

# Standard

## 2MP IR Network PTZ Camera



### Features That Make a Difference:

- 1/1.9" HD CMOS sensor
- 2MP(1920 × 1080) resolution
- 36X Optical Zoom
- 200m IR Distance
- 120dB True WDR
- Backlight Compensation
- Optical Defog
- Hi-PoE / 24VAC power supply
- IP67
- IK10

The Illustra Standard IP PTZ Camera Model ISL02P7BNWIT is especially designed for deployment in security-critical environments. Powerful PTZ capabilities in terms of speed, agility and ease of deployment are vital to locate, track and zoom quickly onto the security situation area. The PTZ camera must also deliver on accuracy and detail. This camera by American Dynamics can stream crisp and clear images at up to 1920 × 1080 video resolutions at up to 60 frames per second. A 36x optical zoom capability allows for video surveillance at long distances. An in-built 16x digital zoom allows you to have a more detailed look of the object or individual.

### Built-in Intelligence

The camera has a host of intelligent features which makes 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 to smart image processing and smart codec.

In the smart tracking mode the camera supports manual, panorama, intrusion trigger, line crossing trigger, region entrance trigger and region exiting trigger. Security professionals will truly appreciate the camera's smart detection capabilities as it supports face detection, intrusion detection, line-crossing detection, audio exception detection in addition to region entrance and exiting.

### Exceptional Image Quality

With up to 1920 × 1080 resolution @60fps the camera produces exceptional image quality. It supports Support H.264/MJPEG video compression, & supports Basic/Main/High Profile H.264 encoding complexity.

This PTZ Camera has standard in-built support to 256GB Micro SD/SDHC/SDXC card storage, 10M/100M Ethernet Port, Audio I/O, and Alarm I/O.

The Camera supports Regional Cropping of the image to save on bandwidth with details of the Region of Interest being clearly visible. The camera supports 120 dB WDR, BLC and HLC.

### ONVIF Support

The Camera supports the ONVIF (profile S & profile G) protocol, three streams and 20 channels live view at the same time, providing flexibility of Video Stream Recording, live view at different resolutions and bitrate configuration options.

### Authentication Support for Higher Security

Additionally, for greater security, the Camera supports three-level user authentication—management, user and password authorization, IP address filtering and anonymous access. Other vital security features include security certificates such as HTTPS, SSH, Support Creating Certificate and the Lock User IP feature for multiple login error. Basic authentication is supportable in IE (web browser) configuration.



## Specifications

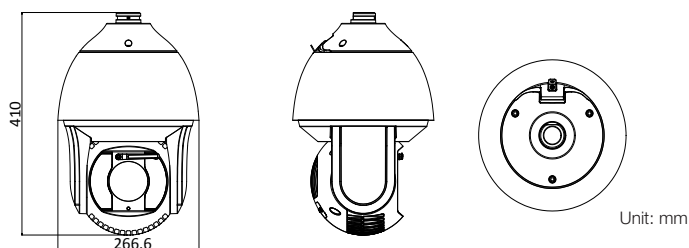
Camera	
Image Sensor	1/1.9" progressive scan CMOS
Min. Illumination	Color: 0.002 Lux @(F1.5, AGC ON) B/W: 0.0002 Lux @(F1.5, AGC ON) 0 Lux with IR
Shutter Time	1/1 s to 1/30,000 s
Iris	Auto/Manual
White Balance	Auto/Manual/ ATW (Auto-tracking White Balance)/Indoor/ Outdoor/Fluorescent Lamp/Sodium Lamp
AGC	Auto/Manual
Day & Night	IR cut filter
Digital Zoom	16x
Privacy Mask	24 programmable privacy masks
Focus Mode	Auto/Manual
Image Enhancements	3D DNR, BLC, HLC, Optical Defog, EIS, Regional Focus & exposure, Image Mirroring, Overlapping
WDR	120dB
SNR	>50dB
Lens	
Focal Length	5.7 to 205.2 mm
Aperture	F1.5 – F4.5
Optical Zoom	36x
Detection Range	Up to 200m
Zoom Speed	Approx. 4.4 s (optical lens, wide-tele)
Field of View	Horizontal: 59.8° to 2.0° (wide-tele) Vertical: 33.6° to 1.1° (wide-tele) Diagonal: 68.6° to 2.3° (wide-tele)
Working Distance	10 mm to 1500 mm (wide-tele)
PTZ	
Pan Range	360° endless
Preset Speed	Up to 300°/s
Pan Speed	0.1°/s to 300°/s (Auto) 0.1°/s to 210°/s (Manual)
Tilt Range	From -20° to 90°
Tilt Speed	0.1°/s to 100°/s (Auto) 0.1°/s to 50°/s (Manual)
Preset Accuracy	±0.1°
Proportional Zoom	Support
Presets	300
Patrol Scan	8 patrols, up to 32 presets for each patrol, Supports Auto-Pan
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/Home Return
Scheduled Actions	Preset/Pattern Scan/Patrol Scan/Auto Scan/Tilt Scan/Random Scan/Frame Scan/Panorama Scan/Time Tour/Auto Pan
Smart Features	
Detections	Motion Detection, Intrusion, Line Crossing, Region Entrance, Region Exiting, Face Detection, Audio Exception Detection
Smart Tracking	Manual Tracking, Auto Tracking, Event Tracking
ROI	Supported
IR	
IR Distance	200 m
Smart IR	Support, Auto/Manual
Wavelength	850nm

