

# Illustra 625 PTZ Camera

High Performance/Full 1080p  
High-Definition (HD)

## Features That Make a Difference:

- Ultra-low latency for accurate camera tracking control - analog precision in an HD IP PTZ camera!
- Fastest HD PTZ in the industry - moves to position at 512° per second
- Efficient bandwidth use to reduce network traffic and save on storage costs
- 2MP with dual streams at full 1080p 30ips resolution
- Freeze frame between presets to save on bandwidth and storage
- Real-time continuous auto focus
- Outstanding color reproduction
- Easy to install
- Progressive scan imager with full digital path to output
- Create events with RTP meta-data streaming



**Indoor**

The Illustra 625 PTZ camera, both indoor and outdoor, is an ideal choice for businesses that require a high-performance, high-definition (HD) PTZ camera. With sophisticated PTZ control mechanisms for ultra-low latency performance, the camera tracks with the precision and accuracy of an analog PTZ camera.

The high-speed Illustra 625 PTZ camera is excellent for any site where locating, tracking and zooming in on the details of a subject are critical. When using automated presets, programmed tours or manual control to track and zoom in on the suspect, the Illustra 625 PTZ camera delivers premium performance. The camera's multiple, full digital path streams in H.264 or MJPEG 30ips are enabled over an entirely digital path resulting in the delivery of the highest quality video.

The Illustra 625 PTZ camera is the fastest HD PTZ in the industry. With DC servo motors and exceptional gearing and braking designs, the Illustra 625 PTZ camera delivers pan and tilt speed performance and accuracy that surpass the maximum speed and return-to-position accuracy of all competitive PTZ cameras. When using programmed presets and tours, the Illustra 625 PTZ camera moves to position at an amazing 512° per second. When using the camera in automated modes, the Illustra 625 PTZ camera delivers HD video from scene to scene in fractions of a second.



**Outdoor**

The true differentiators of this PTZ camera's speed are accuracy and precision. With an accuracy rating of +/- 0.25° the camera will continually return and deliver video of the scenes that are set. By using the freeze frame feature between presets and tours, the Illustra 625 PTZ camera minimizes network bandwidth use and storage costs by automatically eliminating unusable video of a scene created when the camera moves between presets.

The camera uses ZAP (zoom adjusted program) technology that automatically controls the pan and tilt speed of the camera in proportion to the amount of zoom used.

The Illustra 625 PTZ camera uses the latest technology and H.264 compression to deliver bandwidth that is a fraction of the bandwidth used by competitive 1080p HD PTZ cameras. This will reduce network traffic and save on storage costs.

The Feature Plus models of the Illustra 625 PTZ use the SD card for video alarm storage and audio output pre-recorded clips. The Feature Plus models can provide bi-directional audio, alarm inputs, and auxiliary outputs where necessary.

The Illustra 625 PTZ camera's "future-proof" hardware platform allows you to update the camera's firmware with analytics and feature enhancements as they become available. These include events, motion detection, advance health monitoring and edge recording.

# Features

## ONVIF 2.2 Profile S

The Illustra 625 PTZ camera supports the complete feature set of the ONVIF 2.2 profile S specification allowing for highly capable integration on recording platforms that support this specification.

## Ultra-low Latency and Accurate Motion Control

The Illustra 625 PTZ camera has a unique combination of high-performance video processing hardware and precision direct-drive motors with smooth motor control. This delivers precise pan and tilt control with ultra-low latency. The camera supports 96 programmable presets and moves to presets with sustained accuracy at a speed of 512° per second.

## Easy Installation

The Illustra 625 PTZ camera is supported by the latest version of the Illustra Connect camera configuration software. Using Illustra Connect, batch setup features for IP address assignment makes the setup of multiple cameras automatic.

Along with several PTZ mounting options, the Illustra 625 PTZ camera is compatible with the Illustra 600 Series Mini-Dome mounts and many of the existing IP SpeedDome Outdoor mounts. So if you're upgrading an existing IP SpeedDome camera to the new Illustra 625 PTZ camera, it is likely you can use the camera mount already installed.

The Indoor 625 PTZ camera comes with a unique twist and click lock ring saving time and money for every camera installed. Simply insert the camera into the mount, twist and click into place.

