



Britannia Defence Systems Limited

Designers, Manufacturers & Integrators of Specialist
Surveillance Systems and Equipment

TWS-37

Thermal Imaging Weapon Sight

Features



CNC Machined, Strong and Durable

Aluminium body

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 Weapon Sight TWS-37 enables law enforcement and military personnel to see heat signatures of objects, people, and other sources. TWS-37 detects extremely small differences in temperature, so that officers can distinguish people from their immediate surroundings. Needing no light to operate, the TWS-37 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 TWS-37. Their own body heat gives them away. The TWS-37 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 TWS-37 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 6 Hours Continuous Use)

Video Out to USB Adapter & Software



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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:	Yes
Lens Type:	Germanium 50mm
FOV:	12 x 9 deg
Magnification:	2X
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
“Elcan” Type Weapon Mount:	MIL-STD Picatinny Included