


# DynaHawk™ W7 Series

Full HD Multiple Streams Zoom AF Box IP Camera



The Full HD Multiple Streams Zoom AF Box IP Camera integrates superior Sony Progressive CMOS sensor with 3x auto-focus zoom lens. The IP camera is capable of delivering Multi-streaming Full HD 1080P Real-time video. In addition to MJPEG Real-time streaming, the camera develops superior H.264 codec to smoothly deliver Full HD video streaming over the internet without distortion. The camera is also featured with WDR, 3D Noise Reduction, RS-485 support, etc. The camera offers strengthened support for surveillance application that demands consistent precision zoom control while high resolution and superior video quality are requisite.

## ■ Key Features

- Sony Progressive CMOS Sensor
- 3x Zoom Auto Focus - Focal Length- 3x- 3.0 ~ 9.0 mm
- 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
- Smart Event Function 
  - Audio Detection / Motion Detection / Network Failure Detection / Tampering Alarm
- 3D Noise Reduction / Smart Picture Quality
- Vertical View Mode (Image rotation by 90 degrees)
- Day/Night (ICR)
- Privacy Masks
- microSD and NAS Support
- BNC Analog Output
- RS-485 Support
- ONVIF Support

# DynaHawk™ W7 Series - Zoom AF Box IP Camera

Camera		W3S1-7	W3A2-7	
Image Sensor		1/2.8" Sony Progressive CMOS	1/2.5" Progressive CMOS	
Effective Pixels		2048(H) x 1536(V)	2952(H) x 1944(V)	
Minimum Illumination		0.2 lux (Color) @ F 1.2	0.2 lux (Color) @ F 1.2	
Shutter Speed		0.02 lux (B/W) @ F1.2	0.02 lux (B/W) @ F1.2	
		1 ~ 1/10000 sec.		
Lens				
Lens	3x Optical Zoom, Auto Focus			
Focal Length	3-9mm			
F Number	3x: F1.2 (Wide); F2.1 (Tele)			
Operation				
Multiple Languages	English / French / German / Italian / Japanese / Korean / Portuguese / Russian / Simplified Chinese / Spanish / Traditional Chinese			
Image Setting	Backlight Compensation	On / Off		
	White Balance	Manual / AWB / ATW		
	Brightness	Manual		
	Exposure	Auto / Manual		
	Sharpness	Manual		
	Contrast	Manual		
	Saturation	Manual		
	Hue	Manual		
	Iris Control	P-Iris & DC-Iris		
	Noise Reduction	3D	On / Off (w/ Motion Compensation)	
	Wide Dynamic Range	On / Off		
	Digital Zoom	Support 8x		
	ICR	Auto / On / Off		
	Privacy Mask	On / Off		
	Region of Interest	On / Off		
Event Setting	Network Failure Detection	By Schedule / On / Off		
	Audio Detection	On / Off		
	Motion Detection	By Schedule / On / Off		
	Tampering Alarm	By Schedule / On / Off		
Audio	Two-way Audio	Built-in MIC / Two-way Audio (Line in / Line 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 Streaming	3M - H.264 2048 x 1536 (15 fps) + H.264/MJPEG 720p(15 fps)	5M - H.264 2592 x 1944 (12 fps) +H.264/MJPEG D1 (12 fps)	
		2M - H.264 1080P (30/25 fps) + H.264/MJPEG D1(30/25 fps)	3M - H.264 2048 x 1536 (15 fps) +H.264/MJPEG 720p (15 fps) 2M - H.264 1080P (30/25 fps) +H.264/MJPEG D1 (30/25 fps)	
Video Resolution	H.264- 2048 x 1536 (3M) / Full HD 1080P / HD 720P / XGA / SVGA / D1 / VGA / CIF		H.264- 2592 x 1944 (5M) / 2048 x 1536 (3M) / Full HD 1080P / HD 720P / XGA / SVGA / D1 / VGA / CIF	
	MJPEG- Full HD 1080P / HD 720P / XGA / SVGA / D1 / VGA / CIF		MJPEG- Full HD 1080P / HD 720P / XGA / SVGA / D1 / VGA / CIF	
Protocol	ARP, IPv4/v6, TCP/IP, UDP, RTP, RTSP, HTTP, HTTPS, ICMP, FTP, SMTP, DHCP, PPPoE, UPnP, IGMP, SNMP, QoS, ONVIF			
Security	HTTPS / IP Filter / IEEE 802.1X			
Alarm	Input	1 Set 5V 10kΩ pull up		
	Output	1 Set Photo Relay Output 300V DC/AC		
Event Notification	HTTP / FTP / SMTP			
Storage	Local	microSDHC 32GB support		
	Network	NAS		
Supported Web Browser	Internet Explorer (6.0+) / Chrome / Firefox / Safari			
User Account	20			
Password Levels	User and Administrator			
Mechanical				
LED Indicator	Power / Link / ACT			
Connector	Alarm	4 Pin Terminal Block, Pitch 3.5 mm		
	Power	3pin Terminal Block		
	Ethernet	RJ-45		
	Analog Video	1.0 Vp-p / 75 Ω, BNC		
	RS485	D+, D-		
Audio	Stereo Phone Jack, Ø 3.5mm			
General				
Operating Temperature	-10°C ~ 50°C (14° ~ 122° F)			
Humidity	10% ~ 90%, No Condensation			
Dimension	3x: 165.0 x 80.0 x 52.4 mm (L x W x H)			
Weight	3x: 300g (0.66 lb)			
Power Source	DC 12V / AC 24V / PoE			
Power Consumption	3x: 6 W (500 mA)			
Regulatory	EMC/ LVD/ FCC			

\* mark for optional items

Product specification and availability are subject to change without notice.



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