

# Standard

## 2MP 30x PTZ Camera



### Features That Make a Difference:

- Smart functions: support smart tracking, detection, recording, image processing and codec
- 540°/s pan preset speed and 400°/s tilt preset speed
- 0.1°-300°/s manual pan speed and 0.1°-240°/s manual tilt speed
- Park action: auto call up of PTZ movement, after a defined time of inactivity
- Built-in 16x digital zoom
- 8 programmable patrols, up to 32 presets per patrol
- 4 programmable patterns with the recording time not less than 10 minutes per pattern
- Scheduled PTZ movement
- Support defog and EIS
- Support three-streams; Basic and Advanced video configuration; Real time video at 1080P/960P/720P
- Support up to 8 NAS storage and SD card recording
- Support privacy mask with multiple colors and mosaics on polygonal areas
- 3D Intelligent positioning function
- 3D DNR
- IP66 standard and impact protection up to IK10
- HTTPS encryption and IEEE 802.1X port-based network access control



The Illustra Standard IP PTZ Camera Model ADC-P114-302 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 x 1080 video resolution at 25 frames per second through an endless 360° pan range, and -5°-90° tilt range. A 30x 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.

### Camera Functions

The Illustra Standard PTZ camera incorporates a high performance CMOS sensor delivering up to 1920x1080 resolution. The camera excels while performing in low light conditions requiring a minimum Illumination of 0.02Lux@(F1.6,AGC ON) in color and 0.002Lux@(F1.6,AGC ON) for B/W images. A 3D DNR effectively reduces image noise in static as well as moving images. A host of other features like auto iris, auto focus, auto white balance and backlight compensation are also inbuilt into the camera including a convenient auto day and night switch.

The camera supports scheduled PTZ movement, smart tracking and includes a 3D intelligent positioning function to quickly get onto the desired angle of view. A useful power-off memory function restores PTZ and lens status after reboot. It also supports privacy mask with multiple colors and mosaics on polygonal areas.

The outdoor dome conforms to IP66 standards while its impact protection is up to IK10.

### 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 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. 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. Smart recording support includes smart search in smart NVR. Smart codec support allows the camera to deliver images at low bit rate without compromising on image quality. In difficult conditions, the camera supports smart image processing with defog, EIS, and HLC. The camera additionally supports ROI (Region of Interest) codec to help increase image detail and clarity in the ROI.

## Exceptional PTZ Capabilities

Take a look at the exceptional PTZ performance of this camera:

- 360° endless pan range and -5°-90° tilt range
- 540°/s pan preset speed and 400°/s tilt preset speed
- 0.1°-300°/s manual pan speed and 0.1°-240°/s manual tilt speed
- ±0.1° preset accuracy
- 300 presets programmable; preset image freezing capability
- 8 patrols, up to 32 presets per patrol
- 4 patterns, with the recording time not less than 10 minutes per pattern
- Park action: auto call up of PTZ movement, after a defined time of inactivity
- 7 alarm inputs and 2 alarm outputs

## Network Function for Multi-format Convenience

The network capabilities of this camera are designed to deliver multi-format convenience, versatility and flexibility. The camera supports:

- H.264/MJPEG/MPEG4 video compression and the latest Davinci processing chip and platform
- H.264 encoding with Baseline/Main/High profile
- Region of Interest or ROI encoding (support 24 areas with adjustable levels)
- Built-in Web server
- Micro SD/SDHC/SDXC card local storage
- Up to 8 NAS storage and SD card recording
- HTTPS encryption and IEEE 802.1X port-based network access control
- Three-streams: Basic video configuration, advanced video configuration; Real time video at 1080P/960P/720P
- Multiple network protocols: IPv4/IPv6, HTTP, HTTPS, 802.1X, Qos, FTP, SMTP, UPnP, SNMP, DNS, DDNS, NTP, RTSP, RTP, TCP, UDP, IGMP, ICMP, DHCP, PPPoE
- 1 audio input and 1 audio output

## ONVIF Support

The camera is designed to ensure greater interoperability and compatibility on ONVIF (Open Network Video Interface Forum) Platform.

