

# 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
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Screen Type	0.383LCD
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## Technical Specifications

Dynamic Range	68 dB
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Minimum Illumination	0.001 Lux
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## Environmental & Power

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

### Certifications

FCC • CE • RoHS