

# Sii XR

## LONG RANGE CONTINUOUS ZOOM THERMAL CAMERAS

Vumii's Sii XR is a family of long range, continuous zoom, cooled thermal cameras for use in long range surveillance systems.

Sii XR features a wide range of thermal engine and lens options in the 3 - 5 $\mu$  MWIR spectral range.

Sii XR is available in Vumii's Accuracii product or as a standalone fixed mounted package for easy integration.



### KEY BENEFITS

#### **Long Range Optics**

Cooled thermal cameras provide Johnson's Criteria Detection beyond 20km

#### **Cooled and Uncooled Continuous Zoom Cameras**

Innovative cooled continuous zoom thermal cameras with thermal autofocus provide extremely long range performance.

#### **Advanced Imaging**

Vumii's proprietary image processing algorithms provide industry leading thermal image quality.

#### **Rugged Design**

Designed and certified to IP67, hot, cold, dusty, and other harsh environments

### AVAILABLE CONFIGURATIONS

#### **Thermal Imager & Optics:**

- Cooled 15 $\mu$  640 x 512: Continuous Zoom 19 - 275mm
- Cooled 15 $\mu$  640 x 512: Continuous Zoom 15 - 300mm
- Cooled 15 $\mu$  640 x 512: Continuous Zoom 21 - 420mm
- Cooled 15 $\mu$  640 x 512: Continuous Zoom 48.5 - 700mm

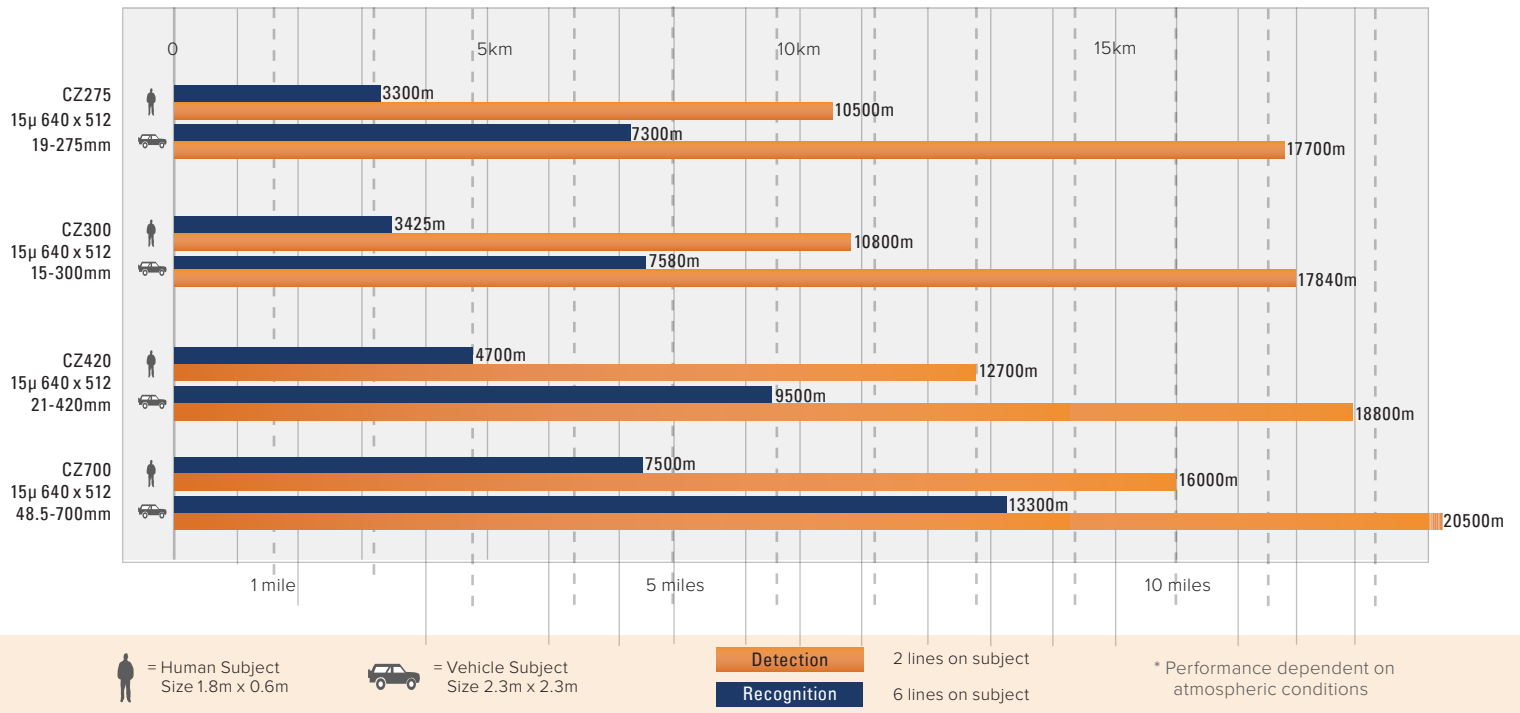
#### **Video Output:**

- NTSC or PAL

#### **Analog or IP out**

#### **CameraLink out**





## Imaging Characteristics

|                        | Cooled Thermal   |
|------------------------|--|
| Imager Type            | Cooled 15µ InSb 3-5µ   |
| Resolution             | 15µ: 640 x 512   |
| Sensitivity            | NETD: < 20° mK   |
| Video Output           | RS-170 (30Hz) / CCIR (25Hz)  |
| Video Format           | Composite Video<br>CameraLink out<br>TCP/IP (H.264)  |
| Imager Features        | 12x Digital Zoom & Autofocus   |
| Continuous Zoom Lenses | CZ 19 - 275mm: 29.8° - 2.0° HFOV<br>CZ 15 - 300mm: 35.1° - 1.8° HFOV<br>CZ 21 - 420mm: 25.1° - 1.3° HFOV<br>CZ 48.5 - 700mm: 11.9° - 0.8° HFOV |

## Electro-Mechanical Characteristics

|                          |  |
|--------------------------|--|
| Unit Weight & Dimensions | CZ275 6.7kg (14.8lb) 340mm x 202mm x 205mm<br>CZ300 7.2kg (15.9lb) 340mm x 202mm x 205mm<br>CZ420 8.0kg (17.6lb) 384mm x 202mm x 205mm<br>CZ700 8.5kg (18.7lb) 420mm x 202mm x 205mm |
| Environmental Rating     | IP67   |
| Power Input              | 18 - 32VDC   |
| Power Consumption        | 24w Typical; 80w Max   |
| Operating Temperature    | CZ275, CZ300, CZ700: -40 to +60°; (CZ420: -20 to +60°)   |
| Communication            | RS-232<br>RS-422/RS-485 4 wires<br>TCP/IP  |