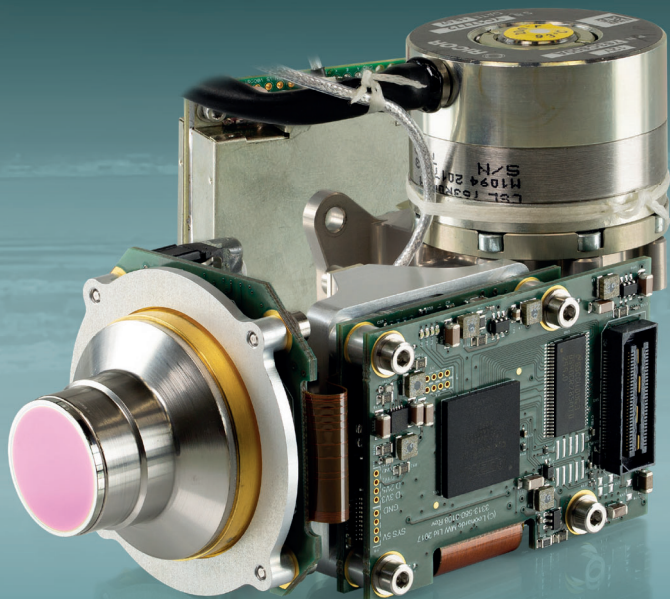


# HAWK-C

ELECTRONICS DIVISION

## MEDIUM WAVE INFRARED DETECTOR



The Hawk-C Medium Wave Infrared (MWIR) detector is a compact 640 x 512 Mercury Cadmium Telluride (MCT) Integrated Detector Cooler Assembly (IDCA).

To reduce size, weight and power the MCT is operated warmer than the standard Hawk IDCA, allowing the use of lower powered coolers and promoting longer engine life.

Hawk-C is available either as an IDCA with a similar electrical interface to Hawk or with proximity electronics.

The proximity electronics also provide the IDCA with drive signals and sensitive power supplies.

### MAIN FEATURES

- › Medium wave 3 - 5 $\mu$ m
- › Small element 16  $\mu$ m pitch enables miniaturisation of the Dewar assembly and optics
- › High electro-optic performance with low crosstalk, automatic anti-blooming at the pixel level and excellent sensitivity
- › Higher operating temperature
- › Longer cooler life
- › Less in-service support
- › Lower through-life cost
- › Flexible windowing gives enhanced frame rates over selected areas of the array
- › Variable gain via user selectable integration capacitors
- › Snapshot or rolling readout operation
- › Simple to use with proximity electronics available