	W3S1-J
Image Sensor	1/2.8" Progressive CMOS
Effective Pixels	1920(H) x 1080(V)
Minimum Illumination	0.2 lux (color)/ 0.02 lux (B/W) @30 IRE
Shutter Speed	1 ~ 1/10000 sec.

▌ Lens

Lens	board / vari-focal
Focal Length	board lens: 2.8 mm / 3.6 mm vari-focal lens: 3 - 6 mm / 3 - 10.5 mm
F Number	board lens: F 2.0 / F 1.8 vari-focal lens: F 2.0 / F 1.4
FOV	board lens: 90.34° / 71.8° vari-focal lens: 100.8° (Wide) ; 57.3° (Tele) / 95°

▌ 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
	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 / On / Off / Smart
	ICR+IR LED*	Auto / LED On / LED Off / Smart IR / Light Sensor
	Tampering Alarm	On / Off / By Schedule
Audio	Two-way Audio	Indoor: Terminal Block Outdoor: N/A
	Compression	G.711/G.726

▌ Network

Interface		RJ-45, 10/100 Mbps Ethernet
Video Compression		H.264 (MPEG-4 Part 10/AVC) / MJPEG
Video Streaming		Dual Streams H.264 + MJPEG / H.264 + H.264 Quad Streams H.264*3 + MJPEG / H.264*4
Video Resolution		H.264- 3M/ Full HD 1080P / SXGA / HD 720P / XGA / SVGA / D1 / VGA / CIF MJPEG- Full HD 1080P / SXGA / HD 720P / XGA / SVGA / D1 / VGA / CIF
Frame Rate		Dual Streams : 2048 x 1536 (15 fps) + 720p (15 fps) 1080p (25 / 30 fps) + D1 (25 / 30 fps)
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
Alarm	Input	Indoor: 1 Set 5V 10kΩ pull up Outdoor: N/A
	Output	Indoor: 1 Set Photo Relay Output 300V DC/AC Outdoor: N/A
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

		Indoor	Outdoor
Built-in IR Illuminator*	Working Distance	up to 15 m	
	Wavelength	850 nm	
	Number of LEDs	board lens : 18 pcs vari-focal lens : 3 pcs	
LED Indicator		Power / Link / ACT	
Connectors	Type	Indoor	Outdoor
	Alarm	4 of 7 Pin Terminal Block (Female)	N/A
	Power	DC Jack	DC Jack on all-In-One Cable*
	Ethernet	RJ-45	RJ45 on all-In-One Cable*
	Analog Video	1.0 Vp-p / 75 Ω, BNC	N/A
	Audio*	3 of 7 pin Terminal Block	N/A

▌ General

	Board lens	vari-focal lens
Operating Temperature	-10°C ~ 50°C (14° ~ 122° F)	
Humidity	10% ~ 90%, No Condensation	
Weatherproof Standard*	IP66 (Optional)	
Dimension	Indoor: Ø 71.5 x 58.5 mm (Ø 2.815 x 2.3 in.) Outdoor w/ cable management: Ø 71.5 x 125.5 x 91.15 mm (Ø 2.815 x 4.94 x 3.58 in.)	
Weight	330g	
Power Source	PoE / DC12V	
Power Consumption	System: 2.5 W (Built-in IR Illuminator: +1.3W)	
Regulatory	CE / FCC	

* mark for optional items
Product specification and availability are subject to change without notice.