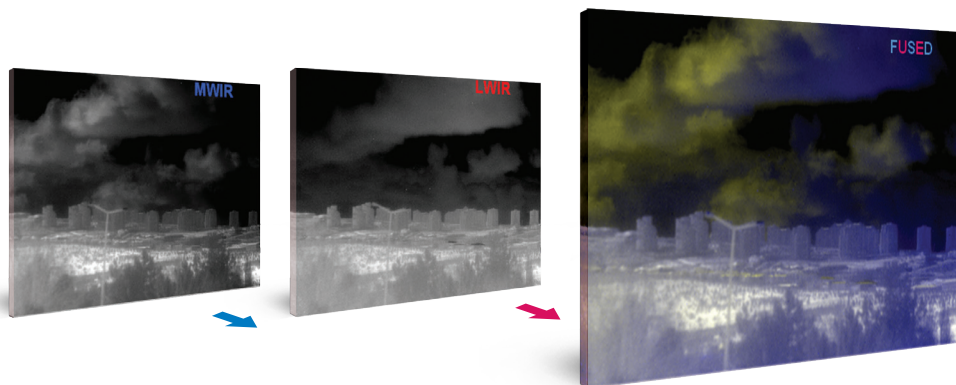
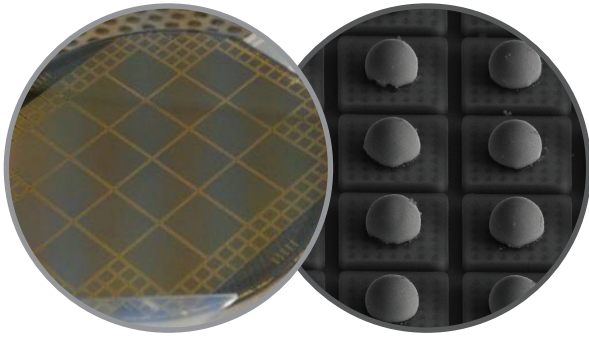


# DUAL BAND QWIP 640





# DUAL BAND QWIP 640

## FPA Specifications

Dual Band QWIP 640 IDDCA can be adapted to high resolution thermal imaging for all military and civilian applications.

### Array type

640x512 QWIP

### Pixel pitch

20  $\mu\text{m}$  or 25  $\mu\text{m}$

### Spectral response

4.5 – 5.1  $\mu\text{m}$  (MWIR), 7.7 – 8.9  $\mu\text{m}$  (LWIR)

### FPA operating temperature

67 K

### Operation modes

Snapshot in one band or sequential imaging in both bands

### Charge capacity

11 Me<sup>-</sup> (per band)

### Number of outputs

1, 2 or 4

### Max. frame rate

Up to 100 Hz in dual band imaging mode

### NETD (50 Hz, f/2, T=67 K)

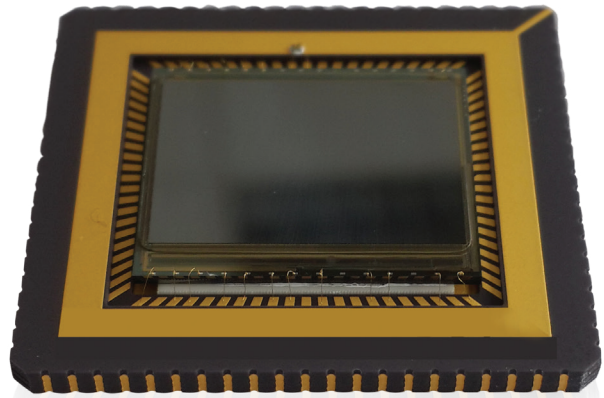
30 mK (MWIR), 45 mK (LWIR)

### Operability

> 95.5% (both bands)

### Cooler Type

Will be determined upon customer requirements



Developed by Quantum Devices & Nanophotonics Research Group, Middle East Technical University.

This study is funded by The Scientific and Technological Research Council of Turkey (TÜBİTAK) and the content is not binding for TÜBİTAK.

P: +90 (312) 592 10 00 | F: +90 (312) 354 13 02 | mgeomarketing@aselsan.com.tr



ASELSAN A.Ş. is a Turkish Armed Forces Foundation company.

**aselsan**