

network Dyna**Hawk**TM 830Z-U Series

6M/4K Ultra High Performance IR PTZ Dome Camera



830Z-U series IR PTZ Dome Camera, with the latest encoding technology and built-in IR LEDs, is the very first 4K speed dome product in the surveillance market, capable of capturing high resolution images during daylight hours and most important, in pitch-black darkness.

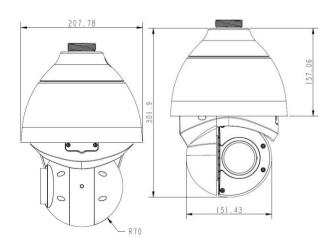
At night, or in any environments where there may be very low lighting, 830Z-U series is able to provide effective lighting up to a distance of 150 meters, and also deliver crystal clear image with high quality 30x optical zoom lens in very long distance.

This model can offer simultaneous Quad Streams and Qual Codec, H.264 Baseline / Main / High Profile, MJPEG for various network applications via speeding or limited bandwidth. With software stablizer algorithm, image can still keep steady in windy weather. IP66 International standard is also gurantee in this model for outdoor installation.

Key Features

- Sony Progressive Scan CMOS Sensor
- Up to powerful 30x Optical Zoom
- Digital Zoom Support
- Quad codec support (H.264 Baseline / Main Profile / High Profile / SVC / MJPEG)
- Quad Streams Support
- Quad Codec: H.264 Baseline / Main / Hight Profile + MJPEG
- True Day & Night (ICR)
- 2D/3D Noise Reduction
- 802.3at PoE+ With 4 Pair Support for Heater Activation
- Weatherproof (IP66 International)
- 0 downtime power switching
- IR Distance up to 150m

830 (Outdoor Model)



network Dyna**Hawk[™] 830Z-U Series - Ultra High Performance IR PTZ Dome Camer**o

