

# DynaHawk™ WA Series

Full HD Multiple Streams Compact Dome IP Camera

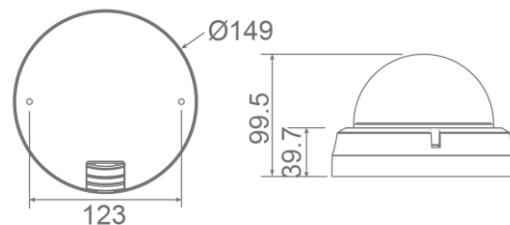


The Full HD Multiple Streams Compact Dome IP Camera is a compact camera with an easy setup design. High Power PoE is supported to reduce complicated cabling without sacrificing performance. Quad Streams Compression (H.264 Baseline / Main / High Profile + MJPEG) are supported for efficient bandwidth and storage management. For dark environments, the camera has incorporated WDR, 3DNR and Day/Night ICR technologies to capture clear images in lowlight conditions.

In addition, full ONVIF compatibility creates powerful connection between WA series with any VMS. With comprehensive mounting accessories, camera can be easily installed for different application.

## ■ Key Features

- Progressive Scan CMOS Sensor
- Dual Streaming- Full HD 1080P Real Time + D1 Real Time
- Quad Streams Compression- H.264 Baseline / Main / High Profile + MJPEG
- Multi-language Support
- Tampering Alarm
- Remote Zoom & Focus (Motorized Lens)\*
- Wide Dynamic Range
- Motion Detection
- Privacy Masks
- Smart Picture Quality / 3D Noise Reduction
- Vertical View Mode (Image rotation by 90 degrees)
- Smart IR Mode
- Network Failure Detection
- Day/Night (ICR)
- IR LED Module (working distance up to 25 m)\*
- microSD Support
- BNC analog output
- Weatherproof (IP66 International)
- High Power PoE (PoE+)
- ONVIF Support



# DynaHawk™ WA Series - Compact Dome IP Camera

Camera		W3A2-A(X0SG-M)	W3S1-A
Image Sensor		1/2.5" Progressive CMOS	1/2.8" Sony Progressive CMOS
Effective Pixels		2592(H) x 1944(V)	2048(H) x 1536(V)
Minimum Illumination		Motorized & Vari-focal: TBD 3x AF: 0.2 lux (Color)/ 0.02 lux (B/W)	Motorized & Vari-focal: 0.2 lux (Color)/ 0.02 lux (B/W) 3x AF: 0.2 lux (Color)/ 0.02 lux (B/W)
Shutter Speed		1 ~ 1/10000 sec.	
Lens		Vari-focal / Motorized / Auto Focus	
Focal Length		Vari-focal / Motorized: 3.3 - 10.5 mm 3x AF: 3.6 - 9mm	Motorized & Vari-focal : 3 - 10.5mm 3x AF: 3 - 9mm
F Number		Motorized & Vari-focal: F1.4 3x AF: F1.2	Motorized & Vari-focal: F1.4 3x AF: F1.2
FOV		Motorized & Vari-focal: 87.88° (Wide); 34.35° (Tele) 3x AF: 104° (wide); 37° (Tele)	Motorized & Vari-focal: 95° (Wide) ; TBD (Tele) 3x AF: 99.78° (Wide) ; 35.18° (Tele)
Operation		English / French / German / Italian / Japanese / Korean / Portuguese / Russian / Simplified Chinese / Spanish / Traditional Chinese	
Multiple Languages		English / French / German / Italian / Japanese / Korean / Portuguese / Russian / Simplified Chinese / Spanish / Traditional Chinese	
IRIS Control*		3x: P-IRIS & DC-IRIS Motorized & Vari-focal: DC-IRIS	
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	
Two-way Audio		Line in / Line Out	
Audio Compression		G.711/G.726	
Network		RJ-45, 10/100 Mbps Ethernet	
Interface		H.264 (MPEG-4 Part 10/AVC) / MJPEG	
Video Compression		Dual Streams H.264 + MJPEG / H.264 + H.264 Quad Streams H.264*3 + MJPEG / H.264*4	
Video Streaming		H.264- 2592 x 1944 (5M) / 2048 x 1536 (3M) / Full HD 1080P / SXGA / HD 720P / XGA / SVGA / D1 / VGA / CIF MJPEG- Full HD 1080P / SXGA / HD 720P / XGA / SVGA / D1 / VGA / CIF	
Video Resolution		H.264- 2048 x 1536 (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		5M Dual Streams - H.264 2592 x 1944 (12 fps) + H.264/MJPEG D1 (12 fps) 3M Dual Streams - H.264 2048 x 1536 (15 fps) + H.264/MJPEG 720p (15 fps) 2M Dual Streams - H.264 1080P (30/25 fps) + H.264/MJPEG D1 (30/25 fps)	
Protocol		3M Dual Streams - H.264 2048 x 1536 (15 fps) + H.264/MJPEG 720p (15 fps) 2M Dual Streams - H.264 1080P (30/25 fps) + H.264/MJPEG D1 (30/25 fps)	
Security		ARP, 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	
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		up to 25 m	
Built-in IR Illuminator*	Working Distance	850 nm	
	Wavelength	24	
	Number of LEDs	Power / Link / ACT	
LED Indicator		4 of 9 Pin Terminal Block	
	Alarm	4 Pin Terminal Block	
	Power	RJ-45	
Connectors	Ethernet	1.0 Vp-p / 75 Ω, BNC	
	Analog Video	5 of 9 Pin Terminal Block	
	Audio*		
General		-10°C ~ 50°C (14° ~ 122° F) w/Heater, powered by DC12V/AC24V/PoE+ : -40°C ~ 50°C (-40° ~ 122° F)	
Operating Temperature		10% ~ 90%, No Condensation	
Humidity		IP66	
Weatherproof Standard*		Ø 133 x 115 mm (Ø 5.2 x 4.5 in. )	
Dimension			
Weight		w/ Heater, DC 12V / AC 24V / PoE+	
Power Source		System : max 5W	
Power Consumption		(IRLED : +max 3.6W / Heater : +max 6.5W / Motorized : +max 2.5W / 3x AF : +max 2.5W)	
Regulatory		CE / FCC	

\* mark for optional items

Product specification and availability are subject to change without notice.



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