

ANCHIALE

THERMAL WEAPON SIGHTS
FOR RIFLES
AND MACHINE-GUNS



VARIANT	MEDIUM AFOCAL (with 4x Day Sight)	LIGHT	MEDIUM	HEAVY
Use				
Recognition Range	1,100 m	700 m	1,100 m	2,200 m
Reccomended Riffle	M4, M16, M136, M249, M240B	M4, M16, M136	M4, M16, M136, M249, M240B	M24, M107, M2 HB, MK19
IR Sensor & Engine				
Detector	Uncooled (VOx) microbolometer			
Spectral Response	8-12 μm			
Resolution / array format	640 x 480			
Pitch	17 μm			
Optics				
Objective Focal Length	50 mm	35 mm	50 mm	75 mm
f / Number	f/1.2	f/1.2	f/1.2	f/1.4
Scene Resolution	1.4 cy/mrad	1.0 cy/mrad	1.4 cy/mrad	2.2 cy/mrad
Horizontal Field of View (HFOV) - wide	12.4°	17.6°	12.4°	8.3°
Horizontal Field of View (HFOV) - narrow	(x2, x4 digital zoom)	(x2 digital zoom)	(x2, x4 digital zoom)	(x2, x4 digital zoom)
Magnification	x1.0 afocal	x1.3	x1.9	x2.9
Coatings	Hard Carbon on exposed surfaces and High Efficiency on internal surfaces			
Eyepiece assembly				
Display resolution	640 x 480			
Individual eye correction	-6 / +2 diopter adjustment			
Power				
Source	4 AA Batteries			
Operating time	> 8 hours			
Start-Up	< 4 s			
Video				
Frame rate	30 Hz			
Video Out	Analog RS-170			
Polarity	White Hot / Black Hot			
Power Conservation	Standby mode			
Physical Characteristics				
Weight	< 1 Kg	< 1 Kg	< 1.5 Kg	< 2 Kg
Environmental Characteristics				
Operating temperature	-40 °C to +55 °C			
Storage temperature	46 °C to +71 °C			
Qualification testing	MIL-STD 810G & MIL-STD 461E & IP67			
Weapon Interface				
Standard Mount	MIL-STD-1913 / STANAG 4694 Picatinny Rail or Weaver Rail			
Reticles	Selectable & Adjustable to Boresight			