Camera Image Sensor			30x	
		1/1.8" Sony Progressive CMOS	1/1.7" Sony Progressive CMOS	
Optical Zoom		30x		
Digital Zoom			TBD	
Minimum Illumination		0 lux (Color), 0 (B/W) @ F1.5		
Wide Dynamic Range		Gamma WDR On / Off		
Focus Mode		Auto	/ Manual	
White Balance		Auto / Indoor / Outdoor / ATW / Manual		
Iris Control		Auto / Manual		
Electronic Shutter		1/1 ~ 1/10000 sec.		
AGC Control		Auto	Auto / Manual	
Backlight Compensation		On / Off		
Lens				
Focal Length			30 mm	
Min. Focus Length		1m (Wide); 1m (tele)		
F Number		F 1.5 (Wide) ; F4.3 (Tele)		
FOV		61.2° (Wid	e); 2.32° (Tele)	
Operation				
Pan Travel		360°	endless	
Tilt Travel		-20° ~ 200°		
Manual Speed*		0.5° ~ 90°/s		
Presets		256		
Preset Accuracy		0.225°		
Preset Speed		5° ~ 400°/s		
Sequence		8		
Auto Pan		4		
Cruise			8	
Privacy Mask	16			
Proportional Pan & Tilt		On / Off (Pan and tilt speed proportional to zoom ratio)		
Resume after Power loss	Support Support			
Home Function	Preset / Sequence / Auto pan / Cruise			
Auto Flip	Image / Mechanical / Off			
Motion Detection	Motion Detection Window x 4 sets			
Day / Night: IR Cut Filter	On / Off			
Image Rotation	Flip / Mirror / Inverse			
Eletronic Image Stabilizer	On / Off			
-	2D	On/Off		
Noise Reduction	3D	On / Off		
Network				
Networking		·	bps Ethernet	
Video Compression			C) Baseline / Main Profile / High Profile	
	Single	H.264 6M (3072x2048) @25/30 fps	H.264 4K2K (3840x2160) @25/30fps	
		H.264 6M (3072x2048) @25/30 fps + 720P @25/30fps	H.264 4k2k (3840x2160) @20 fps + H.264 1080P @20 fps	
	Dual	H.264 1080P @50/60 fps + H.264 1080P @25/30 fps	H.264 1080P @50/60 fps + H.264 1080P @25/30 fps	
Video Stream		Note: 1 of the streamings can be MJPEG	Note: 1 of the 2M or under streamings can be MJPEG	
Video Stream				
Video Stream		= ' '	A @25/30 fps + H.264 720P @25/30 fps +	
Video Stream	Multiple	H.264 D1	@25/30 fps	
Video Stream	Multiple	H.264 DI Note: 1 of the stre	@25/30 fps amings can be MJPEG	
	·	H.264 DI Note: 1 of the stre 6M (3072 x 2048) / Full HD 1080P / SXGA / HD	@ 25/30 fps amings can be MJPEG 4K2K (3840 x 2160) / Full HD 1080P / SXGA / 720P	
Video Stream Video Resolution	H.264	H.264 DI Note: 1 of the stre 6M (3072 x 2048) / Full HD 1080P / SXGA / HD 720P / XGA / SVGA / D1 / VGA / CIF / QVGA	@25/30 fps amings can be MJPEG 4K2K (3840 x 2160) / Full HD 1080P / SXGA / 720P / XGA / SVGA / D1 / VGA / CIF / QVGA	
Video Resolution	·	H.264 DI Note: 1 of the stre 6M (3072 x 2048) / Full HD 1080P / SXGA / HD 720P / XGA / SVGA / D1 / VGA / CIF / QVGA Full HD 1080P / SXGA / HD 720P /	@25/30 fps amings can be MJPEG 4K2K (3840 x 2160) / Full HD 1080P / SXGA / 720P / XGA / SVGA / D1 / VGA / CIF / QVGA XGA / SVGA / D1 / VGA / CIF / QVGA	
Video Resolution Audio Compression	H.264	H.264 D: Note: 1 of the stre 6M (3072 x 2048) / Full HD 1080P / SXGA / HD 720P / XGA / SVGA / D1 / VGA / CIF / QVGA Full HD 1080P / SXGA / HD 720P / G.711 /	@ 25/30 fps amings can be MJPEG 4K2K (3840 x 2160) / Full HD 1080P / SXGA / 720P / XGA / SVGA / D1 / VGA / CIF / QVGA XGA / SVGA / D1 / VGA / CIF / QVGA 3.726 / AAC	