## Specifications

ADC-P114-302	
Camera	
Image Sensor	1/2.8" Progressive Scan CMOS
Effective Pixel	2230K pixels
Min. Illumination	Color : 0.3 lux (F1.6, 1/30 sec, 50 IRE, AGC On); B/W : 0.02 lux (F1.6, 1/30 sec, 50 IRE, AGC On) Color : 0.02 lux (F1.6, 1/1 sec, 50 IRE, AGC On); B/W : 0.002 lux (F1.6, 1/1 sec, 50 IRE, AGC On)
White Balance	Auto/ Manual/ ATW/ Indoor/ Outdoor/ Daylight lamp/ Sodium lamp
AGC	Auto/ Manual
S / N Ratio	≥ 55dB
3D DNR	Support
EIS	Support
HLC	Support
Defog	Support
BLC	Support
Digital WDR	Support
Shutter Time	50Hz: 1-1/30,000s, 60Hz: 1-1/30,000s
Day & Night	IR Cut Filter
Digital Zoom	16X
Privacy Mask	24 privacy masks programmable; optional multiple colors and mosaics
Focus Mode	Auto/ Semi-automatic/ Manual
Lens	
Focal Length	4.3-129mm, 30x
Zoom Speed	Approx.3s (Optical Wide-Tele)
Angle of View	65.5-2.11 degree (Wide-Tele)
Min. Working Distance	10-1500mm (Wide-Tele)
Aperture Range	F1.6-F5.0
Pan and Tilt	
Pan Range	360°endless
Pan Speed	Pan Manual Speed: 0.1° -300°/s, Pan Preset Speed: 540°/s
Tilt Range	-5°-90°(Auto Flip)
Tilt Speed	Tilt Manual Speed: 0.1°-240°/s, Tilt Preset Speed: 400°/s
Proportional Zoom	Rotation speed can be adjusted automatically according to zoom multiples
Number of Preset	300
Patrol	8 patrols, up to 32 presets per patrol
Pattern	4 patterns, with the recording time not less than 10 minutes per pattern
Power-off Memory	Support
Park Action	Preset/ Patrol/ Pattern/ Pan scan/ Tilt scan/ Random scan/ Frame scan/ Panorama scan
PTZ Position Display	On/ Off
Preset Freezing	Support
Scheduled Task	Auto scan/ Frame scan/ Random scan/ Patrol/ Pattern/ Preset/ Panorama scan/ Tilt scan/ Dome reboot/ Dome adjust/ Aux output
Smart tracking	Manual/ Panorama/ Intrusion trigger/ Line crossing trigger/ Region entrance trigger/ Region exiting trigger
Alarm	
Alarm Input	7
Alarm Output	2 relay outputs, alarm response actions configurable
Alarm Trigger	Face detection, Intrusion detection, Line crossing detection, Motion detection, Audio Exception Detection, Dynamic analysis, Tampering alarm, Network disconnect, IP address conflict, Storage exception
Alarm Actions	Preset, Patrol, Pattern, SD/SDHC card recording, Relay output, Notification on Client
Input/ Output	
Monitor Output	1.0V[p-p] / 75Ω, NTSC (or PAL) composite, BNC
Audio Input	1 Mic in/Line in interface; Line input: 2-2.4V[p-p]; output impedance: 1KΩ, ±10%
Audio Output	1 Audio output interface; Line level, impedance: 600Ω
Network	
Ethernet	10Base-T / 100Base-TX, RJ45 connector
Max.Image Resolution	1920×1080
Main Stream	50Hz: 25fps(1920×1080), 25fps(1280×960), 25fps (1280×720); 60Hz: 30fps(1920×1080), 30fps(1280×960), 30fps (1280×720)
Sub Stream	50Hz:25fps(704×576), 25fps (352×288), 25fps (176×144); 60Hz:30fps(704×480), 30fps (352×240), 30fps (176×120)
Third Stream	50Hz: 25fps(1920×1080), 25fps(1280×960), 25fps (1280×720), 25fps(704×576), 25fps (352×288), 25fps (176×144) 60Hz: 30fps(1920×1080), 30fps(1280×960), 30fps (1280×720), 30fps(704×480), 30fps (352×240), 30fps (176×120)
Image Compression	H.264/MJPEG/MPEG4, H.264 encoding with Baseline/Main/High profile

SVC	Support
ROI encoding	Support 24 areas with adjustable levels
Audio Compression	G.711ulaw/G.711alaw/G.726/MP2L2/G.722
Protocols	IPv4/IPv6, HTTP, HTTPS, 802.1X, QoS, FTP, SMTP, UPnP, SNMP, DNS, DDNS, NTP, RTSP, RTP, TCP, UDP, IGMP, ICMP, DHCP, PPPoE
Number of Simultaneous Live View	Up to 20
Three Streams	Support
Mini SD Memory Card	Manual REC / Alarm REC., Built-in Micro SD/SDHC/SDXC card Slot, up to 64GB; SD card recording
User/Host Level	Up to 32 users, 3 Levels: Administrator, Operator and User
Security Measures	User authentication (ID and PW), Host authentication (MAC address), IP address filtering
<b>System Integration</b>	
Interface for application programming	Support ONVIF (Profile S)
Web Browser	IE 7+, Chrome 18 +, Firefox 5.0 +, Safari 5.02 +, support multi-language
<b>General</b>	
Menu Language	English
RS-485 Protocols	Pelco-P, Pelco-D, self-adaptive
Power	24VAC; Max. 40W, Hi-PoE
Working Temperature / Humidity	-30°C-65°C (-22°F-149°F) 90% or less
Protection Level	IP66 standard, TVS 4,000V lightning protection, surge protection and voltage transient protection
Impact Protection	IEC60068-275Eh, 20J; EN50102, up to IK10
Mounting	Various mounting modes optional
Dimensions	ø220×325.5mm (ø8.66"×12.81")
Weight (approx.)	4Kg (8.82 lbs)
Mount Option	Long-arm wall mount, Corner mount, Pole Mount, Power box mount

## Accessories



Long-arm wall mount bracket

## Ordering Information

Part Number	Description
ADC-P114-302	30x PTZ 2MP IP with 30/25FPS
ILSOMWALLW	Wall mount
ILSOMPOLEW	Vertical pole mount
ILSOMCORNW	Corner mount
ILSOMBOXPW	Wall mount, Including power box
ILSIMPENSW	Pendant mount, Short
ILSIMPENLW	Pendant mount, Long
ILSIMCEILW	Ceiling mount
ILSOMPARAW	Parapet wall mount
ILSHIPOEIN	60W PoE injector, 1*RJ45 interface, 1000M (for ADC-P114-302 only)
ILSPR24VAC	AC24V/2.5A, Europe standard plug

## Related Products



VideoEdge



victor



exacqVision

## Approvals



Driving network video through global standardization

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