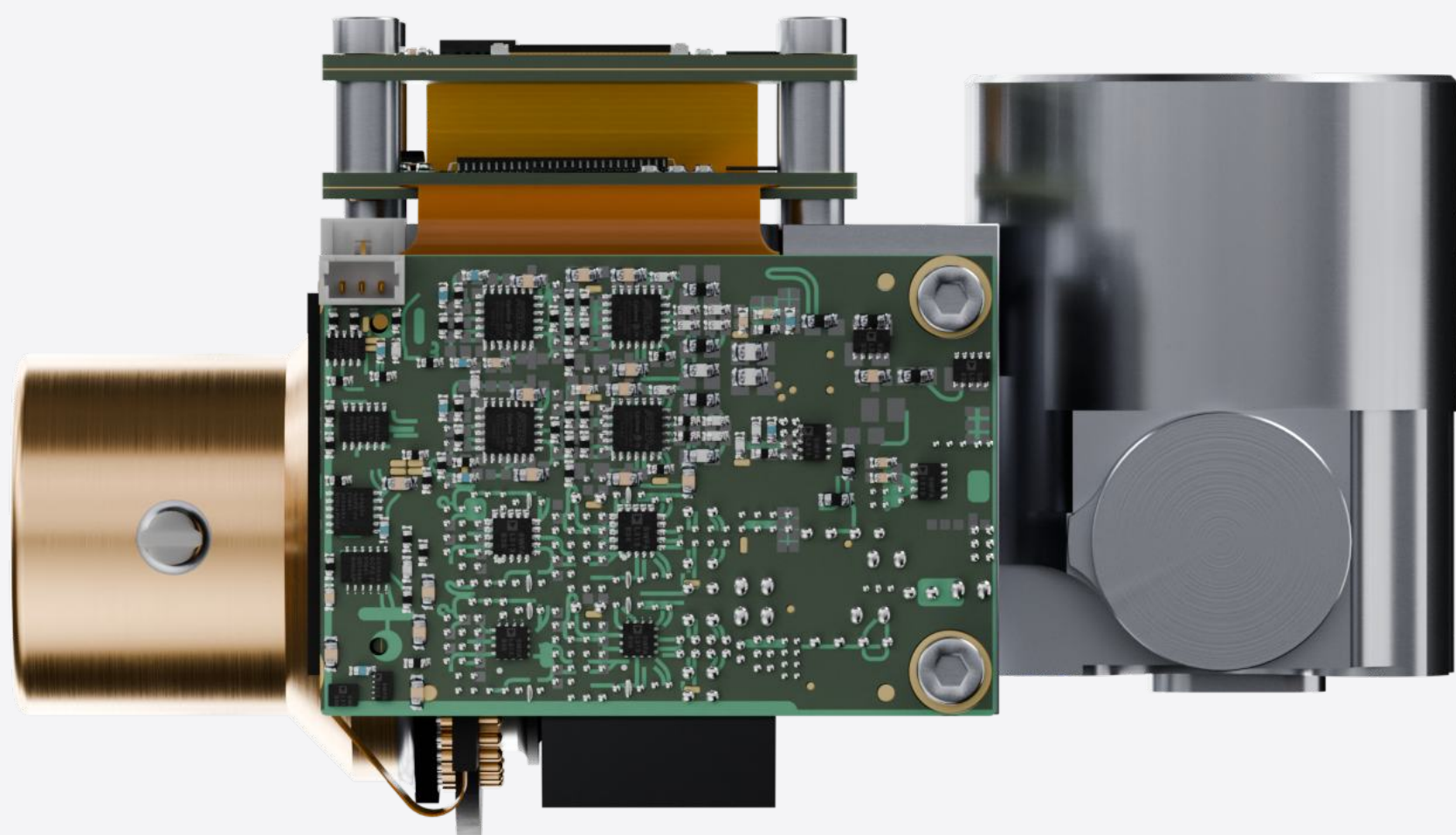