Video Resolution Audio Compression Audio Stream	H.264	H.264 DI Note: 1 of the stre 6M (3072 x 2048) / Full HD 1080P / SXGA / HD 720P / XGA / SVGA / D1 / VGA / CIF / QVGA Full HD 1080P / SXGA / HD 720P / G.711 /	@ 25/30 fps amings can be MJPEG 4K2K (3840 x 2160) / Full HD 1080P / SXGA / 720P / XGA / SVGA / D1 / VGA / CIF / QVGA XGA / SVGA / D1 / VGA / CIF / QVGA 3.726 / AAC Vay Audio	
Video Resolution Audio Compression Audio Stream Protocols	H.264	H.264 D1 Note: 1 of the stre 6M (3072 x 2048) / Full HD 1080P / SXGA / HD 720P / XGA / SVGA / D1 / VGA / CIF / QVGA Full HD 1080P / SXGA / HD 720P / G.711 / Two-v IPv4/v6, TCP/IP, UDP, RTP, RTSP, HTTP, HTTPS, ICMP, FTF	@ 25/30 fps amings can be MJPEG 4K2K (3840 x 2160) / Full HD 1080P / SXGA / 720P / XGA / SVGA / D1 / VGA / CIF / QVGA XGA / SVGA / D1 / VGA / CIF / QVGA 5.726 / AAC vay Audio , SMTP, DHCP, PPPOE, UPnP, IGMP, SNMP, QoS, ONVIF, ARP	
Video Resolution Audio Compression Audio Stream	H.264 MJPEG	H.264 DI Note: 1 of the stre 6M (3072 x 2048) / Full HD 1080P / SXGA / HD 720P / XGA / SVGA / D1 / VGA / CIF / QVGA Full HD 1080P / SXGA / HD 720P / G.711 / Two- IPv4/v6, TCP/IP, UDP, RTP, RTSP, HTTP, HTTPS, ICMP, FTE	@ 25/30 fps amings can be MJPEG 4K2K (3840 x 2160) / Full HD 1080P / SXGA / 720P / KGA / SVGA / D1 / VGA / CIF / QVGA XGA / SVGA / D1 / VGA / CIF / QVGA 3.726 / AAC ray Audio , SMTP, DHCP, PPPoE, UPnP, IGMP, SNMP, QoS, ONVIF, ARP ter / IEEE 802.1x	
Video Resolution Audio Compression Audio Stream Protocols	H.264 MJPEG	H.264 D2 Note: 1 of the stre 6M (3072 x 2048) / Full HD 1080P / SXGA / HD 720P / XGA / SVGA / D1 / VGA / CIF / QVGA Full HD 1080P / SXGA / HD 720P / G.711 / TWO-V IPV4/v6, TCP/IP, UDP, RTP, RTSP, HTTP, HTTPS, ICMP, FITTE 4 Sets / 5V	@25/30 fps amings can be MJPEG 4K2K (3840 x 2160) / Full HD 1080P / SXGA / 720P / XGA / SVGA / D1 / VGA / CIF / QVGA XGA / SVGA / D1 / VGA / CIF / QVGA 3.726 / AAC vay Audio , SMTP, DHCP, PPPOE, UPnP, IGMP, SNMP, QoS, ONVIF, ARP ter / IEEE 802.1x 10kΩ pull up	
Video Resolution Audio Compression Audio Stream Protocols Security Alarm	H.264 MJPEG	H.264 D: Note: 1 of the stre 6M (3072 x 2048) / Full HD 1080P / SXGA / HD 720P / XGA / SVGA / D1 / VGA / CIF / QVGA Full HD 1080P / SXGA / HD 720P / G.711 / Two-v IPv4/v6, TCP/IP, UDP, RTP, RTSP, HTTP, HTTPS, ICMP, FTI HTTPS / IP Fi 4 Sets / 50 2 Set / Relay output, ma	@ 25/30 fps amings can be MJPEG 4K2K (3840 x 2160) / Full HD 1080P / SXGA / 720P / XGA / SVGA / D1 / VGA / CIF / QVGA XGA / SVGA / D1 / VGA / CIF / QVGA 3.726 / AAC //AAC	
Video Resolution Audio Compression Audio Stream Protocols Security Alarm Alarm Reaction	H.264 MJPEG	H.264 D1 Note: 1 of the stre 6M (3072 x 2048) / Full HD 1080P / SXGA / HD 720P / XGA / SVGA / D1 / VGA / CIF / QVGA Full HD 1080P / SXGA / HD 720P / G.711 / Two-v IPv4/v6, TCP/IP, UDP, RTP, RTSP, HTTP, HTTPS, ICMP, FTF HTTPS / IPv 4 Sets / 5\ 2 Set / Relay output, ma Preset / Sequence	@ 25/30 fps amings can be MJPEG 4K2K (3840 x 2160) / Full HD 1080P / SXGA / 720P / XGA / SVGA / D1 / VGA / CIF / QVGA XGA / SVGA / D1 / VGA / CIF / QVGA 5.726 / AAC //ay Audio / SMTP, DHCP, PPPoE, UPnP, IGMP, SNMP, QoS, ONVIF, ARP ter / IEEE 802.1x 170kΩ pull up 1. 2A DC 30V / 0.5A AC 125V 2 / Auto Pan / Cruise	