## Ordering Information

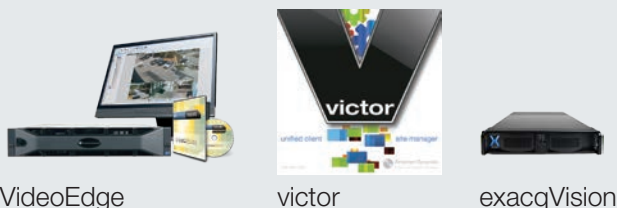
Model Number	Description
ISL02P7BNWIT	Illustra Standard 2MP IR PTZ Camera, TWDR

Network	
Max. Resolution	1920 × 1080
Main Stream	60Hz: 30fps (1920 × 1080, 1280 × 960, 1280 × 720) : 60fps (1920 × 1080, 1280 × 960, 1280 × 720)
Sub-Stream	60Hz: 30fps (704 × 480, 640 × 480, 352 × 240)
Third Stream	60Hz: 30fps (1920 × 1080, 1280 × 960, 1280 × 720, 704 × 480, 640 × 480, 352 × 240)
Bit Rate	Support Variable bit rate (VBR); Constant bit rate (CBR) Selectable from 256Kbps-10Mbps
Video Compression	Main Stream: H.265/H.264 Sub-Stream: H.265/H.264/MJPEG Third Stream: H.265/H.264/MJPEG H.264 with Baseline/Main/High Profile
Audio compression	G.711alaw/G.711ulaw/G.722.1/G.726/MP2L2/PCM
Protocols	IPv4/IPv6, HTTP, HTTPS, 802.1x, Qos, FTP, DHCP, SMTP, SNMP (V3), DNS, NTP, RTSP, RTCP, RTP, TCP/IP, DHCP, PPPoE, ICMP, UDP, UPnP
Simultaneous Live View	Up to 20 channels
User/Host	Up to 32 users 3 levels: Administrator, Operator and User
Security	User authentication (ID and PW), Host authentication (MAC address); HTTPS encryption; IEEE 802.1x port-based network access control; IP address filtering
Network Delay	<260ms
System Integration	
Alarm Interface	7-ch alarm input/2-ch alarm output
Audio Interface	1-ch audio input/ Output
Alarm Actions Linkage	Preset, Patrol Scan, Pattern Scan, Memory Card Video Record,
Notifications	Trigger Recording, Upload to Memory Card, Send Email
Network Interface	1 RJ45 10 M/100 M Ethernet Interface; Hi-PoE
CVBS Output	Available
RS-485	Available
Storage	Built-in memory card slot, support Micro TF/SD/SDHC/SDXC, up to 256 GB
Onvif	Profile S & Profile G
Web Browser	IE 8 to 11, Chrome 31.0 to 44, Firefox 30.0 to 51
General	
Power	24 VAC (Max. 60 W) Hi-PoE (Max. 50 W)
Drive	Step Motor
Wiper	Available
Heater & Blower	Built-in
Working Temperature	Outdoor: -40°C to 70°C (-40°F to 158°F)
Working Humidity	0-90%RH (non-condensing)
Protection Level	IP67 Standard, TVS 6,000V Lightning Protection, Surge and Voltage Transient Protection, IK10
Regulatory	UL, CE, FCC
Dimensions	Ø 266.6 mm × 410 mm (Ø 10.50" × 16.14")
Weight	Approx. 8 kg

## Dimensions



## Related Products



## Approvals



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