

Standard 5MP 30x Network IR PTZ Outdoor Camera



Key Benefits

- 1/1.9" Progressive Scan CMOS
- Up to 2592x1944 @ 30FPS & 1920x1080 @ 60fps resolution
- Excellent low-light performance
- 30 × optical zoom, 16 × digital zoom
- WDR, HLC, BLC, 3D DNR, Defogger
- Up to 280m IR distance
- 24 VAC
- Support H.265+/H.265 video compression
- Intelligent Video Analytics
- Inbuilt Fan & Heater
- ONVIF Profile S, G, T & Q

The Illustra Standard IP IR PTZ outdoor camera Model ISIN-P05Z301-N is an excellent camera for security-critical environments where locating, tracking and zooming in on subject details with speed is vital. This versatile camera by Tyco is one of the most feature-rich cameras on the market today and boasts a 360° endless pan and -0°-90° tilt range and remarkable intelligence while supporting functions like Smart Tracking, Defogger, ROI, BLC and HLC. Inbuilt IR LED is an outstanding feature as it enhances the camera's night vision capabilities of detection over long distances.

Camera Functions

The Illustra Standard IP PTZ incorporates a 5MP high performance, progressive scan CMOS sensor for ultra-high resolution quality images up to 2592x1944 resolutions at 30 FPS frame rate. The camera supports smart tracking, scheduled PTZ movement and 3D intelligent positioning function for auto tracking to the specified zone. The camera has a preset accuracy of $\pm 0.1^\circ$. The camera excels while performing in low light conditions requiring a minimum Illumination of 0.005Lux @ F1.2 for color images. A 3D DNR effectively reduces image noise in static as well as moving images. A host of other features like auto focus, auto white balance and backlight compensation are also inbuilt into the camera including a convenient auto day and night switch.

Complete Convenience with a Suite of Smart Functions

The camera has a host of intelligent features which make security surveillance a breeze for security staff. Apart from convenience, smart features are vital for rapid decision-making and responses in security alert situations. The camera supports a complete suite of smart functions that range from smart tracking, smart detection and smart recording.

In the smart tracking mode the camera supports intrusion trigger, line crossing trigger, region entrance trigger, region exiting, object removal detection and unattended baggage Detection.

Specifications

Camera	
Image Sensor	1/1.9" Progressive Scan CMOS
Effective Pixels	2592 x 1944
Min. Illumination	Color: 0.001Lux @ F1.2 B/W: 0Lux with IR on
Shutter Speed	1/100000s~1s
WDR	140dB Super WDR
Day & Night	ICR Filter Auto Switch
Digital Zoom	16x
Optical Zoom	30x
SNR	>65dB
Lens	
Focal Length	4.8-144mm; 30x optical zoom
Zoom Speed	Approx. 1s (Optical Wide-Tele)
Field of View	Horizontal field of view: 58° to 3° (wide-tele) Vertical field of view: 44° to 2° (wide-tele) Diagonal field of view: 71° to 3° (wide-tele)
Aperture	F1.5 ~ F5.0
Minimum Working Distance	100 ~ 1500mm (Wide-Tele)
IR	
IR Distance	280m
PTZ	
Movement Range (Pan)	360° endless
Movement Range (Tilt)	0° to 90° (auto flip)
Pan Speed	pan speed: configurable from 0.1° to 400°/s; preset speed: 400°/s
Tilt Speed	tilt speed: configurable from 0.1° to 320°/s, preset speed 320°/s
Patrol Scan	8 patrols, up to 48 presets for each patrol
Pattern Scan	4 pattern scans
Power-off Memory	Support
PTZ Auto Tracking	Support
3D Positioning	Support
PTZ Status Display	Support
SIP/VoIP Support	Yes, Voice & Video-over-IP
Gain Control	Auto/Manual
Video	
Max. Image Resolution	2592 x 1944
Main Stream	30fps@(2592x1944), 45fps@(2048x1536), 60fps@ (1920x1080, 1280x960, 1280x720, 704x576) 60Hz: 30fps (1920 × 1080, 1280 × 960, 1280 × 720)
Sub-Stream	60fps @ (704x576, 640x480, 640x360, 352x288, 320x240, 320x192, 320x180)
Third Stream	30fps @ (1920x1080, 1280x720, 704x576, 640x480, 640x360, 320x240, 320x192, 320x180)
Video Compression	H.265+/H.265/H.264+/H.264/MJPEG
Video Bit Rate	16Kbps ~ 16Mbps (CBR/VBR Adjustable)

Advanced Function	Auto Tracking, IP Address Filtering, AGC, Anti-flicker, Corridor Mode, Deblur
Image enhancement	HLC, BLC, 2D/3D DNR
White Balance	Auto, ATW, Indoor, Outdoor, Manual
Image Settings	saturation, brightness, contrast, sharpness
Privacy Masking	Up to 24 areas
EIS	Support
Region of Interest	Support
Audio	
Audio Compression	G.711/AAC/G.722/G.726
Smart Features	
Event Trigger	Motion Detection, Network Disconnection, External Input, Audio Alarm, IP address conflict, Illegal Access, Storage anomaly etc.
Event Action	FTP Upload, SMTP Upload, SD Card Record, External Output, SIP Phone, PTZ Motion, HTTP Notification, etc.
Video Analytics	Region Entrance, Region Exiting, Advanced Motion Detection, Tamper Detection, Line Crossing, Loitering, Human Detection (Face Detection) , People Counting, Object Left, Object Removed
System Compatibility	ONVIF Profile S, G, T, Q Compliant
Network	
Network Storage	NAS (NFS, SMB/ CIFS)
Protocols	IPv4/IPv6, TCP, UDP, RTP, RTSP, RTCP, HTTP, HTTPS, DNS, DDNS, DHCP, FTP, NTP, SMTP, SNMP, UPnP, SIP, PPPoE, VLAN, 802.1x, QoS, IGMP, ICMP, SSL
ONVIF	Profile S, Profile G, Profile Q & Profile T
Streaming Method	Unicast / Multicast
Smooth Streaming	Support
Web Browser	IE, Chrome, Firefox, Safari
Interface	
Communication Interface	RJ45, self-adaptive 10M/100M Ethernet port
RS485	Support
On-board Storage	Support microSD/SDHC/SDXC Card Local Storage, up to 256G
Alarm input/output	2 in / 2 out
Audio input/output	1 in / 1 out
General	
Power Supply	PoE (802.3at) / AC 24V/3A±10%
Power Consumption	16.5W MAX / 35.5W MAX
Operating Conditions	Temperature: -50°C~70°C / Humidity: 0~95%(Non-condensing)
Smart Defogger	Built-In Fan & Heater combined with Software algorithm Provide Fog Free Picture
Dimensions/Weight	ø205mmX308mm/4Kg
Surge Protection	Level 2 lightning protection 6000V surge protection
Certification	Safety: CE, FCC, IS 13252-1 (2010), EN:60950-1, IEC 60950-1:2005 Ingress Protection: IP67 Certified EN/IEC 60529 Vandal Protection: IK10 Certified, IEC 62262:2002 Immunity: CE, FCC

Ordering Information

	Model Number	Description
Camera	ISIN-P05Z301-N	H.265, 1/1.9" CMOS, 5MP PTZ Camera, 30x, 4.8-144mm, 280m IR, IVA, 256GB SD Card support, 140dB WDR, IP67/IK10

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.

For additional information, please visit www.tycosecurityproducts.in or follow Illustra on LinkedIn, Twitter, and Facebook.