Video Resolution Audio Compression Audio Stream Protocols Security Alarm Alarm Reaction SD Card	H.264 MJPEG	H.264 Di Note: 1 of the stre 6M (3072 x 2048) / Full HD 1080P / SXGA / HD 720P / XGA / SVGA / D1 / VGA / CIF / QVGA Full HD 1080P / SXGA / HD 720P / G.711 / Two-t IPv4/v6, TCP/IP, UDP, RTP, RTSP, HTTP, HTTPS, ICMP, FTF HTTPS / IP FI 4 Sets / SV 2 Set / Relay output, ma Preset / Sequenc	@ 25/30 fps amings can be MJPEG 4K2K (3840 x 2160) / Full HD 1080P / SXGA / 720P	
Video Resolution Audio Compression Audio Stream Protocols Security Alarm Alarm Reaction SD Card Supported Web Browser	H.264 MJPEG	H.264 D1 Note: 1 of the stre 6M (3072 x 2048) / Full HD 1080P / SXGA / HD 720P / XGA / SVGA / D1 / VGA / CIF / QVGA Full HD 1080P / SXGA / HD 720P / G.711 / Two-v IPv4/v6, TCP/IP, UDP, RTP, RTSP, HTTP, HTTPS, ICMP, FTI HTTPS / IP Fi 4 Sets / 50 2 Set / Relay output, ma Preset / Sequence SD: Internet Explore (6.0+)	@ 25/30 fps amings can be MJPEG 4K2K (3840 x 2160) / Full HD 1080P / SXGA / 720P / XGA / SVGA / D1 / VGA / CIF / QVGA XGA / SVGA / D1 / VGA / CIF / QVGA 3.726 / AAC vay Audio , SMTP, DHCP, PPPOE, UPnP, IGMP, SNMP, QoS, ONVIF, ARP ter / IEEE 802.1x 10KQ pull up 2. 2A DC 30V / 0.5A AC 125V 2. / Auto Pan / Cruise support / Chrome / Firefox / Safari	
Video Resolution Audio Compression Audio Stream Protocols Security Alarm Alarm Reaction SD Card	H.264 MJPEG	H.264 D1 Note: 1 of the stre 6M (3072 x 2048) / Full HD 1080P / SXGA / HD 720P / XGA / SVGA / D1 / VGA / CIF / QVGA Full HD 1080P / SXGA / HD 720P / G.711 / Two-v IPv4/v6, TCP/IP, UDP, RTP, RTSP, HTTP, HTTPS, ICMP, FTI HTTPS / IP Fi 4 Sets / 50 2 Set / Relay output, ma Preset / Sequence SD: Internet Explore (6.0+)	@ 25/30 fps amings can be MJPEG 4K2K (3840 x 2160) / Full HD 1080P / SXGA / 720P	
Video Resolution Audio Compression Audio Stream Protocols Security Alarm Alarm Reaction SD Card Supported Web Browser Password Levels	H.264 MJPEG	H.264 D1 Note: 1 of the stre 6M (3072 x 2048) / Full HD 1080P / SXGA / HD 720P / XGA / SVGA / D1 / VGA / CIF / QVGA Full HD 1080P / SXGA / HD 720P / G.711 / Two-v IPv4/v6, TCP/IP, UDP, RTP, RTSP, HTTP, HTTPS, ICMP, FTI HTTPS / IP Fi 4 Sets / 50 2 Set / Relay output, ma Preset / Sequence SD: Internet Explore (6.0+)	@ 25/30 fps amings can be MJPEG 4K2K (3840 x 2160) / Full HD 1080P / SXGA / 720P / XGA / SVGA / D1 / VGA / CIF / QVGA XGA / SVGA / D1 / VGA / CIF / QVGA 5.726 / AAC vay Audio , SMTP, DHCP, PPPOE, UPnP, IGMP, SNMP, QoS, ONVIF, ARP ter / IEEE 802.1x 10KQ pull up 2. 2A DC 30V / 0.5A AC 125V 2. AUTO YOU / O.5A AC 125V 2. AUTO YOU / O.5A AC 125V 3. AUTO YOU / O.5A AC 125V 3. AUTO YOU / O.5A AC 125V 4. AUTO YOU / O.5A AC 125V 5. AUTO YOU / O.5A AC 125V 6. AUTO YOU / O.5A AC 125V 7. AUTO YOU / O.5A AC 125V	
Video Resolution Audio Compression Audio Stream Protocols Security Alarm Alarm Reaction SD Card Supported Web Browser Password Levels General	H.264 MJPEG	H.264 Di Note: 1 of the stre 6M (3072 x 2048) / Full HD 1080P / SXGA / HD 720P / XGA / SVGA / D1 / VGA / CIF / QVGA Full HD 1080P / SXGA / HD 720P / G.711 / Two-t IPv4/v6, TCP/IP, UDP, RTP, RTSP, HTTP, HTTPS, ICMP, FTF HTTPS / IP FT 4 Sets / 5' 2 Set / Relay output, ma Preset / Sequenc SD Internet Explore (6.0+) User and	@ 25/30 fps amings can be MJPEG 4K2K (3840 x 2160) / Full HD 1080P / SXGA / 720P	