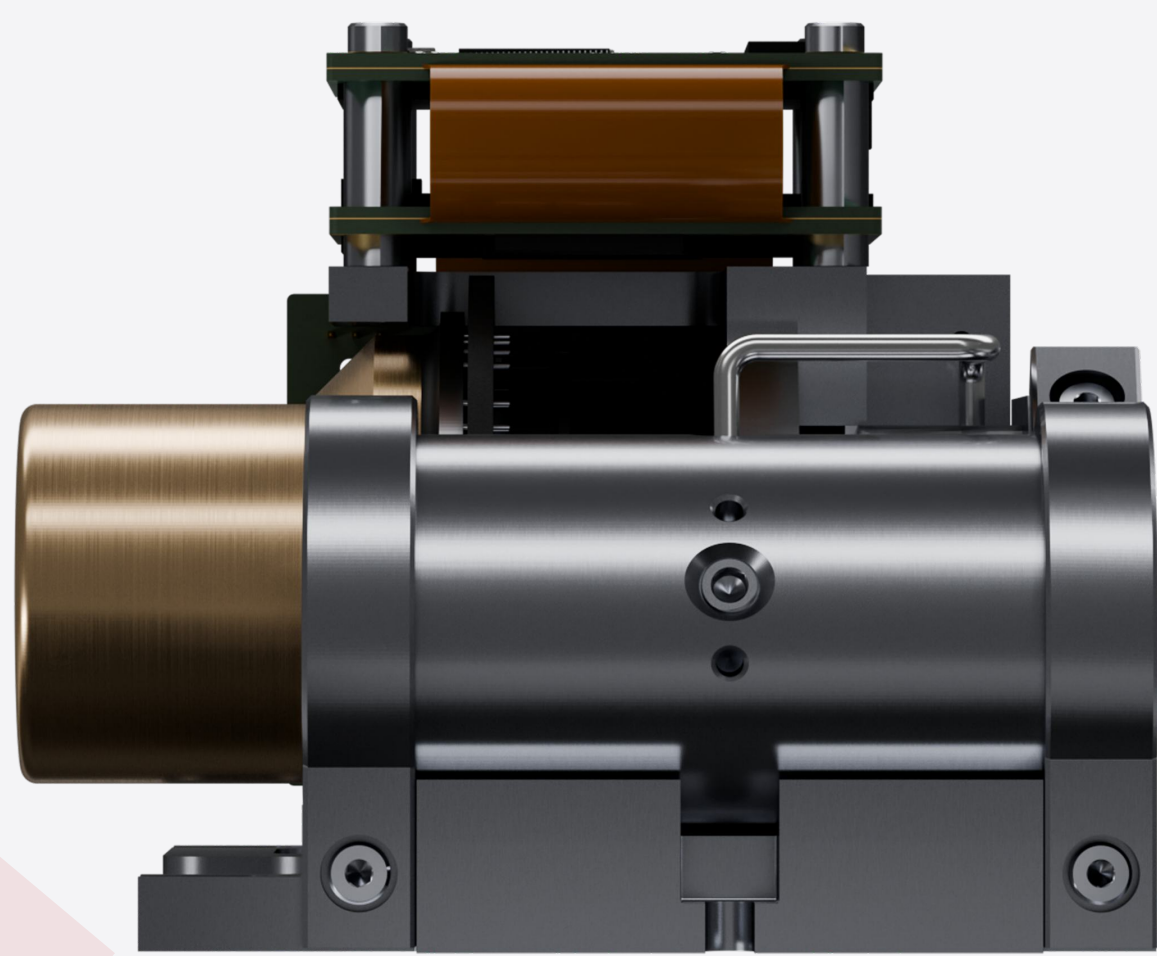


