



PERISIGHT ZOOM



Long range optronic camera module

- Ruggedized optronic module for vehicles & sites surveillance
- High performance thermal & color Low Light sensors
- Operational under extreme weather & driving conditions
- 24/7 enhanced vision with a recognition range up to 5km



PERISIGHT® ZOOM

Night & Day Vision Enhancer for vehicles and sensitive sites

The PeriSight® Zoom is a **long-range ruggedized optronic module** especially designed for target Detection, Recognition & Identification.

Dedicated to integrators for land and maritime applications, this compact camera system incorporates the latest optronic vision technologies. It combines an **uncooled thermal imaging camera** ideal for better night vision and a **visible color low light camera** (up to Night 3) for increased sensitivity.

The PeriSight® Zoom **enhances viewing capabilities** thanks to its optical day and night channels and its continuous optical zoom. It can be mounted on a **Pan & Tilt turret** to stabilize and orient the image field. The optional **laser range finder module** gives the precise distance of the target.

The PeriSight® Zoom can be used alone, or in network with other modules from the existing PeriSight® range. **Fully digital**, the PeriSight® enables additional key features such as shared user video stream, electronic stabilization, automatic detection and target tracking.

Developed to meet customers requirements, the PeriSight® Zoom is **compatible with any kind of vehicle**.

A fully integrated solution:

1- IMAGING SENSORS

The PeriSight® Zoom offers two vision modes:



COLOUR LOW LIGHT

A state-of-the-art visible color Low Light imaging sensor provides a first image even in extreme low light conditions (~3 mlx) without additional illumination.

POWERED BY **PHOTONIS**



THERMAL

A high-resolution uncooled thermal sensor provides recognition and identification in any night conditions.

2- VEHICLE POSITIONING EXPERTISE

Bertin Instruments provides expertise in positioning the PeriSight® Zoom according to the user's needs and its vehicle type.

RUGGEDIZED BY **OPTSYS**

3 - DATA PROCESSING SOLUTION

As an option, the PeriSight® Zoom can be connected to a proprietary calculator (VigiSight® 65) ensuring electronic stabilization, automatic detection and tracking.



4 - INTEGRATION SERVICES

Bertin Instruments provides full integration services for the PeriSight® system. Videos are displayed on a screen, which is also used to command and control the PeriSight®.



Technical features

Technical features		LWIR channel	Color Low Light channel
HFOV		Bifocal 14.3° 4.6°	X10 optical zoom 42.7° to 4.6°
RECOGNITION RANGE	Vehicle* Person**	2270m 830m	5110m 2300m
IDENTIFICATION RANGE	Vehicle* Person**	1240m 260m	3280m 840m
SENSORS		UC 8-12µm 640x480@17µm	CMOS Low Light Color 1280x1024p
DIMENSIONS		420x260x340mm	
WEIGHT		14kg	
VIDEO OUTPUT		50HZ HD	
OPERATING T°		0°C to +55°C	-40°C to +70°C
* 2,3M X 2,3M VEHICLE ** 0,7M X 0,7M PERSON			

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Night & day 360°
Land Situational
Awareness System



Digital Compact Core
Camera



Night & Day Vision
Enhancer

