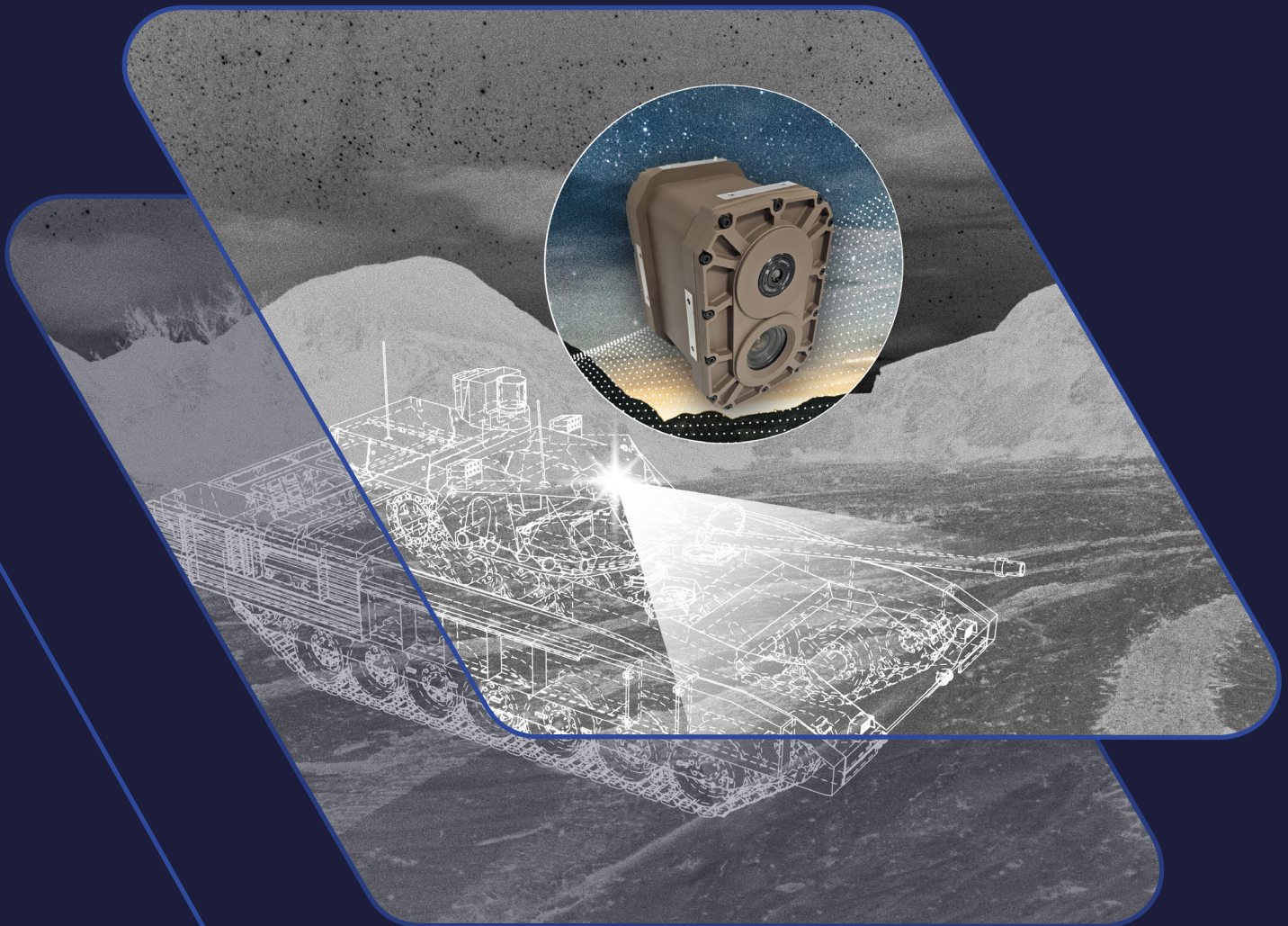


PERISIGHT HD



Situation Awareness System (SAS) for Land Vehicles

- Compact optronic modules for night and day vision enhancement, even in harsh conditions
- Modular & scalable solution
- Compliant with military standards

PERISIGHT HD

SCALABLE OPTRONIC SOLUTION

PeriSight HD is a 360° situation awareness system designed for land vehicles, based on high performance optronic modules.

Providing a panoramic view of the vehicle's surroundings, this equipment assists drivers in executing complex maneuvers, avoiding obstacles on the road, and improving the safety of the crew.

With a compact design, this embedded system can easily be integrated into any armored vehicle.

Based on a scalable architecture, this versatile solution comprises 4 to 6 optronic modules strategically placed throughout the vehicle.

The number of modules varies depending on the vehicle type and specific application, such as driver vision enhancement, perimeter surveillance and threat detection (i.e military personnel, vehicles or unmanned systems).

PeriSight HD complies with military standards, operates in constrained environments, and provides multiple viewing modes such as visible, thermal and fused, delivering both or panoramic and ROI views.

Bertin Technologies offers full integration services. Videos are displayed on a screen, that also serves as the control interface for operating **PeriSight HD**.

CORE TECHNOLOGY



THERMAL



VISIBLE

SCALABLE ARCHITECTURE

The **PeriSight HD** optronic solution is fully scalable to accommodate different vehicle types, user requirements, and budget constraints.



OPTIONAL FUNCTIONS

The **PeriSight HD** thermal camera modules can be connected to a unique computing unit that provides electronic stabilization, as well as automatic detection and tracking.

These optional, fully embedded functions enhance the operator's situational awareness, while keeping workload manageable.

TECHNICAL FEATURES

4X WFoV
(Standard configuration)

HFoV night: 105°
HFoV day: 105°
Day detection range:
2300m* / 1100m**
Night detection range:
1100m* / 600m**

* Vehicle detection
** Human detection

| | |
|-------------------------------|---|
| Sensors | Visible: Pyxalis HDPYX 230-G Thermal: Lynred ATTO 640-D2 |
| Dimensions | 21 x 14 x 16cm |
| Weight | < 4kg |
| Video output | Up to 25Hz (Low latency) HD-SDI and/or GigE vision |
| Input voltage | 7-28V DC |
| Communication | Ethernet |
| Military standards | MIL-STD-810-G STANAG 4370 IP68 |
| Operating temperatures | From -40°C to +50°C |