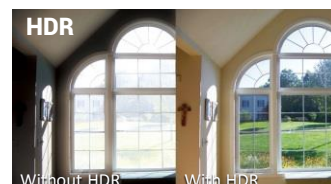- All systems (P/T/Z/IP) are remote upgradable
- Servo Feedback
- 4K HDR Real-time streaming
- Electronic Image Stabilizer (EIS)
- H.265/H.264/MJPEG simultaneous streaming
- 22x Zoom Lens available
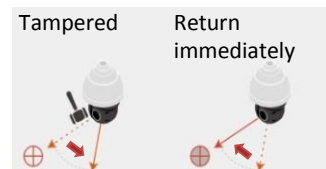- Triple power support (UPoE / DC12V/ AC24V)
- IR LED built in

4K HDR

831-T2 IR PTZ utilizes advanced image processing technology, offering crisp 4K, high quality HDR real-time video. Its HDR capability captures more image detail under challenging light conditions, such as shopping center entrances and airport terminals.

Servo Feedback

831-T2 IR PTZ features Servo Feedback technology. When encountering external force, such as vandalism, or environmental vibration, the PTZ can return immediately to its original position.

Features

- Sony Progressive Scan CMOS Sensor support up to 8M Resolution
- 22x Optical Zoom
- Multi Exposure HDR
- Electrical Image Stabilizer (EIS) Support
- Multi Codec support (H.265 / H.264 / MJPEG)
- Low Latency Streaming
- Quad Streams support
- IR LED (working distance up to 200m)
- BNC Analog Output for installation support
- RS485 support
- 3D Motion Compensated Noise Reduction (MCTF)
- Smart Event function- External Input/ Motion Detection/ Network Failure Detection/ Periodical Event/ Manual Trigger/ Audio Detection
- Text Overlay and Privacy Masks
- Micro SD/SDHC/SDXC Card support
- ONVIF Profile S/G/Q support
- Smart Low Bitrate control
- Weatherproof (IP66)
- Servo Feedback – Guarantees no Drifting
- Zero-Down-Time(ZDT) Power Switching

Custom Specification (Default)

Sony 4K		
Image Sensor	Sony 4K 1/1.8" Progressive CMOS	
Effective Pixels	HxV = 3864x2180(4K)	
Pixel Size	2.0 µm	
Frame Rate (Maximum)	H.265 HDR 4K @30fps + d1 @30fps HDR 6M@30fps + 720p @30fps	
	H.264 HDR 4K @30fps + d1 @30fps HDR 6M@30fps + 720p @30fps	
	MJPEG 1080p @30fps	

Lens : Default		
Minimum Illumination	Color	0.04 lux
	B/W	0.002 lux
Lens	Zoom Lens Focal Length Horizontal FOV Vertical FOV	focus, zoom, P-Iris, Auto-Iris, F1.5 6.4-138.5 mm 64° (wide),3° (tele) 37° (wide),2° (tele)

Common Specification

Camera	
Day and Night	Automatically removable IR-cut filter
Shutter Time	1~1/10K sec.
HDR	Yes
EIS	Yes
Zoom	Optical zoom, digital zoom ready
Image Settings	Color, Brightness, Sharpness, Contrast White Balance, Exposure Control 2DNR, 3DNR, NR by Motion Masking, Text Overlay
Corridor Mode	90°, 180°, 270° rotation

Video Codec	
Compression	H.265/H.264/MJPEG
Streaming	Up to 4 individually configurable streams in H.265/H.264/MJPEG Configurable resolution/frame rate/bandwidth LBR/VBR/CBR in H.265/H.264

Audio Codec	
Compression	G.711 / G.726 / AAC / LPCM
Streaming	2 way
Audio Input	Line in
Audio Output	Line out

Network	
Interface	1Gbps Ethernet
Security	User Authentication/HTTPS/IP Filter/IEEE 802.1x
Supported Protocols	ARP, PPPoE, IPv4/v6, ICMP, IGMP, QoS, TCP, UDP, DHCP, UPnP, SNMP, SMTP, RTP, RTSP, HTTP, HTTPS, FTP, NTP, DDNS
ONVIF	Profile S / G / Q conformant

System Integration	
Analytics	Motion Detection/Audio detection
Event Triggers	External Input, Analytics, Network Failure Detection, Periodical Event, Manual Trigger
Event Actions	External output Activation Video and audio recording to edge storage File Upload : FTP, network share and email Notification : HTTP, FTP, email

General		
Casing	Metal and Plastic	
Power	UPoE DC12V, 3.67A, max 44 watt AC24V, max 44 watt	
Connectors	RJ45	
	Alarm in x4, Alarm out x2, Terminal Block	
	DC12V Terminal Block	
	AC24V Terminal Block	
	Audio in Terminal Block	
	Audio out Terminal Block	
	CVBS Connector	
	RS485 Terminal Block	
IR Illumination	Illumination distance: 200m	
Storage	Support for microSD/microSDHC/microSDXC card Support for recording to NAS	
Operating Conditions	-40°C~50°C (-40°F~122°F) with heater 10%~90%, No Condensation	
Storage Conditions	-20°C~70°C (-4°F~158°F)	
Approvals	EMC	CE / FCC
	Safety	LVD
	Environment	IP66
Dimensions	Ø207.4 x 300.4 mm with Sunshield	
Weight	3.8 kg	