



## 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 **¼-20 tripod thread** supports hands-free setups. For beam-spot visualization at 1 m, typical thresholds are **~0.1  $\mu\text{W}/\text{cm}^2$  @ 1060 nm** and **~500  $\mu\text{W}/\text{cm}^2$  @ 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; **¼-20** 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

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