



EOS-GRS225-225RF Thermal Scope

Long-range thermal scope with a range of 1,300 m, featuring a built-in laser rangefinder and video recording, with wireless connectivity, for hunting both day and night

The super-resolution function delivers clear, enhanced imaging results

The continuous zoom provides more precise focusing and a clearer viewing experience

User-friendly human-machine interaction with silicone buttons and an intuitive user interface.

The rangefinder function supports algorithmic telemetry and infrared distance measurement

Advanced intelligent computing system enhancing measurement accuracy

1440x1080 OLED display

Motion-activated recording and support for Wi-Fi applications

1x to 8x optical zoom

IP67 protection suitable for harsh environments

50 Hz imaging refresh rate

256x192 thermal sensor

Long-range detection up to 1,300 m

Up to 8 hours battery life with an 18650 battery and Wi-Fi disabled

Specification

Sensor : 256×192 @ 12μm

Lens : 25 mm

Magnification (x) : 1X–8X

Frame rate (Hz): 50 Hz

Display resolution (pixels): 1440x1080

Video and audio recording, images and RAV: Supported

Protection rating (IP code): IP67

Built-in battery: 18650 lithium battery – 7 hours.

External battery: CR123 lithium battery – 2 hours



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256 x 192 Resolution · 25mm Lens



50Hz
REFRESH RATE



7 Color
IMAGE



OLED
1440x1080



REC
VIDEO / IMAGE

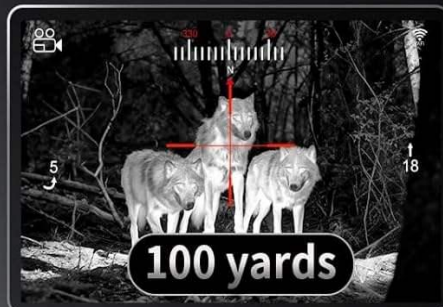


Rangefinding
Ballistic Assistance



IP67
Weatherproof

DETECTION DISTANCE



• RECOGNIZE DISTANCE:	280m / 306 yd	1119m / 1224 yd	
DETECTION DISTANCE:			
• RECOGNIZE DISTANCE:	210 / 230yd	839 m / 918yd	
DETECTION DISTANCE:			
• RECOGNIZE DISTANCE:	145 / 160yd	1300 m / 1420yd	
DETECTION DISTANCE:			



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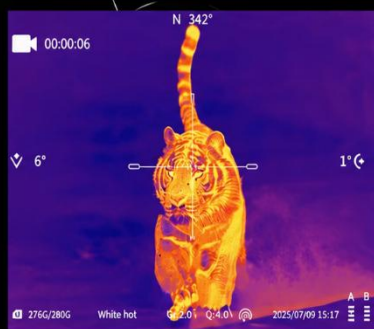
RAV & SMART CONNECTIVITY

The GRS225RF features 32GB of built-in storage for easy photo and video capture. With Recoil Activated Video (RAV), recording automatically begins upon firing detection — ensuring you never miss a critical moment. Combined with Wi-Fi and App connectivity, users can view, manage, and share footage instantly, whether in the field or reviewing post-mission data.

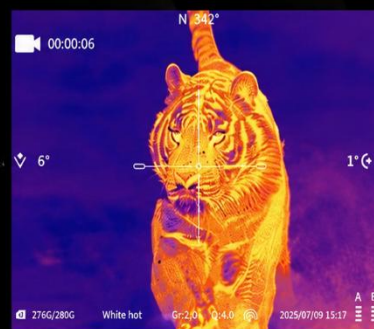


PRECISION LASER RANGEFINDER

Integrated with a 905nm IR laser, the GRS225RF provides accurate distance measurement up to 1000 meters with $\pm 1\text{m}$ accuracy. Perfect for long-range targeting, it ensures more confident shots in hunting.



500m



1000m

EASY TO USE

The GRS225RF features an ergonomic button layout and simplified menu structure, allowing fast access to all functions without the need for advanced training — ideal for both beginners and experienced users.





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7H BATTERY LIFE

With up to 7 hours of continuous use on a single charge, the GRS225RF supports uninterrupted performance throughout the night. Ideal for long patrols, hunting trips



ONE SHOT ZEROING

The One Shot Zeroing function allows for quick and accurate alignment between thermal imaging and day/night vision modes. Simply take one shot using day/night vision, then easily switch to thermal imaging and adjust the reticle to the same point of impact (POI). Save your time and let you focus on your hunt.



CRYSTAL-CLEAR OLED DISPLAY

A built-in 1440×1080 OLED screen delivers vibrant, high-contrast visuals with fine detail. Whether scanning or aiming, the high-resolution display offers an immersive and accurate viewing experience in all lighting conditions.





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2.5-10X MAGNIFICATION

The 25mm germanium lens offers 2.5× optical magnification with 1–4X digital zoom, delivering a perfect balance between field of view and target detail. Suitable for medium- to long-range observation.



RUGGED AND LIGHTWEIGHT DESIGN

The compact and streamlined design of the Little Conch makes it lightweight and easy to carry and install for extended periods, while also withstanding up to 800g/0.4ms recoil for enhanced durability.

- 1 Power Button
- 2 Photo Button
- 3 Pseudo Color Button
- 4 Knob
- 5 Objective Focusing Wheel
- 6 Diopter Adjustment
- 7 External Battery Compartment
- 8 Charging Port
- 9 Lens Cap
- 10 Eyepiece Cover
- 11 Charging Cable
- 12 Rings





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POWER & COMPATIBILITIES

Battery Type Build-in Battery External Battery	18650 Lithium Battery CR123 Lithium Battery
Battery Capacities Build-in Battery External Battery	3.7V,3700mAh 3.7V,450mAh
Operating Time	7-9Hours (7H-18650,2H-CR123)
Charging Specifications	5V/2A
Tube for rings	2

OPTICAL

Objective Lens	25mm
Eye Relief	65mm
Optical Zoom	3.5X
Digital Zoom	1X-8X
Field of View (FOV)	7.0° × 5.3°
Diopter Adjustment	-5 to +5 Diopters
Focus Range	5m to Infinity
Detection Range	1300m(1.8X0.5m)
Rangefinder	Only GRS225RF-905nm infrared,1000m±5m

PHYSICAL

Net Weight (Built-in Battery) GRS225 GRS225RF	≤730g ≤760g
Dimensions (without eyepiece) GRS225 GRS225RF	288*81*75mm 288*85*75mm
Max. Recoil	800 g/0.4ms
IP Level	IP67
Operating Temperature	-30°C to 50°C (-22°F to 122°F)
Storage Temperature	-40°C to +60°C (-104°F to 140°F)
SD Card	32GB
Materials	Aluminum-Magnesium Alloy
Warranty	1 Years

INFRARED

Detector Type	Vanadium Oxide Uncooled Focal Plane Array
Resolution	256*192
Die Size	12μm
Frame Rate	50Hz
NETD, mK	<35mK @ 25°C, F/1.0

FUNCTION

Picture In Picture	Yes
Video	Yes
Photo	Yes
Reticles	Yes
Pseudo Color Modes	White Hot/Black Hot/Red Hot/Iron
Defective Pixel Correction	Yes
RAV & Wi-Fi	Yes
Bluetooth	Only GRS225RF-Yes
Hot Track	Yes
FFC	Yes
Scene Mode	Yes
Shot Activated Recording	Yes
Thermal One-Shot Zero	Yes
OSD	Yes
Intelligent Ballistic Calculation	Only GRS225RF-Yes

DISPLAY

Type	OLED
Dimensions	0.49 Inches
Resolution	1440*1080