



IRX3 - Infrared Viewing Device

SKU / Spec Number: eIRX

DESCRIPTION

IRX3 is a compact, hand-held **infrared viewer** for 400–1700 nm alignment and inspection tasks, using a first-generation image converter to render a high-contrast visible image at the eyepiece. Interchangeable **C-mount lenses**—1x (F1.3/8 mm, ~38° FOV) and 2x (F1.4/16 mm, ~19° FOV)—provide **30 lp/mm center resolution** with close-focus down to 0.1 m (1x) or 0.5 m (2x, ~0.15 m with macro). Power is via **two field-replaceable 18650 Li-ion cells** for **~11 h continuous operation**, and a **1/4-20 tripod thread** supports hands-free setups. For beam-spot visualization at 1 m, typical thresholds are **~0.1 µW/cm² @ 1060 nm** and **~500 µW/cm² @ 1300 nm** (view on a diffuse card or metallic surface; “mid-air” viewing requires scatter). Standard kits include **batteries/charger, case, and OD1/OD2 ND filters**.

- **Spectral coverage:** Single-band viewer for 400–1700 nm alignment and inspection.
- **Imaging performance:** 30 lp/mm center resolution; 1x 8 mm (~38° FOV) or 2x 16 mm (~19° FOV); close-focus capability for near-work.
- **Power & field use:** 2x 18650 user-swappable cells, ~11 h continuous operation; 1/4-20 mount; kit includes OD1/OD2 ND filters plus charger/case.

All IRX3 Model Purchases Include:

- IR Viewer
- 1X Objective Lens **OR** 2X Objective Lens
- Batteries w/Charger
- Hard Case
- ND Filter (OD1) – 10-30% Transmission
- ND Filter (OD2) – 5-15% Transmission

Keywords: infrared viewer, **400–1700 nm IR viewer**, 1064 nm viewer, 1550 nm viewer, C-mount IR optics, laser alignment viewer, handheld IR viewer, **18650-powered IR viewer**.

SPECIFICATIONS

Spectral Response	400 - 1700 nm	Battery Type	2x 18650 Li-ion
Magnification	1X, 2X	Dimensions	153 mm x 175 mm x 51 mm
System Resolution	30 lp/mm	Operating Temperature Range	-10°C - 40°C

Product Page: <https://www.powertechnology.com/our-products/irx3-infrared-viewing-device/>

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