

EDRP635R Thermal Imaging Riflescope with LRF

640 x 512 uncooled thermal riflescope - 35 mm F1.0, 1000 m laser rangefinder, 1800 m detection

The EDRP635R is a 640 x 512 uncooled thermal imaging riflescope built around a 35 mm F1.0 objective lens. It combines a 50 Hz thermal channel with a 1000 m eye-safe laser rangefinder and a 0.39-inch OLED display, giving one device for detection, recognition and range estimation out to 1800 m.

The body is sealed to IP67 and rated to 1000 g shock, and the scope runs for up to 6 hours on a single 18650 cell. Photo and video capture, Wi-Fi streaming and a Type-C interface are built in for field documentation and after-action review.

KEY FEATURES

- 640 x 512 VOx detector, 12 um pixel pitch, NETD <= 20 mK
- 35 mm F1.0 objective - 12.5 deg x 10 deg field of view
- 1000 m laser rangefinder with +/- 1 m accuracy
- Detection range up to 1800 m on a 1.8 m x 0.5 m target
- IP67 sealed, 1000 g shock rating, 516 g body

TECHNICAL SPECIFICATIONS

Detector type	VOx uncooled, 8 - 14 um
Resolution	640 x 512
Pixel pitch	12 um
NETD	<= 20 mK @ 25 C, F#1.0, 25 Hz
Frame rate	50 Hz
Objective lens	35 mm / F1.0
Field of view (H x V)	12.5 deg x 10 deg (+/- 0.3 deg)
Magnification	1.8x - 7.2x
Eye relief	48 mm
Dioptr adjustment	-5 to +5
Detection range	up to 1800 m
Display	0.39 inch OLED, 1024 x 768
Laser rangefinder	1000 m, accuracy +/- 1 m
Wi-Fi	Built-in
Interface	Type-C
Recording	Photo / video
Storage capacity	32 GB
Battery	1 x 18650 (field replaceable)
Continuous operating time	up to 6 hours
Operating temperature	-20 C to +50 C
Shock resistance	1000 g
Protection rating	IP67
Weight	516 g
Dimensions	205 x 77 x 71 mm

TYPICAL APPLICATIONS

Night hunting and wildlife management, law enforcement and border observation, precision long-range shooting with range-assisted holdover, OEM/ODM integration into weapon sight programmes.