

SI-OT3



Optical Trigger Unit

Rugged Design

Battery Powered

Shadow and IR Flash Detector

High / Low pass filtering



The Specialised Imaging OT3 provides a reliable optical trigger for either projectile "shadow" detection or IR flash detection

Battery powered, with a rugged enclosure allow the OT3 to be used outside in all weathers and independent of mains power.

Battery unit includes mains charger and can power the OT3 for up to 8 hours.

FEATURES

- ☐ Small and lightweight
- ☐ Battery powered for up to 8 hours
- ☐ Nikon lens mount fitting
- ☐ User adjustable sensitivity

OPTICAL

Lenses	Nikon F-Mount
Alignment	Optical viewport

INTENSIFIER / SENSOR

Sensor	Multi-Segment Photodiode array. 300nm – 700nm range (Non-intensified)
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INPUT / OUTPUT SIGNALS

Output	Positive 5V TTL (BNC socket connector) 50Ω termination
Trigger indicator	LED
Software	Custom software compatible with Microsoft Windows Operating Systems for Control and data archiving.
Electrical Power	DC: 18-34V DC Battery powered: Sealed lead acid Built in battery charger

MECHANICAL

Dimension mm (w/d/h)	Sensor head (without lens) 9cm x 17cm x 9cm (3.5" x 6.7" x 3.5") Battery 15cm x 9.5cm x 17cm (6" x 3.7" x 6.7")
Weights	Sensor head 1Kg (2.2lbs) Battery 4Kg (8.8lbs)
Sensor head mounting	1/4 -20 UNC UNC Tripod Female in base & top

ENVIRONMENTAL

Storage temperature	-10°C to +50°C
Operating temperature	-5°C to +40°C
Humidity	10—90% RH non condensing
Vibration shock	10—40 Hz Max. 10g in any direction
EMC	Meets all EC harmonised standards

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As part of our on-going commitment to improvement we reserve the right to alter specifications, designs or figures, without prior notice. All dimensions and weights are approximate.

