

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



SEE THE NEW WORLD THROUGH i3system, Inc.

Specifications

Array format	1280x1024
Pixel pitch	10 μ m
Detector type	T2SL
Wavelength band	MWIR (3 μ m~5 μ m)
No. of output channel	4 or 8 channels
Operability	$\geq 99.5\%$
NETD	$\leq 25\text{mK}$ @ 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 $^{\circ}$ C
FPA operating temperature	130K

Dimension

