

**NIGHT VISION
CERTIFIED TO
THE IMO HSC
CODE
& WHEELMARK**

Features

- Light Weight
- Free Maintenance
- IMO HSC Code & Wheel Mark Certified
- Self Cleaning Window
- Operator Interface Unit



ZERO
MAINTENANCE

FEATURES

Night Vision Cameras are normally used to complement radar and target tracking but can also detect small targets that the radar might miss in rough seas. This could give a vessel early threat awareness and small vessel detection in hostile waters and could be particularly valuable for vessels that operate in waters where there are small craft such as fishing vessels when the visibility is low.

Starlight Italia produces a dedicated night vision camera system that is designed for high speed craft and which meets the requirements of the High Speed Code.

SX 1200 PREDATOR is Wheel Mark IMO HSC certified and actually installed on several High Speed Craft. Main benefits are easy installation, years warranty, H24 service, all spare parts always a stock, Made in Italy, Wheel mark approved, Free maintenance.

SX 1200 PREDATOR is manufactured from top notch material to ensure a high strength to weight ratio.

The **SX joysticks** are designed to provide an easy control to enable smooth and easy tracking or monitoring.

SX 1200 camera is specifically designed for use in the marine environment.

All enclosures are dry nitrogen purged and desiccant charged to prevent the corrosive cycle or condensation.

SX 1200 is fully sealed and immersion tested to IP68 standards.

It is compliant with the following rules:

1. IMO Res.A.694(17).
2. IMO Res.A.36(63)-(1994-HSC-Code)13
3. IMO Res.MSC.94(72)
4. IMO Res.MSC.97(73)- (2000HSC-code)13
5. Wheel mark and comply with (MED)96/98/EC
6. International standard night vision equipment for high speed craft.



ULTRA LOW LIGHT CAMERA



NIGHT VISION MODE

GRID CONTROL
up/down memory

FUNCTION
BUTTON

JOYSTICK

SCREENSHOT

DIMMER

POWER BUTTON

RESET AHEAD BUTTON

CHECK BUTTON
FAILURE ALARM

SUNBEAM
LOCKLIGHT



STARLIGHT

SX 1200 FEATURES

LIGHT INTENSIFIER CAMERA

FIELD OF VIEW	HorizFov=40°. VertFov=40°
SENSOR	SuperGen. II+ Intesifier Electron Tube
IMAGE INTENSIFIER PROTECTION	Auto gating, light level auto shutdown with auto day camera commutation
RESOLUTION	>60 plmm
SENSITIVITY	0,000001 Lux
WINDOW TYPE	Anti-reflective lens & self cleaning Bioclean™ glass Certified EN 1096-5

ULTRA LOW LIGHT CAMERA

FIELD OF VIEW	HorizFov=40°. VertFov=40°
SENSOR	SuperChip II SSNR III Starlight
RESOLUTION	1000 lines TV
WINDOW TYPE	Anti-reflective lens & self cleaning Bioclean™ glass Certified EN 1096-5

MOTION

PAN TILT RANGE	360° PAN Continuous; +/- 90° TILT
PAN/TILT SPEED	Min 30°/ s

OUTPUT

VIDEO OUTPUT	PAL Video Composite Signal 75 ohm 1Vp-p
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HUMAN DEVICE INTERFACE

DISPLAY	Certified IEC 62288:2014 17" TFT Monitor with OSD
JOYSTICK	Integrated into ergonomic control panel

POWER SUPPLY

VOLTAGE	12-24 Vdc
CONSUMPTION	15W MAX

MATERIAL

IP GRADE	IP 68
EXT. ENCLOSURE MATERIAL	Carbon Fiber, AISI 316 Stainless Steel

OTHERS

DIMENSION	190(w) x 190 (d) x 300 (h) - External Unit
OPERATIONAL TEMPERATURE	-25° +70°C
WEIGHT	6,1 kg - External Unit

FEATURES

HorizFov=40°. VertFov=40°
SuperGen. II+ Intesifier Electron Tube
Auto gating, light level auto shutdown with auto day camera commutation
>60 plmm
0,000001 Lux
Anti-reflective lens & self cleaning Bioclean™ glass Certified EN 1096-5

HorizFov=40°. VertFov=40°
SuperChip II SSNR III Starlight
1000 lines TV
Anti-reflective lens & self cleaning Bioclean™ glass Certified EN 1096-5

360° PAN Continuous; +/- 90° TILT
Min 30°/ s

PAL Video Composite Signal 75 ohm 1Vp-p

Certified IEC 62288:2014 17" TFT Monitor with OSD
Integrated into ergonomic control panel

12-24 Vdc
15W MAX

IP 68
Carbon Fiber, AISI 316 Stainless Steel

FEATURES

190(w) x 190 (d) x 300 (h) - External Unit
-25° +70°C
6,1 kg - External Unit





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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