

## Mini-Lynx gated monocular Hand-held gated laser camera



### Features of Mini-Lynx hand-held gated monocular

- Different operation modes: passive, active laser illumination and active gated mode for absolutely best performance
- Two eyes monocular with operation in total darkness with active IR laser illumination
- Penetrates through inclement weather and light textiles such as only gated systems can offer
- Maximum range of 500 meters with gated operation from 40 meters and up. Negative and positive target viewing
- The perfect viewer for marine applications and SAR (search and rescue) to allow better visibility in conditions of inclement weather

Mini-Lynx is a hand-held binocular ?monocular? style gated system for visibility under extreme conditions. The gated operation permits far better performance in inclement weather allowing visibility through particles in the air. For marine applications it does also have the capability of making a water surface almost invisible so all objects in the water appear white with a good contrast.

In gated mode it is possible to set the range window where to see and to eliminate all other areas from view. This is adjustable from 40 meters to 1000 meters. Adjustable is the visible band and where it is positioned. The settings permits one visibility of 3-5 times compared to any ordinary camera system.

In active mode the lasers are like a continuous illumination and gives support for the intensifier. This is less efficient in inclement weather as there are many reflexes from particles in the air. In passive mode it operates similarly to a passive Generation 2 intensifier of good quality.

*Many of our products are protected by patents and patent applications*

# Mini-Lynx gated monocular

## Hand-held gated laser camera

### Technical Specifications of Mini-Lynx gated monocular system

Operating modes Passive where the system operates as an image intensified monocular viewer

Active where it operates as an image intensifier supported by a laser illumination lamp

Gated where we can set distance where to start to see and where to stop to see.

- Image intensifier: Gen. 2 intensifier with 25 mm cathode
- Image amplification: 35,000 times
- Resolution of intensifier: 44 lines per mm over 25 mm diameter
- Color: Green phosphorous
- Image: Round image all over the screen
- Spectral response: From Blue/Green to about 870 nm in near IR
- Field of view: 7,5 degree / about 15 meter at 100 meter in distance
- Optical thread: M42x0,5 Pentax thread
- Viewer: ?Two eye monocular prism with one intensifier tube
- Laser Wavelength: 810 -870 nm in the near IR spectra
- Laser power: 400 mW measured at CW average method
- Laser peak power: 500 W over 60 nano seconds in pulsed mode measurement
- Laser safety class: Class 3B at less 2 meter in distance, Class 1 at longer range
- Visibility of laser: Laser is slightly visible to the eye when viewed direct into the laser source at up to 300-500 meter in distance.
- Gated range: 40 meter to 1000 meter
- Practical range: 40-500 meter for dark targets
- Practical distance: 40-1000 meter for white targets
- Practical distance: 40-1200 meter for reflexes and life vests
- Distance resolution: 1-2 meter for zone distance and depth
- Settings: Distance to illuminated zone
- Depth of illuminated zone
- Ambient temperature: From - 20 -+ 50 degree C
- Encapsulation: IP 54 level (splash proof) Aluminium housing, black painted
- Weight: 2,6 kg
- Dimension: 370x220x110 mm
- Battery: Video batteries for 15 minutes operation
- Adapter: for 24 volt Operation (1 A)
- Life time: Expectancy 2000 h. for lasers & intensifiers in continuous operation
- Warranty: 12 months or 2000 hours whichever comes first

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