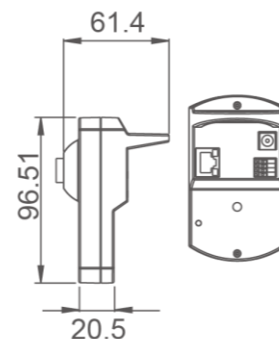# DynaHawk™ WH Series

Full HD Multiple Streams Micro Box IP Camera (WiFi / PoE)

The Full HD Multiple Streams Micro Box IP Camera is not only an easy setup camera, but a versatile solution for homes and small offices. For WiFi model, users can install the wireless IP camera in any place with Wi-Fi access. In addition, the both type of micro box camera has built-in microphone and speaker which allows two-way audio communication. For low light environments, the IP camera has incorporated Day/Night ICR technologies to capture clear images. 2 Megapixel resolution is supported for providing high definition images. Quad Streams Compression (H.264 Baseline / Main / High Profile + MJPEG) are available for efficient bandwidth and storage management. Users now can remotely and clearly watch over their families and homes via mobile devices while they are at work or even traveling.

▋ Key Features

- Progressive Scan CMOS Sensor
- 2M Resolution
- Quad Streams Support
- Dual streams- Full HD 1080P + 720P Real-time
- Quad Streams Compression- H.264 Baseline / Main / High Profile + MJPEG
- Multi-language Support
- Wireless Network Support (WiFi model only)
- Wide Dynamic Range
- Built-In Microphone and Speaker*
- Motion Detection
- Privacy Masks
- Smart Picture Quality / 3D Noise Reduction
- Smart IR Mode
- Day/Night (ICR)
- IR LED Module (working distance up to 5 m)*
- microSD Support
- ONVIF Support

DynaHawk™ WH Series - Micro Box IP Camera

Camera	W1V1-H	W1S1-H
Image Sensor	1/2.7" Progressive CMOS	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 lens	
Focal Length	2.8 mm / 3.6 mm	
F Number	F 2.0 / F 1.8	
FOV	105° / 87.6°	90.34° / 71.8°

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	Embedded Mic in / Embedded Speaker Out*	
	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- 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	Single stream - 1080p (15/13 fps) Dual Streams - 1080p (15/13 fps) + 720p (30/25 fps)	
Protocol	ARP, IPv4/v6, TCP/IP, UDP, RTP, RTSP, HTTP, HTTPS, ICMP, FTP, SMTP, DHCP, PPPoE, UPnP, IGMP, SNMP, QoS, ONVIF	
Security	PoE: HTTPS / IP Filter / IEEE 802.1X WiFi: HTTPS / IP Filter / IEEE 802.1X (WPA, WPA2)/Shared Key/Pair-wise Key	
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		
Built-in IR Illuminator*	Working Distance	up to 5 m
	Wavelength	850 nm
	Number of LEDs	2
LED Indicator	PoE: Power / Link / ACT ; WiFi: Power (Green) / WIFI (Orange)	
Connectors	Alarm	4 Pin Terminal Block
	Power	PoE: DC Jack / WiFi: Micro USB (with 1A USB charger)
	Ethernet	PoE: RJ-45 ; WiFi: N/A

General	W1V1-H	W1S1-H
Operating Temperature	-10°C ~ 50°C (14° ~ 122° F)	
Humidity	10% ~ 90%, No Condensation	
Weatherproof Standard*	IP66	
Dimension	96.51 x 56 x 61.4 mm (3.78 x 2.2 x 2.42 in.)	
Weight	120g	
Power Source	PoE: DC 12V / PoE ; WiFi: 1A USB charger	
Power Consumption	WiFi: System 3 W (Built-in IR Illuminator: +0.8W) PoE: System 3.2 W (Built-in IR Illuminator: +1W)	WiFi: System 3.2 W (Built-in IR Illuminator: +0.8W) PoE: System 3.4 W (Built-in IR Illuminator: +1W)
Regulatory	CE / FCC	

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