

Super MARKOS

HOT MWIR 1280 x 1024 10 μ m

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



Security



Night
Observation



Long-range
Surveillance



Reconnaissance



Images from the 2D IR detector



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Specifications

| | |
|-------------------------|----------------------------------|
| Array format | 1280x1024 |
| Pixel pitch | 10 μ m |
| Detector type | 12SL |
| Wavelength band | MWIR (3 μ m~5 μ m) |
| No. of output channel | 4 or 8 channels |
| Operability | $\geq 99.5\%$ |
| NETD | ≤ 25 mK |
| Frame rate | up to 110Hz@1280X1024 Full frame |
| Dimension | 75mm X 56mm X 143mm |
| Cooldown time | ≤ 5 min |
| Environmental condition | MIL-STD-810 |
| Operating temperature | -40~+71 $^{\circ}$ C |
| FPA temperature | 130K |

Dimension

