

**GATEKEEPER** provides the user with a 360° panoramic view for surveillance and awareness around the ship using staring IR and high resolution TV cameras. This removes the need to have crew on deck. Automatic tracking and alerting reduces the operator workload, and produces data suitable for integration with other shipboard systems. Gatekeeper deals with the short-range asymmetric threat. The staring cameras have a short minimum range and a high update rate enabling it to follow fast movements close-by.

- Removes the need for men on deck
- Situational Awareness in a busy environment
- Recording for post-action analysis and legal evidence
- Automatic detection and tracking of targets



## GATEKEEPER

### Staring Electro-Optical Ship Security System





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### REMOVES THE NEED FOR MEN ON DECK

Features, such as automatic detection and tracking, serve to further reduce operator workload.

### SITUATIONAL AWARENESS IN A BUSY ENVIRONMENT

The Panoramic display provides a continuous 360° overview of the surrounding environment. Multiple section views can be used to zoom in on objects of interest (e.g. for use during a swarm attack).

### RECORDING FOR POST-ACTION ANALYSIS AND LEGAL EVIDENCE

Following an incident the Gatekeeper recordings allow post-event analysis.

### AUTOMATIC DETECTION AND TRACKING OF AIR AND SURFACE TARGETS

Automatic tracking to follow targets over time provides prioritisation and false alarm suppression. Gatekeeper tracks provide sufficient accuracy to support short range engagements.

### MAIN FEATURES

- Automatic detection & tracking
- Section views for classification
- Electronic stabilisation
- Easy maintenance
- Passive ranging on surface targets
- Target prioritisation
- Solar glint resistance
- Aligned with ship's reference frame
- High update rate
- High resolution

Operational Performance (typical)		
	Automatic Detection (IR)	Classification (colour TV)
Swimmer	0.6 km	0.5 km
Rubber boat	2 km	2 km
Patrol Boat	7 km	7 km

Installation data				
	Mass (kg)	Width (mm)	Depth (mm)	Height (mm)
Sensor head	42	704	479	420
Cleaner Fluid Unit	40	300	600	360
Processing cabinet	425	606	811	1820

Technical Characteristics	
Uncooled IR cameras	
➤ Band	LW-IR
➤ Array format	640 x 480
➤ Field of View (H x V)	35° x 27°
Colour TV cameras	
➤ Array format	≥ 4000x3000
➤ Field of View (H x V)	35° x 27°
Sensor head	
➤ Field of view (H x V)	100° x 27°

