

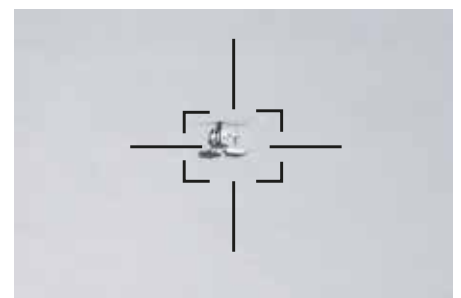
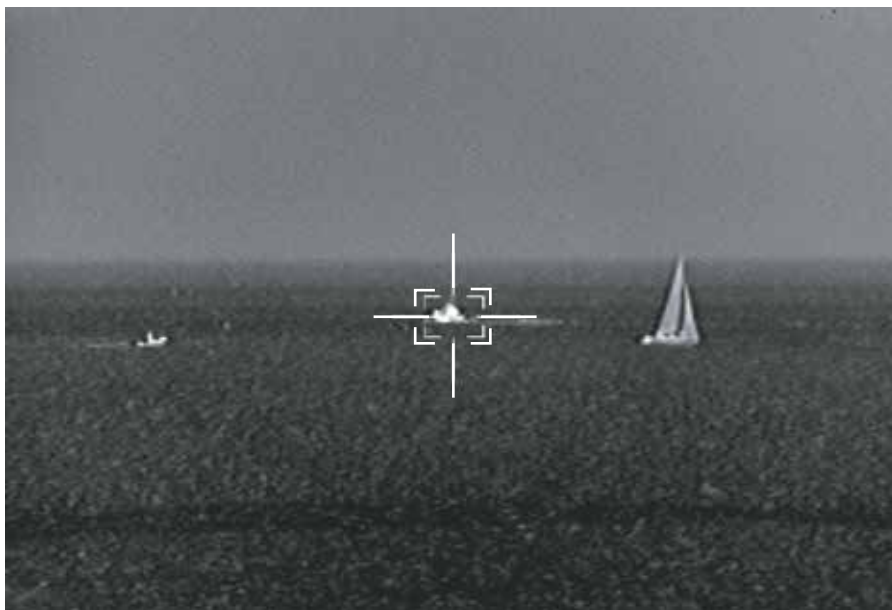


VIDEO TRACKER ^{mod.} VTU-110

advanced
image
processing



- Software based (upgradable)
- Multiple digital video inputs
- RS 232 and/or 422 interfaces
- Multiple algorithm capability
- Intelligent Breaklock and Re-acquisition algorithms
- Full HD/PAL/CCIR (60/50Hz) or NTSC/RS170 operation
- Military regulation STD-810, STD-2036a, STD-1472, STD-461, STD-108E, HDBK-454 and civilian regulation RINA-IEC-68.2.1-2-3-27



Device for automatic tracking of the targets acquired to electro-optical surveillance system (EOSS)

Functionality/Modes

> Detection

Single/multi target detection modes available

Detection Window

- Position

Movable to any FoV position

- Size

Variable from 4% to 90% of the FoV with manual or

adaptive modes (dependent upon selected algorithm)

> Target tracking single multi

Track algorithm selectable from:

- Mosse

- KCF

- Medianflow

Track Window

- Position

- Automatically controlled to follow target to any FoV position

> Boresight

Reference for the determination of the track errors. Movable for offset tracking.

> Breaklock/Coast

Automatic two stage track-loss detection and re-acquisition

> Hour meter for life time counting

Electrical Interface

> Video IN/OUT

Full HD digital SDI (TV camera)

Analog PAL (IR camera)

> Control Interfaces

- Serial Interfaces RS232 and/or RS422

- Ethernet

> Power Requirements

- Supply voltage 115/220 Vac

- Power < 150 W

Mechanical

> Size

356 x 436 x 82 mm

> Weight

7.6 Kg

> Connectors

MIL-MS-3470 series

Environmental (proven)

> Temperature

- Operating: 0°C to +50°C

- Storage: -25°C to +70°C

> RH

Dump heat +40° C 93% RH

> EMI

- MIL-STD-461E CE102

Conducted emission

10 KHz : 10 MHz

- MIL-STD-461E RE102

Radiated emission, electric field

10 KHz : 18 GHz

> Vibration

- RINA: 1.0 mm from 2 to 13.2 Hz,

0.7 g from 13.2 to 50 Hz

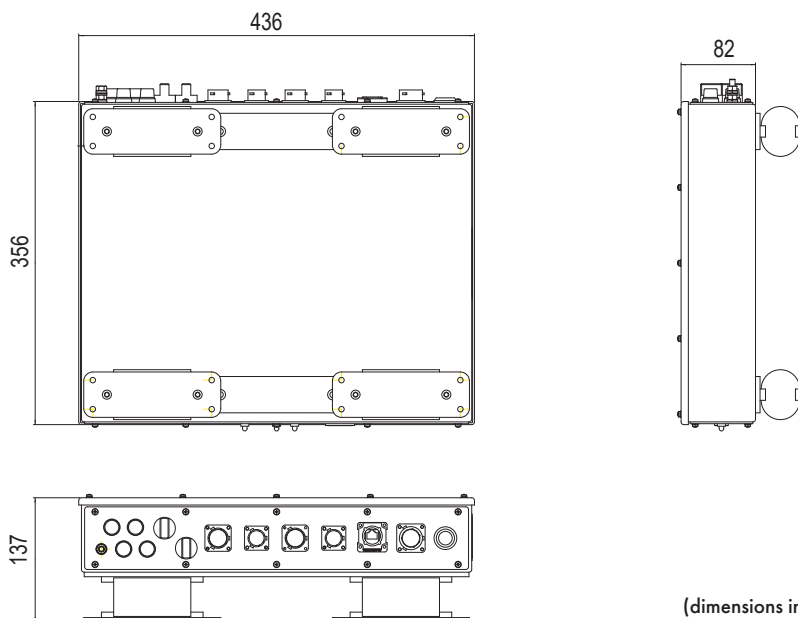
> Shock

30g 11msec. Half sinusoidal

> Waterproof

MIL-STD-108 "Dripproof 15°"

Outline drawing



(dimensions in mm)



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