

# Standard 4MP 32x IP PTZ Outdoor Camera



## Key Benefits

- 1/1.8" progressive scan CMOS
- Up to 2560×1440 resolution
- Excellent low-light performance
- 32x Optical Zoom, 16x Digital zoom
- WDR, HLC, BLC, 3D DNR, Defog, Regional Exposure, Regional Focus, Rapid Focus
- Up to 200 m IR distance
- 24 VAC & Hi-PoE
- Support H.265+/H.265 video compression

The Illustra Standard 4MP IP PTZ outdoor camera Model ISIN-P05Z301-N-V1 is a versatile camera by Tyco ideal for security-critical environments.

The high-performance IR helps ensure that objects are detected over long distances at night even in the most challenging low light conditions. The IR function of this camera covers an impressive distance up to 200m.

## System Function

The Illustra Standard IP PTZ camera incorporates 4MP high performance, progressive scan CMOS sensor for quality images up to 2560×1440 resolution. The camera supports intelligent tracking, scheduled PTZ movement and 3D intelligent positioning function for auto tracking to the specified zone.

## ONVIF Profile S, G & T Support

The IP PTZ Camera is designed to ensure greater interoperability and compatibility on ONVIF Platform.

## Camera Function

The IR PTZ camera incorporates a lens of focal Length 5.9–188.8mm with 32x optical zoom and 16x digital zoom. The versatile camera supports several features critical for a PTZ camera. These include auto-focus and rapid focus capabilities. The auto white balance feature is supported for different modes and situations such as Indoor, Outdoor, Daylight lamp, Sodium lamp. Backlight compensation support is very useful to avoid silhouettes and to get better images of the subject of interest.

## Powerful PTZ Capabilities

A Pan Tilt & Zoom functionality is effective and supported by built-in functions to locate, track and zoom onto the security situation area with agility and speed.

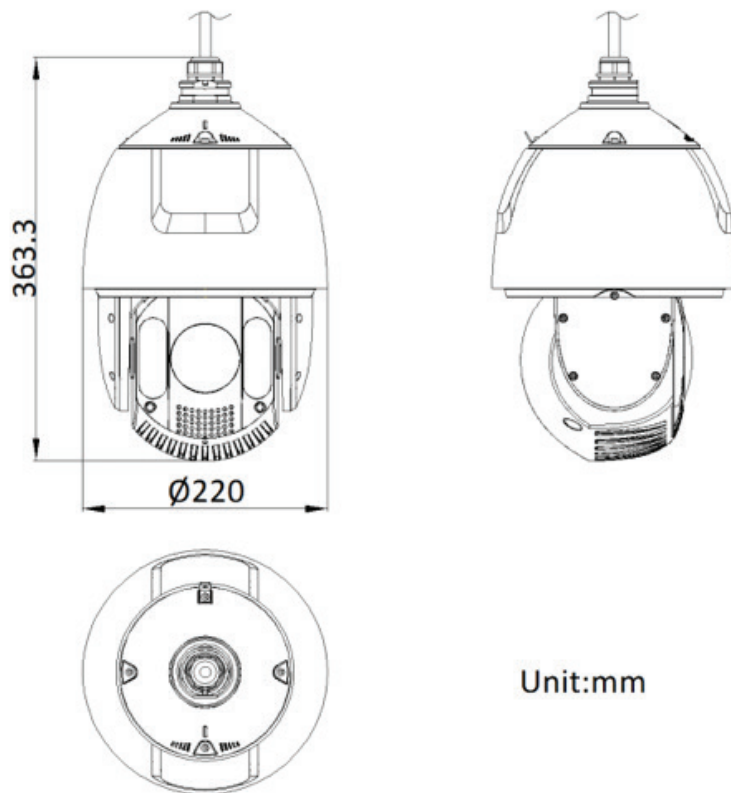
## Specifications

Camera	
Image Sensor	1/1.8" Progressive Scan CMOS
Min. Illumination	Color: 0.005 Lux @ (F1.5, AGC ON) B/W: 0.001 Lux @ (F1.5, AGC ON) 0 Lux with IR
Shutter Speed	1/1s to 1/30000s
Slow Shutter	Supported
Day & Night	IR cut filter
Zoom	32x optical, 16x digital
Lens	
Focal Length	5.9 mm to 188.8 mm
Zoom Speed	approx. 4.8 s
Field of View	Horizontal FOV: 50.8° to 2.6° (wide-tele); Vertical FOV: 29.4° to 1.5° (wide-tele)
Aperture	F1.5
Focus	Auto, semi-auto, manual, rapid focus
IR	
IR Distance	Up to 200 m
PTZ	
Movement Range (Pan)	360°
Movement Range (Tilt)	-15° to 90° (auto flip)
Pan Speed	Configurable, from 0.1° to 160°/s Preset speed: 240°/s
Tilt Speed	Configurable, from 0.1°/s to 120°/s Preset speed: 200°/s
Proportional Pan	Support
Presets	300
Patrol Scan	8 patrols, up to 32 presets for each patrol
Pattern Scan	4 pattern scans
Power-off Memory	Support
Park Action	preset, pattern scan, patrol scan, auto scan, tilt scan, random scan, frame scan, panorama scan
3D Positioning	Support
PTZ Status Display	Support
Preset Freezing	Support
Scheduled Task	preset, pattern scan, patrol scan, auto scan, tilt scan, random scan, frame scan, panorama scan, dome reboot, dome adjust, aux output
Video	
Max. Resolution	2560×1440
Main-Stream	50 Hz: 25 fps (2560×1440, 1920×1080, 1280×960, 1280×720) 60 Hz: 30 fps (2560×1440, 1920×1080, 1280×960, 1280×720)

