

SHIS No: 208-0570

Reg. No: 20/584

(2)

Spec. 020

**UNCOOLED THERMAL ENGINE SPECIFICATION FOR WEAPON SIGHT**

S.No.	Parameter	Value
1	Detector Type	Uncooled, Micro bolometer based
2	Detector Resolution	$\geq 640 \times 480$ pixel
3	Detector Pitch	$\geq 12 \mu\text{m}$
4	Spectral Range	8 - 14 $\mu\text{m}$
5	Sensitivity	$\leq 50$ mK
6	Frame Rate	25 Hz/30Hz
7	Power Consumption	$\leq 2.2$ watt
8	Time to Image	$\leq 15$ sec
9	Supply Voltage	5-12 V
10	Digital Zoom	2x, 4x
11	Polarity Invert	Yes
12	Image Flip	Horizontal & Vertical
13	Overlay Graphics	Text, Reticles
14	Operation Temperature	-20°C to + 55°C
15	Storage Temperature	-40°C to + 85°C
16	Size	$\leq 40$ mm x 40mm x 40mm
17	Weight	$\leq 70$ gms

**Note:**

1. Firm should provide support for making, installing and testing of customised reticle at our facility as per our design.
2. Line thickness control for reticle at pixel level.
3. OEM or Authorised Suppliers of the OEM are permitted to participate for the item.

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09/06/2020

FOR TRADE ONLY  
Date of Issue 12/06/2020  
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