T2SL Skade

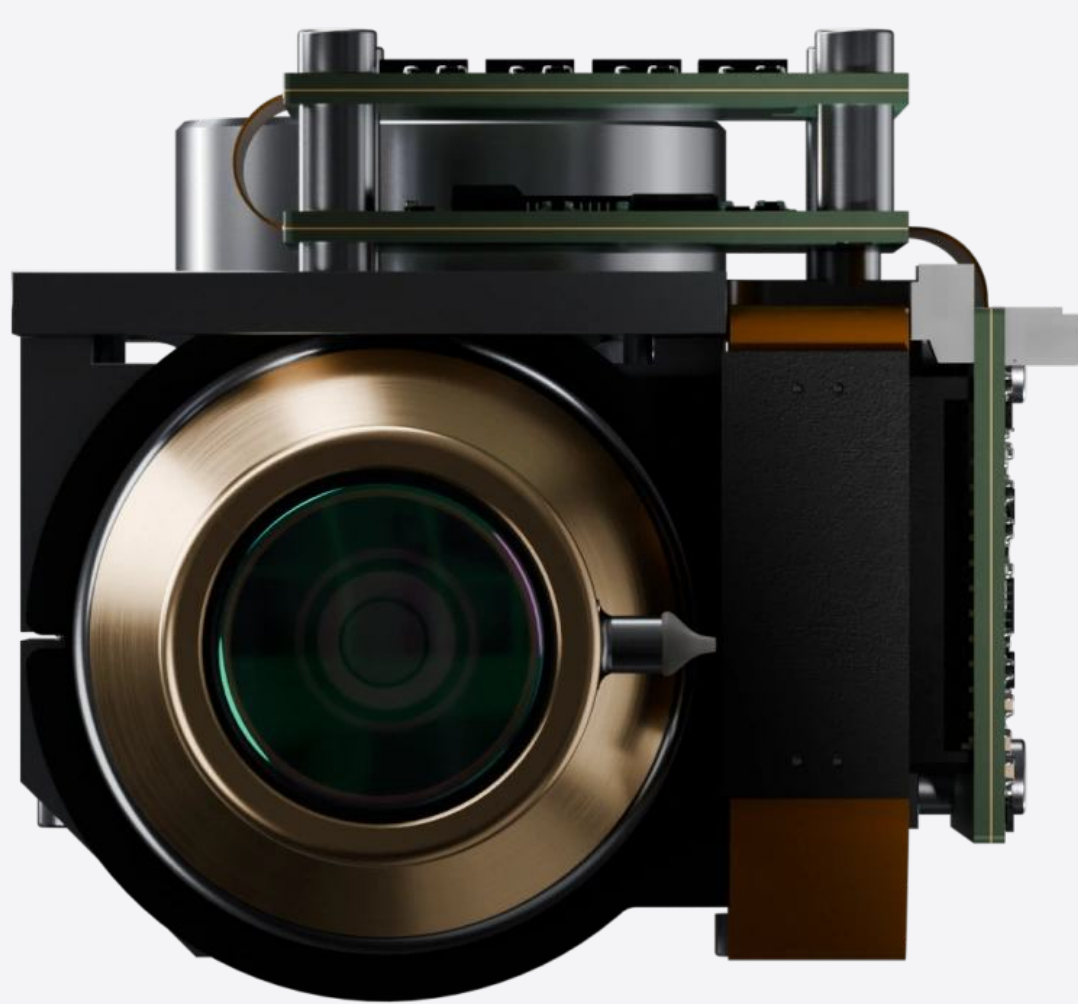
T2SL Skade is a 1280x1024, 7.5 µm pixel pitch SWaP MWIR detector. Its world-leading T2SL technology enables a compact form factor and low power consumption in both rotary and split linear cooler configurations.



Skade RMs1



Skade SL K588



Skade RMs1



Skade SL K588

Description

The Skade is a 1280 × 1024, 7.5 µm pitch T2SL detector designed for demanding MWIR applications. Our groundbreaking T2SL technology combines high resolution, high quantum efficiency across the full 3–5 µm spectral range, low NETD, exceptional array uniformity and operability, all within an outstanding SWaP (Size, Weight and Power) footprint.

Applications

- ✓ Long range security & surveillance
- ✓ Space constrained systems (UAV gimbals, compact multisensor systems)
- ✓ High performance ISR and targeting airborne gimbals
- ✓ Handheld and battery powered systems (goggles, portable cameras)
- ✓ Mobile and stationary platforms

