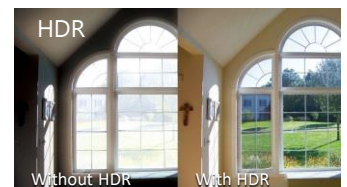


- ▲ 4K HDR Real-time streaming
- ▲ 22x Zoom Lens available
- ▲ Servo Feedback
- ▲ Laser Focus (Optional)
- ▲ Dual power support (PoE+/AC24V)
- ▲ All systems (P/T/Z/IP) are remote upgradable



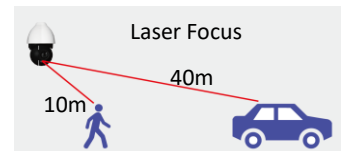
## 4K HDR

721/821-T2 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.



## Advanced Auto Focus

721/821-T2 PTZ features a built-in laser module that escalate focus performance to another level. Combined with Dynacolor's Machine learning contrast Auto Focus algorithm, the Advanced AF technology greatly helps the camera focus faster and achieve better accuracy.



## Features

- Sony Progressive Scan CMOS Sensor support
- Up to 8M Resolution
- Up to 22x Optical Zoom
- Laser Focus (Optional)
- Multi Exposure HDR
- Electrical Image Stabilizer (EIS) Support
- Multi Codec support (H.265/H.264/MJPEG)
- Quad Streams support
- 3D Motion Compensated Noise Reduction (MCTF)
- Smart Event function - External Input/Motion Detection/Network Failure Detection/Periodical Event/Manual Trigger /Audio Detection
- Micro SD/SDHC/SDXC Card support
- ONVIF Profile S/G/T/M support
- Weatherproof (IP66)<sup>1</sup>
- Vandal Proof (IK10)<sup>1</sup>
- Servo Feedback - Guarantees no Drifting

<sup>1</sup> 821 only

## Custom Specification ( Default )

**Preliminary**

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	@30fps
	HDR 6M@30fps + 720p @30fps	@30fps
	H.264 HDR 4K @30fps + d1 @30fps	@30fps
	HDR 6M@30fps + 720p @30fps	@30fps
	MJPEG 1080p @30fps	@30fps
Lens : Default		
Minimum Illumination	Color	0.04 lux
	B/W	0.002 lux
Lens	Type	22x Zoom Lens, P-Iris, Auto-Iris, F1.5
	Focal Length	6.4-138.5 mm
	Horizontal FOV	62.6° (wide), 3.2° (tele)
	Vertical FOV	36.7° (wide), 1.9° (tele)
Laser Focus (Optional)		

## 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	
Pan/Tilt		
Pan/Tilt Range	Pan : 0~360° endless	Tilt : -10~100°
Manual Speed	Pan : 0.1~90°/s	Tilt : 0.1~55°/s
Preset Speed	Pan : 400°/s	Tilt : 300°/s
Preset	256	
PTZ Mode	8 Sequence, 8 cruise, 4 auto pan	
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/T/M 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	PoE+ IEEE802.3at, class 4, max TBD watt AC24V, max TBD watt, max TBD VA	
Connectors	RJ45	
	Alarm in x4, Alarm out x2, Terminal Block	
	AC24V Terminal Block	
	Audio in Terminal Block Audio out Terminal Block	
Storage	Support for microSD/microSDHC/microSDXC card Support for recording to NAS	
Operating Conditions	721 T2	-25°C~50°C without heater
	821 T2	-40°C~50°C with heater 10%~90%, No Condensation
Storage Conditions	-20°C~70°C	
Approvals	EMC	CE/FCC
	Safety Environment	LVD IP66 <sup>1</sup> , IK10 <sup>1</sup>
Dimensions	721 T2	∅ 212x286 mm
	821 T2	∅ 210x297 mm with Sunshield
Weight	721 T2	2.9 kg
	821 T2	3.3 kg

<sup>1</sup> 821 only