

HI-SENSITIVITY THERMAL CAMERA

Features

- Fully sealed waterproof
- Easy WiFi connectivity
- Lightweight and compact design
- Rugged and small camera
- Superior image quality
- Several image enhancement algorithms.



iLince

ABOUT iLince

iLince is a compact & discrete marine thermal camera

The iLince is designed to be used for various marine applications like SAR (Search and Rescue), law enforcement, tender, work boats.

The camera can provide **equally clear, high resolution video** in total darkness, as well as in bright sunlight.

The **system works instantly** upon being powered up and needs no calibration or special setup.

The **images that are generated can be seen on a LCD display**, as well as on Ipad or Android device

The intuitive control PAD can be integrated in the bridge. The **color palette function provides a choice of color schemes**—on the camera and in software, that helps quickly distinguish thermal variations and patterns in an image.

The color tones correspond to the apparent surface temperatures of the target.

The key is to select the palette that best shows the thermal differences for your specific application.

Some applications can be analyzed more effectively in a monochromatic palette such as grayscale or amber.

Applications where you are dealing with smaller differences in temperature are easier to see and analyze by showing an image in a rich color palette such as ironbow, blue-red, or a high contrast palette.



Black & White

Iron

Rainbow



Human Body Detect

Anti Rain

Benefits :

- Fully sealed waterproof
- Easy wireless connectivity
- Lightweight and compact design
- Rugged and small camera
- Superior image quality
- Several image enhancement algorithms.

This results in a superior image quality under all weather and light conditions monochromatic palette such as grayscale or amber.

Main Applications:

Pleasure craft navigation:

Navigation on reduced visibility and in the dark – Simplified entry to the Harbours – Man overboard (MOB) search and track operations – Collision avoiding – Keeping track of waves

iLince makes navigation during darkness and reduced visibility significantly safer.

You will have the opportunity to navigate in conditions which have been previously inappropriate for your journey.

iLince helps to solve safer and faster MOB (man overboard) situations, also in darkness and in poor visibility.

In addition, the system provides good support for entry to the harbour when you are forced to do it in the dark or in reduced visibility.

SAR Operations:

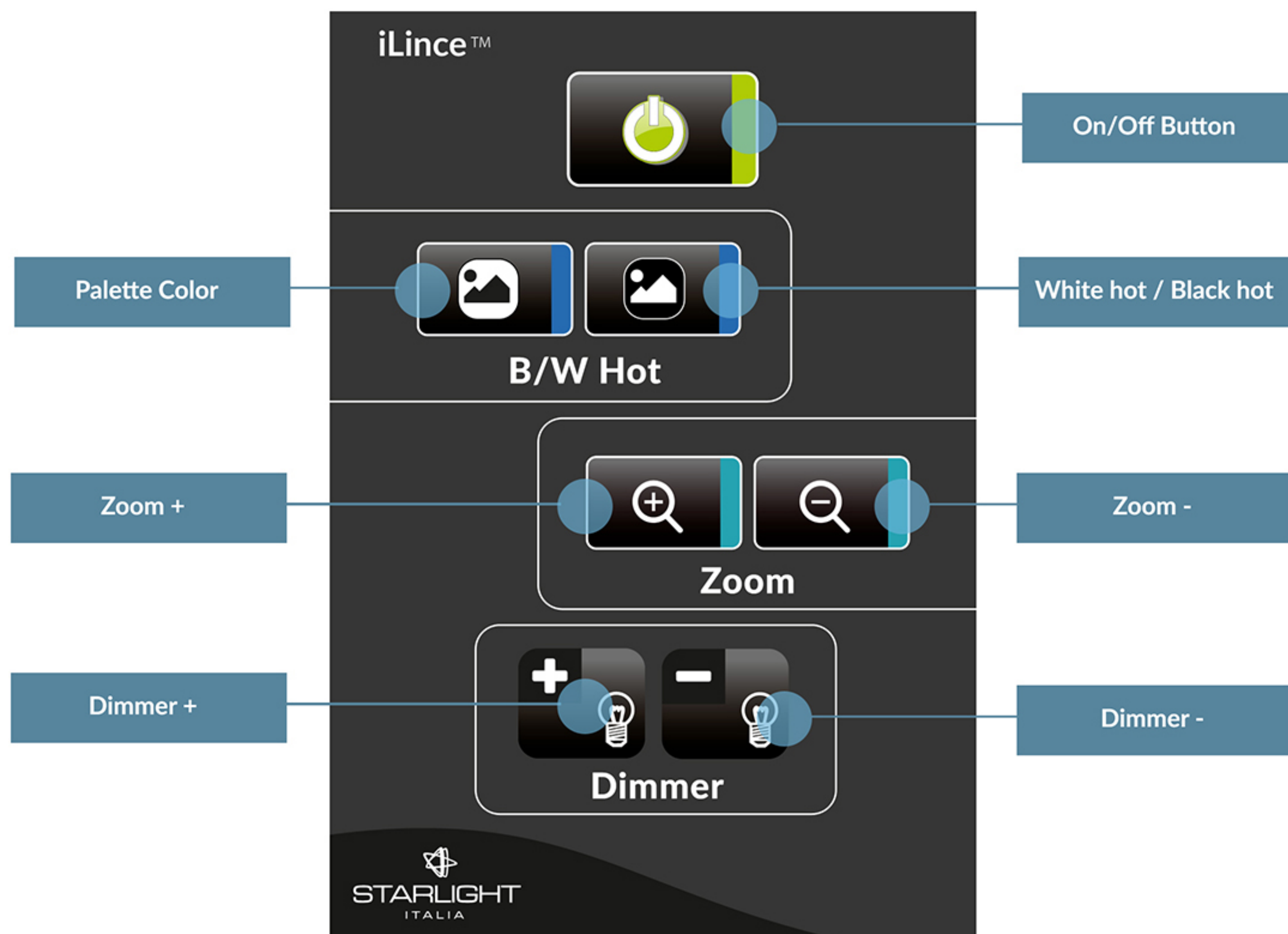
Quick and easy search for anomalies even on rough sea conditions – Safe and exact navigation during the SAR operation – iLince creates new opportunities for SAR operations and makes them more safe and effective. Thanks to the high-resolution live video feed provided by the camera system, SAR boats captain can see even through smoke and fog and there are no limits for sea conditions – camera provides clear image even on a rough sea.

