THERMAL ENGINE (UN-COOLED) INTEGRATED WITH DISPLAY UNIT

S.No	Description	Specifications
1	Spectral Range	8-14µm LWIR
2	Pixel Pitch	12 µm
3	Sensitivity	≤50mK @ F1.0
4	Startup Time	≤ 15sec
5	Detector Type	Asi / Vox or as per OEM design
6	Resolution	640X480
7	NUC	Shutter less or as per OEM design
8	Input Power- DC input	12v
9	Input Power- Battery channel	3v to 5v
10	Sensor Frame rate	50 Hz/25 Hz or as per OEM design
11	Polarity	White Hot, Black Hot
12	Digital Zoom	1x, 2x, 4x
13	Reticles	Minimum 4 slot
14	Features	Auto Gain Control Brightness Contrast Battery status display on OLED
15	Control Interfaces	Serial Interface UART interfaced with board to wire connector or as per OEM design.
16	Keypad interface	Menu system with minimum 3 keys interfaced with board to wire connector or as per OEM design
17	Analog video Interface	Analog-PAL
18	Digital Video interface to OLED	16 bit / YCbCr/ 8 Bit BT656 / MIPI
19	Display type	OLED integrated with Thermal Engine
20	Display Resolution	Greater than 640 x 480
21	Display frame rate	50 Hz/25 Hz or as per OEM design
22	Weight (full stack Detector to OLED)	Max 90 Grams +10 %
23	Power	Less than 2 Watt or as per OEM design
24	Operating temperature	-20 °C to + 55 °C or better
25	Dimensions including the full stack detector to display (LxBxH)	Max (45x42x42) +20 %

NOTE: -1. The supplier will have to share the source of purchase of thermal sensor & OLED with the relevant OEM documents.

2. The Supplier will have to give card wise itemized price list of the item.

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