

ACTIVE WATCHKEEPING SUPPORT

Data handling & privacy

Aware Mate processes defined bridge video inputs onboard to derive signals relating to **alertness, attention, watch presence and system availability**. Local prompts and agreed operational reporting support the crew and the review of procedures, workload and training.

1. Processing on board

Core analysis runs on the vessel edge unit. Normal operation does not require cloud video processing or internet access.

The system does not use identity or emotion recognition. Raw bridge video is not sent ashore by default.

Camera coverage is limited to the agreed operating area and checked during commissioning.

2. Derived signals and context

Outputs can include eye-closure indicators, gaze and head orientation, presence or absence within the configured area, and technical health information.

Loss of a usable face or eye signal is distinguished from detected absence.

Attention zones and read-only navigation or alert inputs are a development focus. Any evaluation agrees the inputs and purpose in advance.

3. Reporting and data sharing

Where reporting is enabled, shore outputs are limited to agreed derived and aggregated information. Basic reports use period-level trends without crew identifiers or exact event times.

Watch schedules can still identify people indirectly. Small crews or fixed watches may require broader aggregation, masking or restricted access.

Reports support review of the watchkeeping process and are not intended for ranking individual officers.

4. Retention and access

Retention, deletion and access permissions are agreed for each deployment and checked during commissioning.

Any event-video recording, remote access or additional export requires a separately agreed purpose, scope, access and retention policy. Maintenance access and logging requirements form part of the deployment arrangements.

Crew briefing and operator responsibilities

Before activation, the operator and ELNAV.AI agree data use, recipients, retention and responsibilities. Crew are briefed on what is observed, what can be shared and how mute, pause or override works. Outputs support professional judgement and remain separate from navigation control and automated personnel decisions.

Public overview. The agreed deployment documents and onboard procedures define the applicable configuration and controls.

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