## Indoor Bubble Cover and Mounting Options



### Bubble Cover

ADCi625-P132  
ADCiPTZINDWCLR

Available in black or white with clear or smoked bubble



### Wall Mount

ADCi625-P132  
ADCiM6WALLBK

ADCi625-P132  
ADCiPTZINDWCLR  
ADCiM6WALLWK

Available in black or white and can be used with a black or white bubble, cover with clear or smoked bubble cover



### \*Flush Mount with Bubble

ADCi625-P132  
ADCi6PFMKIWC

Lowest profile indoor installation with only 4.5" visible below the ceiling

Bubble available in clear or smoked with white or black trim ring



### Gooseneck Mount (with Pendant Cap)

ADCi625-P132  
ADCi6DPCAPOB  
ADCBMARM

ADCi625-P132  
ADCiPTZINDWCLR  
ADCi6DPCAPOW  
ADLOMARM

Available in black or white, and can be used with black or white bubble cover with clear or smoked bubble

# Specifications

## Camera

|                              |                                                                                                                                                                  |
|------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Resolutions                  | 1080p (1920 x 1080); HD+ (1600 x 900)<br>720p (1280 x 720); PAL+ (1024 x 576)<br>qHD (960 x 540); 800 x 450<br>nHD (640 x 360); 480 x 270<br>320 x 180; 160 x 90 |
| Max Frame Rate               | 1080p at 30ips                                                                                                                                                   |
| Imager                       | 1/2.8" Progressive CMOS Exmor™,<br>2 megapixel, solid state                                                                                                      |
| Scanning System              | Progressive                                                                                                                                                      |
| Wide Dynamic Range           | Yes                                                                                                                                                              |
| True Day/Night               | Yes                                                                                                                                                              |
| Minimum Scene Illumination   | 0.4 lux color, AGC on, 1/8s<br>0.04 lux, b/w, AGC on, 1/8s                                                                                                       |
| Auto Tracing White Balance   | Yes, adjustable                                                                                                                                                  |
| Shutter Speed (Auto)         | 1/2 - 1/30,000 sec                                                                                                                                               |
| Lens                         | 20x optical zoom                                                                                                                                                 |
| Horizontal Field of View     | 55.2° (wide); 2.9° (telephoto)                                                                                                                                   |
| Aperture (Aspherical Design) | F1.6~F3.5 (wide~telephoto)                                                                                                                                       |
| Focal Length                 | 4.7mm~94mm (wide~telephoto)                                                                                                                                      |
| Supported Codecs             | H.264 and MJPEG up to 1080p 30ips                                                                                                                                |
| Feature Plus Models          |                                                                                                                                                                  |
| Alarm Inputs                 | 4                                                                                                                                                                |
| Auxiliary Output             | One form 1-C relay                                                                                                                                               |
| Audio Compression            | PCM, G711A, G711U                                                                                                                                                |

## Operational

|                                                                 |                                                                                                                                                                                                            |
|-----------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Manual Pan/Tilt                                                 | 0.25°-100° per second (based on<br>zoom manual position)                                                                                                                                                   |
| Preset Pan/Tilt Speed                                           | 512° per second, maximum                                                                                                                                                                                   |
| Pan Travel                                                      | 360° continuous                                                                                                                                                                                            |
| Tilt Travel                                                     | 105°; 210° with the tilt auto flip feature                                                                                                                                                                 |
| Pan/Tilt Accuracy                                               | ± 0.25°                                                                                                                                                                                                    |
| Zoom/Focus Accuracy                                             | ± 0.5%                                                                                                                                                                                                     |
| Programmable Presets/Patterns/Sequences/<br>Areas/Privacy Zones | 96/16/16/16/32                                                                                                                                                                                             |
| Direction Indicators                                            | Yes                                                                                                                                                                                                        |
| Menu Languages                                                  | Arabic, Chinese (Simplified),<br>Chinese (Traditional), Czech, Danish, English (default), French, German,<br>Hungarian, Italian, Japanese, Korean, Dutch, Polish, Portuguese, Spanish,<br>Swedish, Turkish |

## Network

|                     |                                                                                                                                                                  |
|---------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Interface           | Ethernet 10/100Base-TX                                                                                                                                           |
| Ethernet Port       | RJ-45                                                                                                                                                            |
| Supported Protocols | IPv4, IPv6, TCP/IP, UDP/TLS, SSH, HTTP,<br>HTTPS, SOAP, FTP, SMTP, SNMP, RTP, RTSP, DDNS, DHCP, DNS, NTP,<br>WS-Discovery, WS-Addressing, WS-Security, multicast |

