



Britannia Defence Systems Limited

Designers, Manufacturers & Integrators of Specialist
Surveillance Systems and Equipment

TIM-28

Thermal Imaging Long Range Scope



Features

- CNC Machined, Strong and Durable
- Aluminium body
- Tripod Mountable
- Digital Zoom 2X and 4X Control
- Black Hot/White Hot Polarity Switch
- “Refresh” Button Switch
- High Performance Colour Displays
- Mil. Spec. Manual Gain Control (Display Brightness Override)
- Mil. Spec. Universal Service Connector
- Fully Sealed and Waterproof Body
- Video Out: Standard RC, Cable Included

Description

Thermal Imaging Long Range Scope TIM-28 enables law enforcement and military personnel to see heat signatures of objects, people, and other sources. TIM-28 detects extremely small differences in temperature, so that officers can distinguish people from their immediate surroundings. Needing no light to operate, the TIM-28 generates high-quality images 24 hours, during the day or at night, even through smoke and fog. Compare that to conventional night vision equipment, which requires light or special illuminators and is incapacitated by smoke, fog, and often other particulates. While darkness and camouflage can defeat night vision, suspects cannot hide from TIM-28. Their own body heat gives them away. The TIM-28 thermal imager is a powerful tool for tactical, surveillance and scene assessment applications. Its small size, light weight and ability to be weapon mounted make the TIM-28 simple and yet, very effective in operation

Options

- Digital Compass and Altimeter
- B&W or Full Colourisation of Display
- Shuttered, Self Closing Eye Guard
- External Li-Ion Battery Pack with Charger (Good for up to 8 Hours Continuous Use)
- Video Out to USB Adapter & Software
- “Snap-On” 50mm Germanium lens will increase detection range
- Tripod



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Specifications

F.P.A Material:	Microbolometer, Uncooled
Spectral Response:	7-14 um
F.P.A Format	320 X 240
Thermal Sensitivity	<50mK
Refresh Rate:	30 Hz
Start Up Time:	~4 sec
Interface & Control:	USB 2.0
Display Type and Resolution:	640 x 480 (SVGA Colour)
Video Out Signal Resolution:	640 x 480 NTSC
“Cross Hair” Reticle:	Optional
Lens Type:	Germanium 50mm
FOV:	12 x 9 deg
Magnification:	2.5X
Diopters Adjustments:	±6
Detection of Human Figure:	~1000 m
Detection Range of Idling Car:	~2000 m
Polarity Control:	White Hot/Black Hot * optional colourisation
Zoom Control:	Digital 2X or 4X * total up to 8X
Gain/Level Control:	Automatic with Enhanced Image Processing
Display Brightness Control:	Manual, prevents “Night Blindness”
Powered By:	Built in Li-Ion Rechargeable Batteries
Continuous Operation Time on One Charge/Batteries Set:	Up to 8 hours, up to 1000 charge cycles
External Power:	Optional Battery Pack, 12V DC, 110-250V AC
Weight:	1100 grams without mount
Dimensions:	210 x 110 x 70mm
Tripod Mountable	Yes