NN 4085

NN 4000 Series

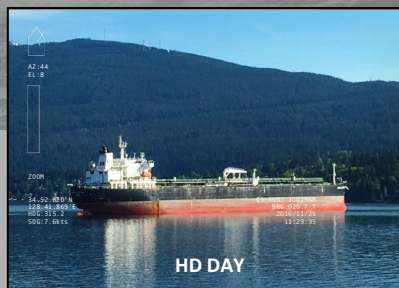### HD MWIR FOR LONGEST RANGE SECURITY

4x the resolution for longest range detection / recognition / identification of threats

HD COOLED THERMAL IMAGER

HD DAY

LOW LIGHT

Electro-Optical/Infra-Red camera system
c/w Full HD Uncooled & Day Camera

The Night Navigator™ 4085 is a rugged, low maintenance, compact electro-optical system designed for military and paramilitary end users. Mast mounted payload, this imaging system offers exceptional performances. It integrates a **High-Definition MWIR Cooled thermal imager** and a **High-Definition Day / low light camera** in a **gyro-stabilized** sensor platform. It can be controlled from the bridge of a ship or through IP network in a control room or remote location. This COTS system is built to MIL Std.

APPLICATIONS

- ISR (Intelligence, Surveillance and Reconnaissance)
- EEZ (Exclusive Economic Zone) protection
- Long-Range Surveillance
- Unmanned Surface Vessels operation
- Autonomous Vessels
- Maritime SAR
- Safety and security at anchor and in the harbour
- Tracking of potential threat or man overboard
- Situational awareness
- Anti-smuggling operations

BENEFITS

- **Rugged,** marine, **low maintenance** design
- **Zooms** 80x in HD Cooled thermal and 360x in HD day
- **Detects** a NATO target over 20km, night and day
- **Provides a clear, highly detailed image**, in HD day, even into the digital zoom range
- **Increases object detection** in low level of light with best of class low light sensitivity
- **Tracks** Radar cursor, ARPA Target, AIS and video targets
- **Streams H.264** (HD) video with PiP or two video streams and **communicates digitally** over IP network (Ethernet)
- **Outputs video in dedicated coax cable to the bridge in SDI**
- **Enables Picture in Picture (PiP)** of two live video signal outputs (zoom synchronized or independent)
- **Single payload** with no junction boxes or interface modules simplifies installations and retro fits, while reducing maintenance
- **Standard mounting and cabling** for all Night Navigator 4000 series enables ease of payload swaps and future upgrades
- **Designed to withstand marine environmental conditions** and proven by over 15 years and hundreds of successful operating installations worldwide