

# DynaHawk™ W2 Series

Full HD Multiple Streams Vandal Dome IP Camera

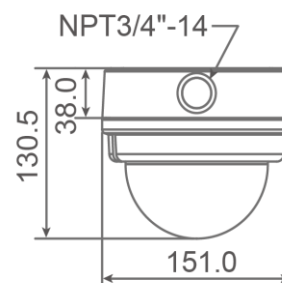


The Full HD Multiple Streams Vandal Dome IP Camera features decent low light performance, high resolution up to 5 Megapixel, various video resolution combination, multiple video compression formats, etc. It also supports true day / night and 3DNR function, which display clear images in low light conditions. Moreover, the proprietary SPQ (Smart Picture Quality) function allows delivering quality images especially under intensive motion and low light conditions. With the built-in IR LED module, it makes visibility in nearly total darkness.

With H.264 High / Main / Baseline profile and MJPEG video compression formats support, it is beneficial for optimization of bandwidth and network resources. Video quad-stream support allows various surveillance applications and facilitates working with other back-end devices.

## Key Features

- Progressive Scan CMOS Sensor
- 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)
- Sunshield & Pendent Mount Housing\*
- ONVIF Support



# DynaHawk™ W2 Series - Vandal Dome IP Camera

Camera		W3A2-2	W3S1-2
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	
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		
Tampering Alarm	On / Off / By Schedule		
Audio	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- 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		-10°C ~ 50°C (14° ~ 122° F)	
Built-in IR Illuminator*	Working Distance	up to 25 m	
	Wavelength	850 nm	
	Number of LEDs	24	
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*	Line in / Line Out	
General		-10°C ~ 50°C (14° ~ 122° F) w/ Heater & Fan, Powered by DC 12V: -30°C ~ 50°C (-22° ~ 122° F) / w/ Heater & Fan, Powered by AC 24V: -35°C ~ 50°C (-31° ~ 122° F)	
Operating Temperature			
Humidity		10% ~ 90%, No Condensation	
Weatherproof Standard*		IP66	
Dimension		Indoor : Ø 151 x 130 mm (Ø 5.9 x 5.1 in.) Outdoor: Ø 170 x 210 mm (Ø 6.7 x 8.3 in.)	
Weight		Indoor: 800 g (1.8 lb) Outdoor: 1300 g (2.9 lb)	
Power Source		DC 12V / AC 24V / PoE	
Power Consumption		System: 5 W (Heater: +6 W, Fan: +1 W, Built-in IR Illuminator: +3 W, Motorized Lens: +3.6 W, 3x lens: +3W)	
Regulatory		CE / FCC	

\* mark for optional items

Product specification and availability are subject to change without notice.