

4.5x50mm Infrared Night Vision Rifle Scope

This 4.5x50mm infrared night vision rifle scope is designed for hunting and camping. It features a high-resolution sensor and a powerful infrared illuminator for clear images in low-light conditions.



Overview

Professional Night Vision Performance

The PQ1-4550 is a high-performance infrared night vision rifle scope featuring a 4.5x optical zoom and 50mm objective lens for superior clarity. Designed for professional hunting and camping applications, it provides a visible range of up to 500m in dim light and 300m in total darkness using its powerful external infrared illumination. This durable scope integrates advanced DSP image processing and an electronic reticle to ensure precision in the most challenging nighttime environments.

Optical Performance

Magnification & Optics

4.5 x

Optical Zoom

5 x

Digital Zoom

50 mm

Objective Lens

Night Vision Capabilities

Observation Range

Lighting Condition	Visible Distance
Dim Light (Natural Starlight)	2.5m - 500m
Total Darkness (With IR)	2.5m - 300m

Infrared System

Infrared Specifications

- Wavelength: 940nm / 850nm
- Infrared Power: 1W
- Adjustment: Detachable IR light with manual adjustment
- Spectrum Range: 400-1100nm

Display & Imaging

Image Processing

- Specialized Camera DSP
- Electronic reticle with multiple line-division types
- Automatic White Balance
- Automatic Day/Night Switch

Display Resolution	750 x 560
Screen Type	0.383LCD

Technical Specifications

Dynamic Range	68 dB
Minimum Illumination	0.001 Lux

Environmental & Power

Operating Temperature	-20 to 70
Operating Voltage	3.5V - 4.2V

Compliance

Certifications

FCC • CE • RoHS