## Electrical

|                     |                                                                         |
|---------------------|-------------------------------------------------------------------------|
| Power               | .24 VAC; PoE+ IEEE 802.3at,<br>Class 4 (Indoor only)                    |
| Input Voltage       | .22 to 30 VAC, Class 2 LPS                                              |
| Line Frequency      | .50/60 Hz                                                               |
| Max. Current        |                                                                         |
| Indoor              | 1.4 amps RMS (25.5W max.)                                               |
| Outdoor             | 2.8 amps RMS (85VA and 75W max.)                                        |
| Power Connector     | 3-position, 3.5mm euro style connector                                  |
| Surge Protection    |                                                                         |
| Connectors          | Yes, on all electrical inputs/outputs                                   |
| Data and Power      | RJ-45 for 10/100BaseT                                                   |
| Feature Plus Models |                                                                         |
| Auxiliary Outputs   | 4input and 1 output 3.5mm pluggable<br>euro-style screw terminal blocks |
| Audio/Video         | cable assembly, electret microphone input<br>and audio output           |

## Mechanical

|                          |                                                                            |
|--------------------------|----------------------------------------------------------------------------|
| Indoor                   |                                                                            |
| Height (Includes Base)   | 178 mm (7.01 in)                                                           |
| Diameter                 | 154 mm (6.06 in)                                                           |
| Weight                   | 2.06 kg (4.5 lb)                                                           |
| Color                    |                                                                            |
| Camera                   | Black                                                                      |
| Bubble                   | Black (Pantone C) or white (RAL 9003)<br>cover with clear or smoked bubble |
| Outdoor                  |                                                                            |
| Height (Includes Base)   | 372 mm (14.65 in)                                                          |
| Diameter                 | 257 mm (10.12 in)                                                          |
| Weight (Base and Bubble) | 6.6 kg (14.6 lb)                                                           |
| Color (Bubble)           | White (RAL 9003) housing with<br>clear or smoked bubble                    |

## Profile Measurements for Indoor installation Options

|                      | Ceiling Surface Mount without Bubble | Ceiling Surface Mount with Bubble | Recessed Ceiling Mount with Bubble |
|----------------------|--------------------------------------|-----------------------------------|------------------------------------|
| Diameter             | 154 mm (6.06 in)                     | 210 mm (8.27 in)                  | 245 mm (9.65 in) (flange)          |
| Total Height         | 178 mm (7.01 in)                     | 213 mm (8.39 in)                  | 280 mm (11.02 in)                  |
| Height Below Ceiling | 191 mm (7.52 in)                     | 213 mm (8.39 in)                  | 116 mm (4.57 in)                   |

## Environmental

|                       |                                |
|-----------------------|--------------------------------|
| Operating Temperature |                                |
| Indoor                | -10°C to 50°C (14°F to 122°F)  |
| Outdoor               | -40°C to 50°C (-40°F to 122°F) |
| Humidity              | 95% non-condensing             |
| Storage Temperature   | -20°C to 65°C (-4°F to 149°F)  |

## Regulatory

|               |                                                                                                       |
|---------------|-------------------------------------------------------------------------------------------------------|
| Emissions     | FCC: Part 15 Class A,<br>CE: EN55022 Class A,<br>AS/NZS CISPR 22 Class A,<br>ICES-003/NMB-003 Class A |
| Immunity      | CE: EN50130-4, EN55024, EN61000-6-1                                                                   |
| Safety        | UL60950-1, IEC 60950-1,<br>CSA 22.2 No. 60950, CE: EN60950-1                                          |
| Outdoor       | UL 50 (Type 4), EN60529 (IP66)                                                                        |
| Environmental | RoHS                                                                                                  |

## Illustra 625 PTZ Camera - INDOOR

| Model Numbers              | Description                                                                     |
|----------------------------|---------------------------------------------------------------------------------|
| <b>Indoor Camera</b>       |                                                                                 |
| ADCi625-P132               | Illustra 625 PTZ camera, indoor, 1080p, 20x, no bubble, non-vandal, black       |
| ADCi625-P232               | Illustra 625 PTZ, 1080p, 20x indoor, Feature Plus, no bubble, non-vandal, black |
| <b>Indoor Bubble Cover</b> |                                                                                 |
| ADCiPTZINDWCLR             | Illustra 625 PTZ clear bubble cover, indoor, non-vandal, white                  |
| ADCiPTZINDWSMK             | Illustra 625 PTZ smoked bubble cover, indoor, non-vandal, white                 |
| ADCiPTZINDBCLR             | Illustra 625 PTZ clear bubble cover, indoor, non-vandal, black                  |
| ADCiPTZINDBSMK             | Illustra 625 PTZ smoked bubble cover, indoor, non-vandal, black                 |
| <b>Indoor Mounts</b>       |                                                                                 |
| ADCi6PFMKIWC               | Illustra 625 PTZ recessed flush mount, indoor, clear bubble, white              |
| ADCi6PFMKIWS               | Illustra 625 PTZ recessed flush mount, indoor, smoked bubble, white             |

