

Thermal Imaging Systems (TBIR FAMILY)

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Technical Specification	Model				
	TBIR 40	TBIR 90	TBIR 100	TBIR 120	TBIR 150
Sensor	320 x 240 pixle, uncooled FPA microbometer				
Spectral Band	7.7 - 13 micron				
Display	CRT / LCD view finder				
Lens	40 mm	90 mm	100 mm	120 mm	150 mm
F Number	0.8	1.0	1.0	1.0	1.0
Field of view (Deg)	18 x 13.5	9 x 6.8	8.1 x 6.1	6.7 x 5.1	5.4 x 4
NETD	Less than 0.1 deg.				
Video output	PAL				
Frame rate	50 Hz				
Operating temperatyre(°C)	-20°C to + 50°C				
Dimentions (mm)	254 x 94 x 105				
Weight (kg)	1.1	1.8	2.4	3.0	3.5

Optics	Detection Range (meter)		
	Aircraft	Vehicle	Person
40 mm , F/0.8	2500	800	400
90 mm , F/1.0	5000	2000	1000
100 mm , F/1.0	6000	2200	1150
120 mm , F/1.0	7000	2500	1350
150 mm , F/1.0	10000	3000	1500