

MARKOS 640S

HOT MWIR 640 x 512 7.5 μ m, SWaP

Description

MARKOS 640S is a T2SL HOT MWIR SWaP detector which is designed for handheld thermal imaging and drone & UAV systems. This 640x512, 7.5 μ m detector is much smaller than other existing detectors which makes the user to experience much improved solutions in terms of size and weight.

Applications



Security /
Surveillance



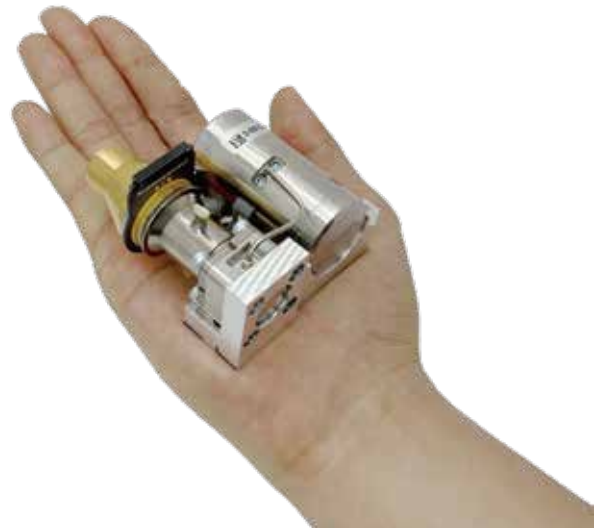
Night
Observation



Drone



Hand-held
Thermal Imager



Images from the 2D IR detector



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Specifications

Array format	640 x 512
Pixel pitch	7.5 μ m
Detector type	T2SL
Wavelength band	MWIR (3 μ m ~ 5 μ m)
No. of output channel	4 channels
Operability	$\geq 99.5\%$
NETD	≤ 35 mK (Typ. 31mK)
Frame rate	up to 220Hz @ 640 x 512 Full Frame
Dimension	61.5mm x 54.7mm x 33.6mm
Cool-down time	≤ 5 min
Environmental condition	MIL-STD-810
Operating temperature	-40~+71 $^{\circ}$ C
FPA operating temperature	130K

Dimension

