YUBEEN

GX55L

THERMAL IMAGING RIFLESCOPE

SEE FURTHER.
REVEAL MORE.



PRODUCT OVERVIEW

ENGINEERED FOR CLEARER DECISIONS IN THE FIELD

The YUBEEN GX55L is a high-performance thermal imaging riflescope that combines clear thermal imaging, precise ranging, and a dependable field-ready design. Built for real-world use, it delivers the confidence and clarity needed when it matters most.

GX55L



THERMAL IMAGING
Clear detail in total darkness.

LASER RANGING
Accurate distance measurement.

FIELD-READY DESIGN
Rugged, reliable, and built to perform.

CORE PERFORMANCE

640 × 512

12 µm Thermal Sensor

High-resolution imaging delivers clearer detail.

NETD

< 20 mK

High Thermal Sensitivity

Detects subtle temperature differences for clearer images.



1000 m

LASER RANGEFINDER

Accurate distance measurement for greater confidence.



AI IMAGE ENHANCEMENT

Delivers clearer detail and improved target recognition.

* Concept visuals for illustration only.

CONTROL ARCHITECTURE

INTUITIVE BY DESIGN.

A thoughtfully arranged control layout for practical and reliable field operation.



01 Multifunction Control Dial

02 Video & PIP Button

Short Press: Enable Picture-in-Picture (PIP).
Long Press: Start video recording.

03 Power Button

Short Press: Enter standby mode.
Long Press (1.5 s): Power on/off.

07 Focus Adjustment Knob

Rotate to adjust focus for a clear image.

04 Battery Compartment

Provides access to the battery.

05 Rangefinding & Calibration Button

Short Press: Activate laser rangefinding.

Long Press: Manual Shutter Calibration (FFC)

06 Laser Rangefinder Module

Integrated hardware for laser distance measurement.

01 / MULTIFUNCTION CONTROL DIAL

Viewing Mode

Rotate — Adjust magnification
Short Press — Switch color palettes
Long Press — Open menu

Menu Mode

Rotate — Navigate options
Short Press — Confirm selection
Long Press — Exit menu

INTEGRATED SYSTEM

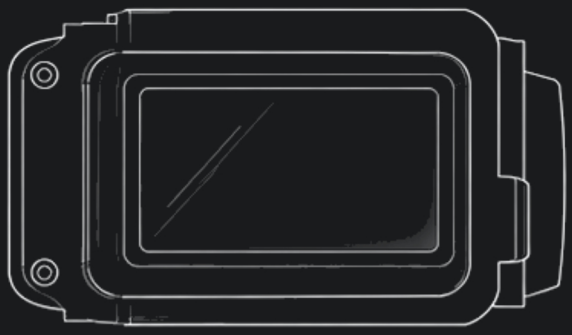
MORE THAN THE IMAGE.

Display, power and storage — integrated into one system.

01 / DISPLAY SYSTEM

0.49" OLED
1920 × 1080

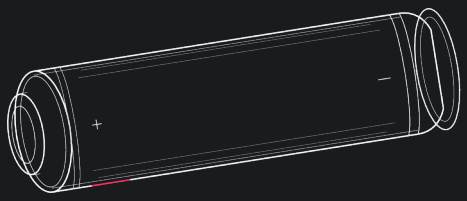
High-resolution microdisplay.



02 / POWER SYSTEM

18650
≥ 4 HOURS*

Removable battery.



*At 25°C with hotspot disabled.

03 / STORAGE

64 GB

Internal eMMC storage.





PHYSICAL PROFILE

FORM MEETS FUNCTION.

Compact dimensions. Built for demanding field conditions.

01 / OVERALL DIMENSIONS



02 / FRONT VIEW



03 / WEIGHT

635 g

Excluding battery.

04 / PROTECTION

IP67

Dust-tight and protected against temporary water immersion under specified test conditions.

05 / TEMPERATURE

-30°C to +55°C

Operating temperature range.

TECHNICAL DATA

GX55L SPECIFICATIONS.

Thermal Imaging Riflescope

01 / THERMAL SENSOR

Detector Technology	VOx uncooled infrared detector
Resolution	640 × 512
Pixel Pitch	12 µm
NETD	< 20 mK (at 25°C, F1.0)
Frame Rate	50 Hz
Spectral Range	8– 14 µm

02 / OPTICAL SYSTEM

Objective Lens	50 mm
F-number	F1.0
Focus Range	5 m – ∞
Eye Relief	40 mm

03 / DISPLAY & IMAGING

Display Type	0.49" AMOLED
Display Resolution	1920 × 1080
Magnification	2.7× – 21.6×
Digital Zoom	1×– 8×
Color Palettes	White Hot / Black Hot / Red Hot / Fusion
Picture-in-Picture	Yes
Reticle	Multiple reticle patterns and colors
Uniformity Correction	Yes

04 / LASER RANGEFINDER

Laser Wavelength	905 nm
Safety Class	Class 1
Measuring Range	3– 1,000 m
Measurement Accuracy	±1 m
Laser Beam Divergence (Beam Size)	3.8 × 2 mrad

05 / POWER & STORAGE

Battery Type	Replaceable 18650 lithium-ion battery
Runtime	≥ 4 hours (at 25°C, Hotspot Disabled)
Internal Storage	64 GB eMMC
External Power	USB Type-C (DC 5 V / 2 A) External power only. Battery charging not supported.
Video / Photo	Yes
File Format	MP4 / JPG
Wi-Fi	Yes (App connection)

06 / PHYSICAL & ENVIRONMENT

Overall Dimensions	195 × 75 × 69 mm
Weight	635 g (excluding battery)
Ingress Protection	IP67
Operating Temperature	-30°C to +55°C
Recoil Resistance	1,200 g / 0.4 ms
Housing Material	Magnesium–aluminium alloy

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PRODUCT INFORMATION & DISTRIBUTION ENQUIRIES

www.yubeen.com