Video Resolution Audio Compression Audio Stream Protocols Security Alarm Alarm Reaction SD Card Supported Web Browser Password Levels General Environment	H.264 MJPEG Input Output	H.264 D1 Note: 1 of the stre 6M (3072 x 2048) / Full HD 1080P / SXGA / HD 720P / XGA / SVGA / D1 / VGA / CIF / QVGA Full HD 1080P / SXGA / HD 720P / G.711 / Two-v IPv4/v6, TCP/IP, UDP, RTP, RTSP, HTTP, HTTPS, ICMP, FITTE 4 Sets / 50 2 Set / Relay output, ma Preset / Sequenc SD: Internet Explore (6.0+) User and	@25/30 fps amings can be MJPEG 4K2K (3840 x 2160) / Full HD 1080P / SXGA / 720P / XGA / SVGA / D1 / VGA / CIF / QVGA XGA / SVGA / D1 / VGA / CIF / QVGA 3.726 / AAC vay Audio , SMTP, DHCP, PPPOE, UPnP, IGMP, SNMP, QoS, ONVIF, ARP ter / IEEE 802.1x 10kΩ pull up 4. 2A DC 30V / 0.5A AC 125V e / Auto Pan / Cruise support / Chrome / Firefox / Safari	
Video Resolution Audio Compression Audio Stream Protocols Security Alarm Alarm Reaction SD Card Supported Web Browser Password Levels General Environment Operating Temperature*	H.264 MJPEG Input Output Outdoor	H.264 Di Note: 1 of the stre 6M (3072 x 2048) / Full HD 1080P / SXGA / HD 720P / XGA / SVGA / D1 / VGA / CIF / QVGA Full HD 1080P / SXGA / HD 720P / G.711 / Two- IPv4/v6, TCP/IP, UDP, RTP, RTSP, HTTP, HTTPS, ICMP, FTI 4 Sets / 5 2 Set / Relay output, ma Preset / Sequenc SD: Internet Explore (6.0+) User and	@25/30 fps amings can be MJPEG 4K2K (3840 x 2160) / Full HD 1080P / SXGA / 720P / XGA / SVGA / D1 / VGA / CIF / QVGA XGA / SVGA / D1 / VGA / CIF / QVGA 3.726 / AAC aay Audio , SMTP, DHCP, PPPoE, UPnP, IGMP, SNMP, QoS, ONVIF, ARP ter / IEEE 802.1x 10κΩ pull up 4. 2A DC 30V / 0.5A AC 125V e / Auto Pan / Cruise upport / Chrome / Firefox / Safari Administrator	
Video Resolution Audio Compression Audio Stream Protocols Security Alarm Alarm Reaction SD Card Supported Web Browser Password Levels General Environment Operating Temperature* Dimension	Input Output Outdoor Outdoor	H.264 Di Note: 1 of the stre 6M (3072 x 2048) / Full HD 1080P / SXGA / HD 720P / XGA / SVGA / D1 / VGA / CIF / QVGA Full HD 1080P / SXGA / HD 720P / G.711 / Two-v IPv4/v6, TCP/IP, UDP, RTP, RTSP, HTTP, HTTPS, ICMP, FIT 4 Sets / 50 2 Set / Relay output, ma Preset / Sequence SD: Internet Explore (6.0+) User and Ø 207.78 x 301.	@ 25/30 fps amings can be MJPEG 4K2K (3840 x 2160) / Full HD 1080P / SXGA / 720P / XGA / SVGA / D1 / VGA / CIF / QVGA XGA / SVGA / D1 / VGA / CIF / QVGA 3.726 / AAC //AY Audio / SMTP, DHCP, PPPOE, UPNP, IGMP, SNMP, QoS, ONVIF, ARP ter / IEEE 802.1x 10KΩ pull up / A 2A DC 30V / 0.5A AC 125V / Auto Pan / Cruise / Chrome / Firefox / Safari Administrator Administrator Judoor IBD / Jumm w/ Sunshield	