General information

Application: General purpose
Technology: T2SL

Format: 1280x1024
Pixel pitch: 7.5 µm

Typical detector performance

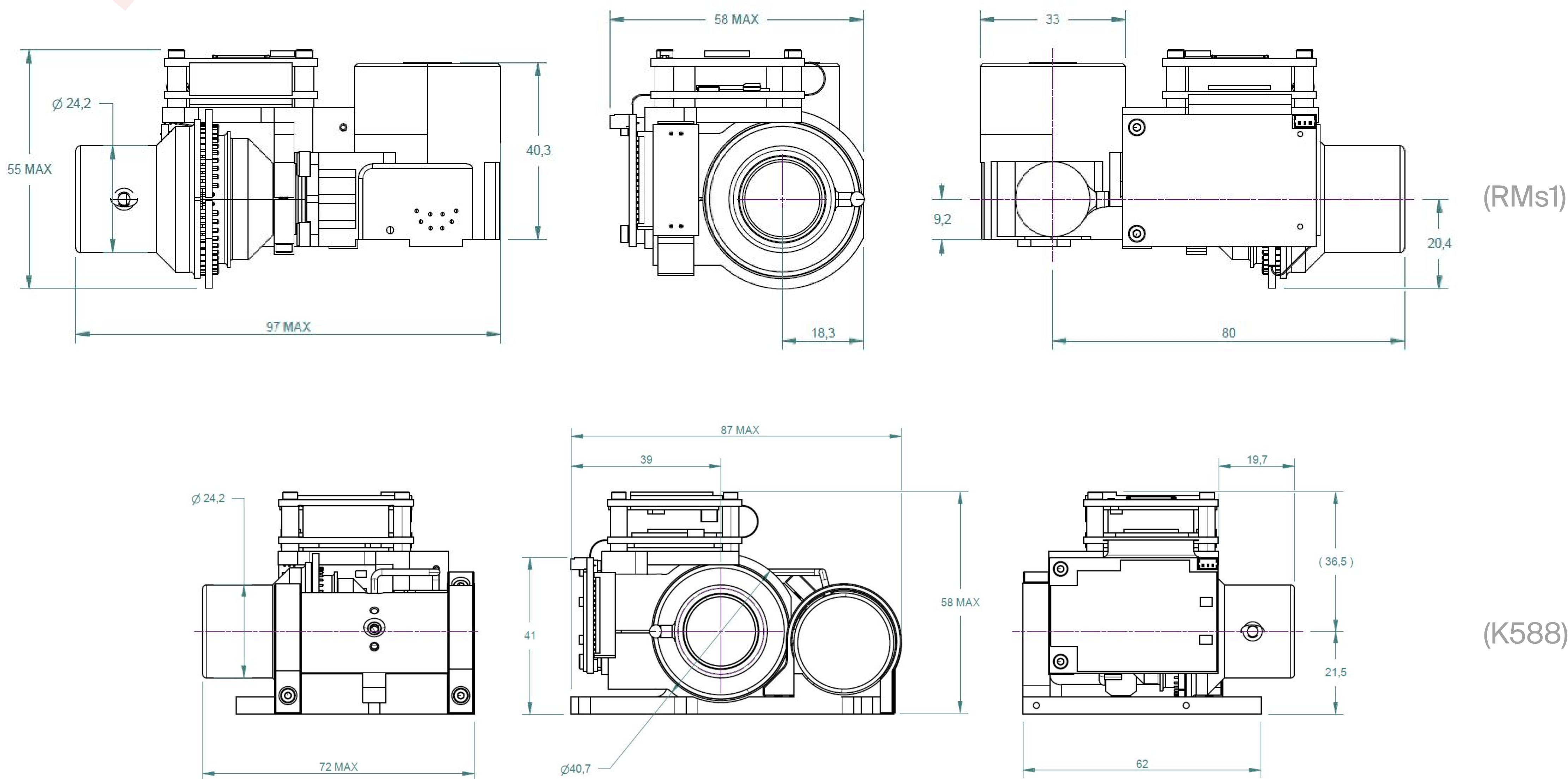
Spectral range: 3.7 - 5.1 µm
CO2 notch filter optional
F number options: F/2, F/3, F/4
NETD: 30 mK @ F/3, 60 Hz
Pixel operability: 99.9 %
MTF: 60 %
@ Nyquist frequency

Proximity electronics

Supply voltage: 5 V
Maximum frame rate: 60 Hz
120 Hz optional
Electrical interfaces: Camera Link
Cooler control and proximity electronics included

IDDCA Parameters

Cooler options: RMs1, K580, K588, SX020
Weight: 260 g (RMs1)
350 g (K588)
Power consumption: 2 W
Without proximity electronics
Dimensions: 97x58x55 mm (RMs1)
87x72x58 mm (K588)
Cool down time: 4 min
Cooler MTTF: 12 500 h (RMs1)
30 000 h (K588)
Cooler voltage: 12 V
Environmental conditions: MIL-STD-810



Technical characteristics described above are not contractual and may change without prior notice. This is revision 1.0