



## INDIAN INSTITUTE OF TECHNOLOGY BOMBAY

Materials Management Division

Powai, Mumbai- 400 076

**For PR No.1000015631 (RFx No.6100000409)**

### **Technical Specifications for Thermal Camera Core**

#### **Small format: Qty:2**

- Detector type: VoX or aSi
- Array size: 380 x 288 or near
- Pixel pitch:  $\leq 17\mu\text{m} \times 17\mu\text{m}$
- Spectral response:  $8\mu\text{m} - 14\mu\text{m}$
- Temperature control: TEC
- Frame rate: 60Hz
- NETD:  $<40\text{mK @ F1}$
- Operability:  $\geq 99.5\%$
- Power consumption:  $<2\text{W}$
- Operating temperature:  $-40\text{C to }60\text{C}$
- Compatible lens: Focal length of 20mm or near

#### **Medium format: Qty:2**

- Detector type: VoX or aSi
- Array size: 640 x 480 or near
- Pixel pitch:  $\leq 17\mu\text{m} \times 17\mu\text{m}$
- Spectral response:  $8\mu\text{m} - 14\mu\text{m}$
- Temperature control: TEC
- Frame rate: 60Hz
- NETD:  $<40\text{mK @ F1}$
- Operability:  $\geq 99.5\%$
- Power consumption:  $< 2\text{W}$
- Operating temperature:  $-40\text{C to }60\text{C}$
- Compatible lens: Focal length of 50mm or near

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