

PIRATE

Eurofighter Typhoon InfraRed Search and Track (IRST)



The PIRATE (Passive InfraRed Airborne Track Equipment) is the FLIR /IRST for the Eurofighter Typhoon. It is developed by Eurofirst, an international consortium led by the company, with Thales Optronics (UK) and Tecnobit (Spain) as major partners.

PIRATE is also providing IR TV imaging to cockpit displays in accordance with the following FLIR modes:

- Flying/landing aid
- Steerable IR picture on helmet
- Identification..

MODES

PIRATE is capable of operating against several heavily cluttered scenarios in each one of the following IRST modes.

MULTIPLE TARGET TRACKING

Where engagement (detection, tracking and prioritisation) of multiple targets in A/A, look up/down operations over the whole field of regard or in a selectable volume are executable. Passive ranging data is also available.

SINGLE TARGET TRACKING

Where angle tracking of a single acquired target can be commanded. Automatic re-acquisition capability is available.

SLAVED ACQUISITION

Where line-of-sight is slaved to externally defined pointing angles and automatic acquisition of a single target is activated.





KEY FEATURES

- Automatic detection and multiple target tracking (Track While Scan –IRST mode)
- Provision of IR TV picture for cockpit displays and helmet visors (FLIR mode).

PHYSICAL CHARACTERISTICS

length:	680 mm
Width:	591 mm
Height:	300 mm
Mass:	8 Kg



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