### Illustra 625 PTZ Camera - INDOOR

| Model Numbers                                                                    | Description                                                            |
|----------------------------------------------------------------------------------|------------------------------------------------------------------------|
| ADCi6PFMKIBC                                                                     | Illustra 625 PTZ recessed flush mount, indoor, clear bubble, black     |
| ADCi6PFMKIBS                                                                     | Illustra 625 PTZ recessed flush mount, indoor, smoked bubble, black    |
| <b>Additional Indoor Mounts – Compatible with Illustra 625 PTZ Indoor Camera</b> |                                                                        |
| <b>Illustra 600 Series Mini-Dome</b>                                             |                                                                        |
| ADCiM6WALLBK                                                                     | Illustra 600 Series indoor/outdoor wall mount kit, black, with adapter |
| ADCiM6WALLWK                                                                     | Illustra 600 Series indoor/outdoor wall mount kit, white, with adapter |
| ADCi6DPCAPOW                                                                     | Illustra 600 Series pendant cap kit, white, with adapter               |
| ADCi6DPCAPOB                                                                     | Illustra 600 Series pendant cap kit, black, with adapter               |
| ADLOMARM                                                                         | Gooseneck arm, white                                                   |
| ADCBMARM                                                                         | Gooseneck arm, black                                                   |
| ADCDMPOLE                                                                        | Pole mount adapter                                                     |
| ADCDMCRNRO                                                                       | Outside corner mount adapter                                           |
| <b>IP SpeedDome Mounts</b>                                                       |                                                                        |
| RHIUBM                                                                           | I-Beam mount                                                           |
| RHIU2x2P                                                                         | 2 x 2 tile pendant                                                     |
| RHIU3x3                                                                          | 3.5 x 3.5 mounting plate                                               |
| RHIU4x4                                                                          | 4 x 4 mounting plate                                                   |
| RHIUCM                                                                           | Wall corner mount                                                      |
| <b>Additional Supplies</b>                                                       |                                                                        |
| ADPOE-Plus                                                                       | PoE+ single port midspan                                               |
| 0300-0914-03                                                                     | Universal transformer output, 24 VAC/ 45 VA                            |

### Illustra 625 PTZ Camera - OUTDOOR

| Model Numbers                                                     | Description                                                             |
|-------------------------------------------------------------------|-------------------------------------------------------------------------|
| <b>Outdoor Camera</b>                                             |                                                                         |
| ADCi625-P121                                                      | Illustra 625 PTZ camera, outdoor, 1080p, 20x, clear, vandal, white      |
| ADCi625-P122                                                      | Illustra 625 PTZ camera, outdoor, 1080p, 20x, clear, non-vandal, white  |
| ADCi625-P123                                                      | Illustra 625 PTZ camera, outdoor, 1080p, 20x, smoked, vandal, white     |
| ADCi625-P124                                                      | Illustra 625 PTZ camera, outdoor, 1080p, 20x, smoked, non-vandal, white |
| ADCi625-P221                                                      | Illustra 625 PTZ, outdoor, Feature Plus, clear, vandal, white           |
| ADCi625-P222                                                      | Illustra 625 PTZ, outdoor, Feature Plus, clear, non-vandal, white       |
| ADCi625-P223                                                      | Illustra 625 PTZ, outdoor, Feature Plus, smoked, vandal, white          |
| ADCi625-P224                                                      | Illustra 625 PTZ, outdoor, Feature Plus, smoked, non-vandal, white      |
| <b>SpeedDome Mounts – Compatible with Illustra 625 PTZ Camera</b> |                                                                         |
| RHOSW                                                             | Short wall mount with end cap                                           |
| RHOLW                                                             | Long wall mount with end cap                                            |
| RHOTR                                                             | Over the roof mount                                                     |
| ROTRF                                                             | Over the roof mount adapter                                             |
| RHOWCA                                                            | Corner bracket adapter                                                  |
| RHOWPA                                                            | Pole strap                                                              |
| ROENDC                                                            | End cap assembly                                                        |
| <b>Additional Supplies</b>                                        |                                                                         |
| ADSPOT                                                            | Power supply, one output, 120/240 VAC to 24 VAC                         |

Refer to the Camera Accessories tab at <http://www.americandynamics.net> for more detailed information on the Illustra 600 Series Mini-Dome and IP SpeedDome Mounts.

## Related Products



VideoEdge NVR



VideoEdge Hybrid



victor



exacqVision NVR

## Approvals



[www.americandynamics.net](http://www.americandynamics.net)