



## **IRST (PIRATE) EUROFIGHTER TYPHOON INFRARED SEARCH AND TRACK**

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 **SELEX Galileo**, with **Thales Optronics (UK)** and **Tecnobit (Spain)** as major partners.

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 are 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.

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.

### **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 DESCRIPTION

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Length:	680 mm
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Width:	591 mm
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Height:	300 mm
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Mass:	48 Kg
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