

# DynaHawk™ WA Series

## Full HD Multiple Streams Compact Dome IP Camera

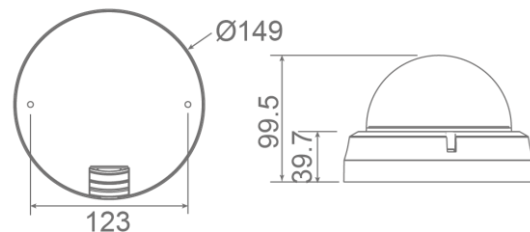


The Full HD Multiple Streams Compact Dome IP Camera is a compact camera with an easy setup design. High Power PoE is supported to reduce complicated cabling without sacrificing performance. Quad Streams Compression (H.264 Baseline / Main / High Profile + MJPEG) are supported for efficient bandwidth and 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		W1V1-A	W1S1-A
Image Sensor		1/2.7" Progressive CMOS	1/2.8" Sony Progressive CMOS
Effective Pixels		1920(H) x 1080(V)	
Minimum Illumination		Motorized & Vari-focal: 0.2 lux (Color)/ 0.02 lux (B/W) 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		Motorized & Vari-focal : 3 - 10.5 mm 3x AF: 3 - 9mm	
F Number		Motorized & Vari-focal: F1.4 3x AF: F1.2	
FOV		Motorized & Vari-focal: 103° (Wide) ; 34.35 (Tele) 3x AF: 108° (Wide); 41° (Tele)	Motorized & Vari-focal: 90° (Wide) ; TBD (Tele) 3x AF: 96.12° (Wide); 32.04° (Tele)
Operation		English / French / German / Italian / Japanese / Korean / Portuguese / Russian / Simplified Chinese / Spanish / Traditional Chinese	
Image Setting	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		
Audio	Tampering Alarm	On / Off / By Schedule	
	Two-way Audio	Line in / Line Out	
	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- 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		Single stream - 1080p (15/13 fps) Dual Streams - 1080p (15/13 fps) + 720p (30/25 fps)	
Frame Rate		ARP, IPv4/v6, TCP/IP, UDP, RTP, RTSP, HTTP, HTTPS, ICMP, FTP, SMTP, DHCP, PPPoE, UPnP, IGMP, SNMP, QoS, ONVIF	
Protocol		HTTPS / IP Filter / IEEE 802.1X	
Security		1 Set 5V 10kΩ pull up	
Alarm	Input	1 Set	
	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 up to 25 m	
Built-in IR Illuminator*	Wavelength	850 nm	
	Number of LEDs	24	
	LED Indicator	Power / Link / ACT	
Connectors	Alarm	4 of 9 Pin Terminal Block	
	Power	4 Pin Terminal Block	
	Ethernet	RJ-45	
	Analog Video	1.0 Vp-p / 75 Ω, BNC	
	Audio*	5 of 9 Pin Terminal Block	
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*		Ø149 x 99.5 mm	
Dimension		Vari-focal: Vari-focal: 480 g (1.06 lb) Motorized: 490 g (1.08 lb) 3X AF: 650 g (1.43 lb)	
Weight		w/ Heater, DC 12V / AC 24V / PoE+	
Power Source		System : max 5W (IRLED : +max 3.6W / Heater : +max 6.5W / Motorized : +max 2.5W / 3x AF : +max 2.5W)	
Power Consumption		CE / FCC	
Regulatory			

\* mark for optional items

Product specification and availability are subject to change without notice.