Law Enforcement

Identification of the vessels at limited visibility Detecting illegal traffic on sea, pollution monitoring Detecting unexposed boats Blind pilotage assistance SAR operations



iLince Keyboard



Flush mount IP67 controller Precision and accuracy in your hand

The iLince pad controller is IP67 designed for flush mounting and allows smooth and accurate control of device for zooming function as well as color palette choice.

Buttons are backlit and are fully dimmable.

The pad Controller can be used as a stand-alone device and can control multiple iLince cameras

iLince Sensors

iLince Thermal Camera

Features

| | |
|---------------------------------------|---|
| FIELD OF VIEW / CAMPO VISIVO | HorizFov=25°. VertFov=19°. (@ wide zoom) |
| SENSOR / TIPO SENSORE | Silicon CMOS Uncooled Chip |
| RESOLUTION / RISOLUZIONE | 720x576 - 414720 pixel -17µm pitch. |
| NETD / SENSIBILITA' TERMICA | NETD < 40 mk @ Whole Band |
| SPECTRAL RANGE / INTERVALLO SPETTRALE | Longwave Broadband >7µm |
| FOCAL LENGTH / LUNGHEZZA FOCAL | 25 mm |
| SPECIAL VISION PALETTE | Anti-rain |
| | Anti-fog |
| | 4 Human body recontion mode |
| DIGITAL NOISE REDUCTION | STARLIGHTTM SSNR III |
| LENS TYPE | Atermalized Diamond Surface Coating |
| ZOOM | Continuous ultra digital up to 4X |
| FRAME TECHNOLOGY | Shutterless Technology |
| FRAME RATE | Full frame thermal refresh rate 100 Hz |
| DETECTION RANGE | 3,4 Km - RIB @ 25mm Focal Length |
| HUMAN TARGET | 1Km @ 25mm |
| | 1,4Km @ 35mm |
| VIDEO OUTPUT | 1 Vpp Composite Signal - PAL Video Streaming MPEG - H264/ Wifi |
| POWER SUPPLY VOLTAGE | 12/24 V |
| POWER CONSUMPTION | 3 Watt |
| WEIGHT | 0,9 kg |
| EXTERNAL UNIT DIMENSIONS | 137 x 70 x 70 mm |
| PANEL CONTROL DIMENSIONS | 80 x 60 x 120 |
| TEMPERATURE RANGE | -30° ÷ +60° |
| PROTECTION | IP67 |
| MATERIAL | Anticorodal Aluminum Alloy |
| SUFACE TREATMENT | 25µ Anodizing - Black (Optiona Different Color) |



Starlight Italia is a provider of marine security, marine safety and marine solutions to world wide customers. Since 2005 Starlight Italia was one of the first company in the world, to complete certification product from IMO, (MED) with the very stringent requirements for night vision installations on High Speed Craft ferries. During our history we have installed more than 100 night vision systems around the world.

Starlight Italia NVS help customers with their critical needs in:

- Detection of vessels, obstacles, people and other objects
- Decision and action through warnings or triggering pre-defined action after detection in darkness of threat or possible collision

Solutions Starlight Italia NVS ultra-low light cameras, image intensifiers and thermal sensors to enhance surveillance and detection capability

Starlight Italia products are designed to operate continuously for long periods in hard marine conditions.

Starlight Italia's products can satisfied all clients requirements and specifications providing a wide scale of product configuration and price.





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