Video Resolution Audio Compression Audio Stream Protocols Security Alarm Alarm Reaction SD Card Supported Web Browser Password Levels General Environment Operating Temperature* Dimension Weight	Input Output Outdoor Outdoor Outdoor Outdoor	H.264 D1 Note: 1 of the stre 6M (3072 x 2048) / Full HD 1080P / SXGA / HD 720P / XGA / SVGA / D1 / VGA / CIF / QVGA Full HD 1080P / SXGA / HD 720P / G.711 / Two-v IPv4/v6, TCP/IP, UDP, RTP, RTSP, HTTP, HTTPS, ICMP, FTI 4 Sets / 5\ 2 Set / Relay output, ma Preset / Sequenc SD: Internet Explore (6.0+) User and Ø 207.78 x 301.	@ 25/30 fps amings can be MJPEG 4K2K (3840 x 2160) / Full HD 1080P / SXGA / 720P / XGA / SVGA / D1 / VGA / CIF / QVGA XGA / SVGA / D1 / VGA / CIF / QVGA 3.726 / AAC //AY Audio / SMTP, DHCP, PPPOE, UPNP, IGMP, SNMP, QoS, ONVIF, ARP ter / IEEE 802.1x / 10KΩ pull up / X 2A DC 30V / 0.5A AC 125V / Auto Pan / Cruise / Chrome / Firefox / Safari / Chrome / Firefox / Safari / Stationary / Sunshield / Skg / Pmm w/ Sunshield / Skg	
Video Resolution Audio Compression Audio Stream Protocols Security Alarm Alarm Reaction SD Card Supported Web Browser Password Levels General Environment Operating Temperature* Dimension Weight Power Source*	Input Output Outdoor Outdoor Outdoor Outdoor Outdoor Outdoor	H.264 D1 Note: 1 of the stre 6M (3072 x 2048) / Full HD 1080P / SXGA / HD 720P / XGA / SVGA / D1 / VGA / CIF / QVGA Full HD 1080P / SXGA / HD 720P / G.711 / Two-\ IPv4/v6, TCP/IP, UDP, RTP, RTSP, HTTP, HTTPS, ICMP, FTI HTTPS / IP FI 4 Sets / 5\ 2 Set / Relay output, ma Preset / Sequenc SD: Internet Explore (6.0+) User and Ø 207.78 x 301.	@ 25/30 fps amings can be MJPEG 4K2K (3840 x 2160) / Full HD 1080P / SXGA / 720P / XGA / SVGA / D1 / VGA / CIF / QVGA XGA / SVGA / D1 / VGA / CIF / QVGA 3.726 / AAC / AV Audio / SMTP, DHCP, PPPOE, UPNP, IGMP, SNMP, QoS, ONVIF, ARP ter / IEEE 802.1x 1/10kΩ pull up 1. 2A DC 30V / 0.5A AC 125V 2e / Auto Pan / Cruise support / Chrome / Firefox / Safari Administrator ittdoor IFBD 9 mm w/ Sunshield 8 kg iri / AC 24V ± 20% / DC 12V	
Video Resolution Audio Compression Audio Stream Protocols Security Alarm Alarm Reaction SD Card Supported Web Browser Password Levels General Environment Operating Temperature* Dimension Weight	Input Output Outdoor Outdoor Outdoor Outdoor	H.264 D1 Note: 1 of the stre 6M (3072 x 2048) / Full HD 1080P / SXGA / HD 720P / XGA / SVGA / D1 / VGA / CIF / QVGA Full HD 1080P / SXGA / HD 720P / G.711 / Two-u IPv4/v6, TCP/IP, UDP, RTP, RTSP, HTTP, HTTPS, ICMP, FIT 4 Sets / 50 2 Set / Relay output, ma Preset / Sequenc SD Internet Explore (6.0+) User and Ø 207.78 x 301.	@ 25/30 fps amings can be MJPEG 4K2K (3840 x 2160) / Full HD 1080P / SXGA / 720P / XGA / SVGA / D1 / VGA / CIF / QVGA XGA / SVGA / D1 / VGA / CIF / QVGA 3.726 / AAC //AY Audio / SMTP, DHCP, PPPOE, UPNP, IGMP, SNMP, QoS, ONVIF, ARP ter / IEEE 802.1x / 10KΩ pull up / X. 2A DC 30V / 0.5A AC 125V / Auto Pan / Cruise / Auto Pan / Cruise / Chrome / Firefox / Safari / Administrator / Chrome / Firefox / Safari / SMTP / SMT	

^{*} mark for to be discussed # mark for optional items

Product specification and availability are subject to change without notice.



DYNACOLOR, INC.

No. 116, Jou Tz Street, Neihu, Taipei 114, Taiwan
TEL: (886)2-2659-8898 FAX: (886)2-2659-8868
http://www.dynacolor.com.tw info@dynacolor.com.tw