

Observation

NEW

VIRTUOSE

Ultra-Lightweight Multifunction
Monocular





UNIQUE THERMAL & DIRECT LIGHT PASS COMBINATION.

The best technologies brought together in a new ultra-compact device dedicated to observation, for land, air and naval forces wishing to optimize OODA loops.

HIGH DEFINITION THERMAL IMAGING + DIRECT LIGHT PATH

Thermal imaging sensor with NETD <30mK allowing perfect detail recognition of the slightest temperature differences, even in harsh weather conditions or with a low thermal contrast.

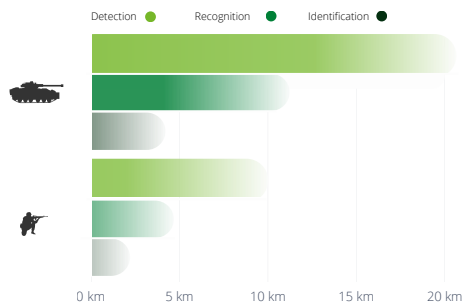
Unique Direct Light Path technology. Fixed optical magnification x7 with high light transmission allowing day observation of your environment, even without batteries.



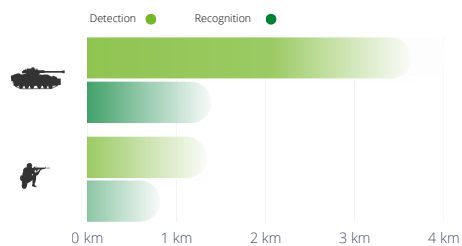
LONG DRI RANGE

A powerful long-distance objective lens combined with a 640x480@17µm highly-sensitive thermal imaging sensor providing exceptional DRI capabilities.

DIRECT LIGHT PATH PERFORMANCE RANGE:



THERMAL PERFORMANCE RANGE:



6 h LOW POWER CONSUMPTION

Virtuose is powered by two rechargeable batteries guaranteeing up to 6 hours of usage (depending on missions).

FITTED FOR DIGITAL BATTLEFIELD

Virtuose is ready for battle management integration (SIC-S, ATAK and AFS compatible). Cursor On Target standard, other interface on demand.



LONG DISTANCE LASER RANGEFINDER

Understanding the target distance is a crucial element to make the right choice: a built-in LRF with a range up to 4.5 km (depending on versions) will allow you to measure distances in a single computation and continuous scanning modes with an accuracy of <1m (depending on target size and distance).

HIGH RESISTANCE & ERGONOMIC DESIGN

Weather resistant (IP67). Qualified for a military use. Compact size and outstanding performances in terms of robustness and ergonomics.

BUILT-IN PHOTO & VIDEO RECORDER

The internal memory of Virtuose can store hours of video and thousands of photos on an extractible micro SD-Card.

LIVE STREAMING VIDEO

High quality for video streaming to an external device (Android/Ios). Recording capacity at the same time. 📶

TARGET LIVE POSITIONNING

Ultra fast geolocalization positioning. TLE 4.

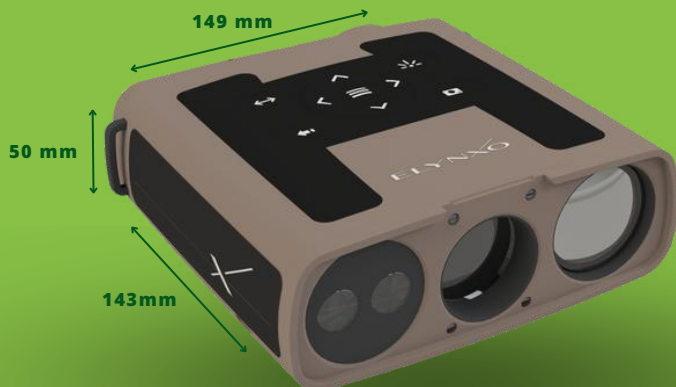
LASER POINTER (OPTIONAL)

Two possibilities :

- Visible laser
 - Infrared pointer (compatible NVG)
- Eye safe. Long Range.

AND MORE...

- USB-C port: charging and data managing
- Military range of operating temperature (-40°C/+55°C)
- Tripod adaptator
- High ergonomics and convenient controls
- Wifi / Bluetooth connectivity
- Thermal mode features a 5-color palette for an enhanced viewing in varying conditions



SPECIFICATIONS

IR Sensor	Uncooled microbolometer, 17µm, 640x480
Internal Display	OLED 1280 x 1024, up to 60 fps
Light transmission (Direct Light Path)	>85%
Diopter range	-36 / +26
Magnification	Direct Light Path : x7 IR (Digital) : x1.7, x4, x7, x10, x14
Horizontal field of view	Direct Light Path : 5° IR : 15°
Geolocalisation accuracy	<90m at 1000m
Laser Rangefinder (Safety class 1 - Eye Safe)	1500nm wavelength From 0 to 4500m
Environmental characteristics	Certifications Full MIL-SPEC : MIL-STD-810G / MIL-STD-461F