# **Super MARKOS**

**HOT MWIR 1280 X 1024 10**μm

#### **Description**

Super MARKOS is a new generation T2SL HOT MWIR detector in HD quality. This T2SL HOT detector satisfies requirement of tactical such as long-range surveillance and electro-optical targeting system. The Operating temperature(130K) will reduce the maintenance cost.

#### **Applications**







Night Observation



Long-range Surveillance

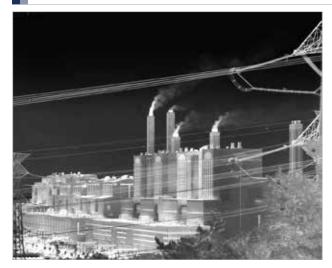


Long-range Reconnaissance





#### **Images from the 2D IR detector**





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## Specifications

| Array format              | 1280×1024                        |
|---------------------------|----------------------------------|
| Pixel pitch               | 10 <i>μ</i> m                    |
| Detector type             | T2SL                             |
| Wavelength band           | MWIR (3μm~5μm)                   |
| No. of output channel     | 4 or 8 channels                  |
| Operability               | ≥ 99.5 %                         |
| NETD                      | ≤25mK @ Half-well fill           |
| Frame rate                | up to 110Hz@1280x1024 Full frame |
| Dimension                 | 75mm x 56mm x 143mm              |
| Cool-down time            | ≤ 5 min                          |
| Environmental condition   | MIL-STD-810                      |
| Operating temperature     | -40~+71℃                         |
| FPA operating temperature | 130K                             |

### **Dimension**

