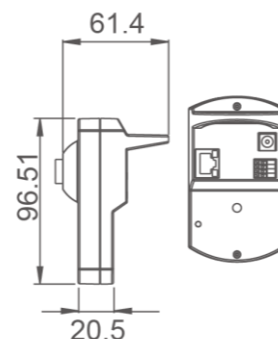# DynaHawk™ WH Series

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 and 3 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 Sony CMOS Sensor
- 2M/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
- 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	W3S1-H
Image Sensor	1/2.8" Progressive CMOS
Effective Pixels	2048(H) x 1536(V)
Minimum Illumination	TBD
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	94.36° / 75.3°

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- 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	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	
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 3.2 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.