

VERSATILE 24/7 IMAGING

NYX 3 MR is a versatile target acquisition and observation sensor for medium range in day and night time use.



NYX 3-MR

Built in partnership with Night Vision Lasers Spain

The Multifunction medium range observation LRF system has a digital, high resolution NOCTURN day/night sensor, a high resolution uncooled thermal imager, 3,5 km laser range finder, digital magnetic compass and GPS (optional). Lightweight and compact NVLS NYX 3-MR is suitable for forward observation squads, infantry, border security and special units with varying levels of training.

The main distinctive factors of this system are:

- 4-16x High resolution thermal imager
- 8-48x Digital day/night channel
- 3,5 km Laser range finder
- Digital magnetic compass
- GPS
- Wireless connection (optional)
- Thermal/visible still image and video capture
- External control & display



TECHNOLOGY	
Low Light Sensor	Lynx CMOS
Format	HD (picture and video mode)
Light Sensitivity	Approx. Quarter Moon
Spectral Range	500-1080 nm
Frame rate	Up to 60 Hz. With full field resolution
Thermal Sensor	Uncooled
Format	640 x 480 17 µm
Wavelength range	8-12 µm
OPTICAL PERFORMANCE	
Field of view	Thermal: 6.20 x 3.80 (Electronic zoom x2, x4) Low Light: 60
Focal length	100mm
Magnification	4x-16x
Digital zoom	2x-6x
Recording	Thermal: Digital Low Light: Video/Snapshots on external DVR
LASER RANGE FINDER	
Capability	From 5m to 3500m standard NATO target
Accuracy	< 1,5m
Laser diode wavelength	1550nm
Output power	< 2,4W
Laser safety	Laser Class 1 per IEC 60825-1
Target marker	Visible red and IR 980nm
DIMENSIONS	
Length	<240 mm
Width	250 mm
Height	148 mm
Weight	< 3,2 kg
ENVIRONMENT	
Connectivity	PAL/NTSC video to external screen or DVR
GPS	Yes
Housing	Light alloy metal
Submersion	IP-67
Use temperature	-300C to +550C
Storage temperature	-400C to +600C
Optional	External high power "stealth"IR beamer