

ELECTRONICS & DEFENSE



# PASEO XLR

EXTRA LONG-RANGE NAVAL OPTRONIC  
IDENTIFICATION & FIRE CONTROL SYSTEM

- A wide set of imagers (TV, IR, SWIR...)
- Optical zooms & spotters
- Robust & modular design

# PASEO XLR

## Extra long-range naval optronic identification & fire control system

Warships in littoral waters increasingly operate in close proximity to a variety of vessels among which potential threats may hide. From self-defense operations to ship protection at anchor, PASEO XLR electro-optical FCS provides crystal clear images of the environment, day or night, even in poor weather conditions, to ensure long-range identification & tracking.

Integrated in a Combat Management System or operated in a stand-alone mode, PASEO XLR allows manual or automatic sector surveillance, automatic target tracking, visual identification and transmission or reception of 3D target designation information. PASEO XLR is able to simultaneously control several guns of different calibers.

Specifically designed for operation in extreme naval environments, with a particular focus on modularity to facilitate maintenance, PASEO XLR comprises:

- A high-performance gyrostabilized platform providing an accurate line of sight
- A wide set of imagers (TV, IR, SWIR...) with continuous zoom and high-power telescopes (spotters)
- An eye-safe laser range finder
- A ballistic computer allowing high accuracy gun firing (option)
- A Man-Machine Interface (MMI) located in a multifunction console of the CMS (optional software on request) and/or in a local dedicated console (eg. bridge-located)

Thanks to its fully passive equipment (except for the LRF), it can operate without any electromagnetic emission (radar silence).

- Integrated EO/IR & FCS
- Designed for 24/7 operations
- Automatic sector surveillance
- Multi-target tracking
- Line-replaceable sensor boxes
- Real-time applications & image improvement algorithms



### A proven expertise

Drawing on Safran's 30-year experience in electro-optical detection and fire control, PASEO XLR capitalizes on its predecessors' proven high reliability, performance and accuracy.

Over 600 systems in the PASEO range (formerly PANDA, LYNX, NAJIR Mk1, Mk2 and 2000, VIGY 20, VIGY MM) are currently operated by 30 navies worldwide.

Safran's extensive capabilities in real-time processing algorithms and applications provide added value to the PASEO system line. It allows applications such as: multi-target tracking, integration to any digital map, panoramic view construction, simultaneous TV and IR, digital image stabilization, super resolution and other image improvement algorithms.

### Technical specifications

- 3<sup>rd</sup> generation MWIR camera with zoom & HD option
- HD TV with zoom and spotter
- Eye-safe laser range finder
- Optional SWIR spotter
- High-performance gyrostabilized platform
- High accuracy line-of-sight measurement
- Full MIL-SPEC design

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