Sub-Stream	50Hz: 25fps (704 × 576, 640 × 480, 352 × 288) 60Hz: 30fps (704 × 480, 640 × 480, 352 × 240)
Third Stream	50 Hz: 25 fps (1920×1080, 1280×960, 1280×720, 704×576, 640×480, 352×288); 60 Hz: 30 fps (1920×1080, 1280×960, 1280×720, 704×480, 640×480, 352×240)
Video Compression	Main stream: H.265+/H.265/H.264+/H.264 Sub-stream: H.265/H.264/MJPEG Third stream: H.265/H.264/MJPEG
Video Bit Rate	32 kbps to 16384 kbps
H.265 Type	main profile
H.264 Type	baseline profile/main profile/high profile
SVC	H.264 and H.265 encoding
Region of Interest (ROI)	8 fixed regions for each stream
<b>Audio</b>	
Audio Compression	G.711alaw, G.711ulaw, G.722.1, G.726, MP2L2, AAC, PCM
Audio Bit Rate	64 Kbps (G.711)/16 Kbps (G.722.1)/16 Kbps (G.726)/32-192 Kbps (MP2L2)/16-64 Kbps (AAC)
Audio Sampling Rate	8 kHz/16 kHz/32 kHz/48 kHz
Environment Noise Filtering	Yes
<b>Smart Features</b>	
Face Capture	Support
Basic Event	Motion detection, video tampering alarm, exception, alarm input and output
Smart Event	Line crossing detection, intrusion detection, region entrance detection, region exiting detection, unattended baggage detection, object removal detection, audio exception detection
Smart Tracking	manual tracking, auto-tracking
Perimeter Protection	Line crossing, intrusion, region entrance, region exiting Support alarm triggering by specified target types (human and vehicle)
Alarm Linkage	Upload to FTP/NAS/memory card, notify surveillance center, send email, trigger alarm output, trigger recording, audible warning, white light flashing, and PTZ actions (such as preset, patrol scan, pattern scan)
<b>Image</b>	
Day/Night Switch	Day, Night, Auto, Schedule
Image Enhancement	BLC, HLC, 3D DNR
Wide Dynamic Range (WDR)	120 dB
Defog	Digital defog
Image Stabilization	EIS
Regional Exposure	Support
Regional Focus	Support
Image Settings	Saturation, brightness, contrast, sharpness, gain and white balance adjustable
Privacy Mask	24 programmable polygon privacy masks, mask color or mosaic configurable
SNR	> 52 dB
<b>Network</b>	
Network Storage	NAS (NFS, SMB/ CIFS)
Protocols	IPv4/IPv6, HTTP, HTTPS, 802.1x, QoS, FTP, SMTP, UPnP, SNMP, DNS, DDNS, NTP, RTSP, RTCP, RTP, TCP/IP, UDP, IGMP, ICMP, DHCP, PPPoE, Bonjour
ONVIF	Profile S, Profile G & Profile T
Simultaneous Live View	Up to 20 channels
User/Host	Up to 32 users, 3 user levels: administrator, operator, and user
Smooth Streaming	Support
Cyber Security	Password protection, complicated password, HTTPS encryption, 802.1X authentication (EAP-TLS, EAP-LEAP, EAP-MD5), watermark, IP address filter, basic and digest authentication for HTTP/HTTPS, RTP/RTSP over HTTPS, control timeout settings, security audit log, TLS 1.2, TLS 1.3, host authentication (MAC address)
Web Browser	IE11, Chrome 57+, Firefox 52+, Safari 11+

Interface	
Communication Interface	1 RJ45 10M/100M self-adaptive Ethernet port
On-board Storage	Built-in memory card slot, support microSD/SDHC/SDXC card, up to 256 GB
Alarm	2 inputs, 1 output
Audio	1 input (line in), max. input amplitude: 2-2.4 vpp, input impedance: 1 k $\Omega$ $\pm$ 10%; 1 output (line out), line level, output impedance: 600 $\Omega$
General	
Power	24 VAC, max. 42 W (including max. 18 W for IR and max. 10 W for heater); Hi-PoE
Operating Condition	-30 $^{\circ}$ C to 65 $^{\circ}$ C (-22 $^{\circ}$ F to 149 $^{\circ}$ F). Humidity 90% or less (non-condensing)
Demist	Yes
Material	ADC12
Dimension	$\varnothing$ 220 mm $\times$ 363.3 mm ( $\varnothing$ 8.66" $\times$ 13.91")
Weight	Approx. 5 kg (11.03 lb.)
Protection	IP66 (IEC 60529-2013), IK10 (excluding glass window), TVS 6000V lightning protection, surge protection and voltage transient protection
EMC	FCC SDoC (47 CFR Part 15, Subpart B); CE-EMC (EN 55032: 2015, EN 61000-3-2: 2019, EN 61000-3-3: 2013, EN 50130-4: 2011 +A1: 2014);
Safety	BIS
Environment	CE-RoHS (2011/65/EU); WEEE (2012/19/EU); Reach (Regulation (EC) No 1907/2006)

## Dimensions



## Ordering Information

	Model Number	Description
Camera	ISIN-P05Z301-N-V1	H.265 4MP 32x Network IP PTZ Camera, 1/1.8" CMOS, 200M IR, SD Card 256GB support, IP66/IK10, Smart IVA

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## About Johnson Controls

Johnson Controls is a global diversified technology and multi-industrial leader serving a wide range of customers in more than 150 countries. Our 120,000 employees create intelligent buildings, efficient energy solutions, integrated infrastructure and next generation transportation systems that work seamlessly together to deliver on the promise of smart cities and communities. Our commitment to sustainability dates back to our roots in 1885, with the invention of the first electric room thermostat.

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