

Accuracii XR



EXTREME LONG-RANGE DUAL CHANNEL PTZ SURVEILLANCE SYSTEM



The Accuracii XR is an extreme long-range, dual sensor security and surveillance system. It is ideal for borders and other sensitive sites that need to observe and monitor large areas of interest from a considerable distance. This market leading system combines an advanced cooled continuous zoom thermal camera with a long-range visible light camera, on an accurate pan-tilt unit. The Accuracii XR is available in a range of configurations, including analog or IP, with options for adding a laser range finder (LRF), GPS, & thermal image stabilization. The Accuracii XR's continuous zoom optics are ideal for tracking and threat detection at more than 20km.

FEATURES

KEY BENEFITS

- **Dual Continuous Zoom Channels**
Independent thermal and HD color cameras provide maximum situational awareness, and 24/7 threat assessment.
- **Long-Range Thermal Optics**
Cooled thermal cameras provide Johnson's Criteria detection beyond 20km.
- **Ruggedized for Harsh Environments**
Designed and certified to IP66, hot, cold, dusty, and other harsh environments.
- **Easy Integration**
Serial or TCP/IP configurations, Pelco D & ONVIF Profile S compliant (TCP/IP only).
- **Additional Options**
Laser Range Finder (6/10/20km)
GPS Module
Analog or TCP/IP

AVAILABLE CONFIGURATIONS

CZ275

- Thermal & Day Imagers
- Cooled: 640x512 15 μ
 - Visible: 756x494 / 1920x1080
- Continuous Zoom Optics
- Thermal: 19-275mm
 - Visible: 10-320mm

CZ300

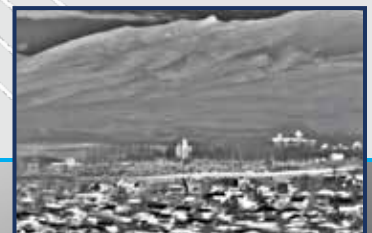
- Thermal & Day Imagers
- Cooled: 640x512 15 μ
 - Visible: 756x494 / 1920x1080
- Continuous Zoom Optics
- Thermal: 15-300mm
 - Visible: 10-320mm

CZ420

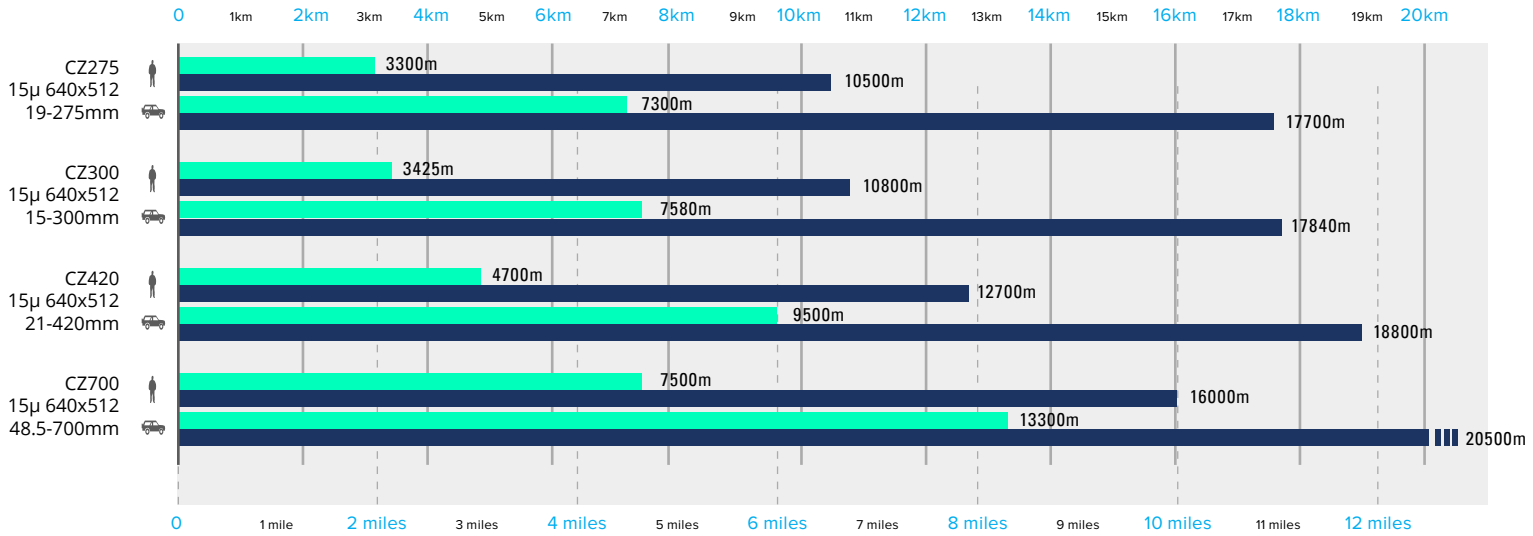
- Thermal & Day Imagers
- Cooled: 640x512 15 μ
 - Visible: 756x494 / 1920x1080
- Continuous Zoom Optics
- Thermal: 21-420mm
 - Visible: 15.6-500mm

CZ700

- Thermal & Day Imagers
- Cooled: 640x512 15 μ
 - Visible: 756x494 / 1920x1080
- Continuous Zoom Optics
- Thermal: 48.5-700mm
 - Visible: 15.6-500mm



Accuracii XR Camera Performance



= Human Subject
Size 1.8mx0.6m

= Vehicle Subject
Size 2.3mx2.3m

Recognition 6 lines on subject
Detection 2 lines on subject

* Performance dependent on atmospheric conditions

| Features | Thermal Channel | Day Channel | |
|------------------------|--|--------------------------------------|---------------|
| Imager Type | Cooled 15µ InSb 3-5µ | Color CCD | Color HD CMOS |
| Resolution | 640x512 | 768x494 | 1920x1080 |
| Sensitivity | NETD: <20°mK | SNR >50dB | |
| Video Output | RS-170 (30Hz) / CCIR (25Hz) | NTSC (30Hz) / PAL (25Hz) | |
| Imager Features | Motorized Focus, Autofocus on Demand Polarity, NUC, Image Flip, Manual Gain/ Level, Optical & Digital Zoom | 12x Digital Zoom & Autofocus | |
| Continuous Zoom Lenses | CZ275 19-275mm: 29.8° - 2.0° HFOV CZ300 15-300mm: 35.1° - 1.8° HFOV | 10-320mm (32x): 35.3° - 1.1° HFOV | |
| | CZ420 21-420mm: 25.1° - 1.3° HFOV CZ700 48.5-700mm: 11.9° - 0.8° HFOV | 15.6-500mm (32x): 22.4° - 0.45° HFOV | |
| Features | System Specifications | | |
| Unit Dimensions | Dependent on configuration - see system specifications | | |
| Unit Weight | Dependent on configuration - see system specifications | | |
| Environmental Rating | IP66 | | |
| Certifications | CE, FCC | | |
| Power Input | 18-28VDC | | |
| Power Consumption | 30w typical; 350w max | | |
| Operating Temperature | -40° to +60°C (-40° to +140°F) | | |
| Communication Protocol | Pelco D, ONVIF Profile S | | |
| Control Connection | Serial: RS422/RS485, TCP/IP | | |
| Accuracy | +/-1.5 mRad | | |
| Pan Range | 360° Continuous | | |
| Tilt Range | -90° to +90° | | |
| Pan Speed | Variable Speed, 0.1° - 50°/sec max | | |

* Some countries may be subject to thermal camera export licensing requirements.