

Innovative Industrial Solutions



I.I.S.

ExplorerSCOPE



A Revolution in Industrial Inspection

This 9mm diameter videoscope allows inspectors to make a complete visual assessment inside tanks, large vessels, vaults, voids and other confined spaces through openings as small as 10mm in diameter. The semi-rigid flex and stay guide tube can maintain a horizontal position or span a gap when inserted into a void space. Designed for maximum portability, the ExplorerScope is battery powered and combines a powerful internal laser light source coupled with electronically-enhanced low-light video processing hardware along with a high res video monocular. It can generate images of objects that are 40 feet away– in pitch darkness– without the need for any other components!

ExplorerSCOPE is supplied with hard carry case, two rechargeable lithium batteries, battery charger, battery cradle for disposable CR-123 battery and rigid guide tube. It is compatible with an optional Zistos 5.6" LCD to allow additional viewers.

Innovative Industrial Solutions, Inc.

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9mm (.36") diameter semi-rigid flex-and-stay guide tube that keeps it's shape.

Four-way remote articulating tip with low-light sensitive black & white CCD camera. See up to 12+ meters (40') in low-light situations.

- Lightweight and highly portable for rapid deployment in first assessment situations.
- Meter (39") and half-meter (20") lengths available.
- Fits in spaces as small as 10mm (.40") in diameter.

Articulating tip controllers

Self-powered, rechargeable, internal lithium ion battery. Quick glance battery indicator, (even when powered off).

Electronically-processed black and white image enhancement technology for superior quality. Monocular eyepiece that features a hi-res 640x480 OLED video screen.



Optional plug-in monitor. (Shown)
Optional plug-in DVR. (Not Shown)
Internal transmitter option available



With its integrated high-resolution OLED monocular, the ExplorerSCOPE lets users view images without additional display hardware. A larger LCD monitor can be plugged into the scope so several people can view the image simultaneously. The internal, rechargeable lithium ion battery provides all needed power, which can be determined at a glance, even when the power is off! The 12+ meter (40 feet) range of vision makes the ExplorerSCOPE ideal for visually inspecting areas that are too confined or dangerous for a person to physically enter. It is also available in a more typical flexible body configuration; video recording and wireless video options are available as well.

Features

Submersible guide tube and tip

Guide Tube Size

- Semi-rigid diameter, 9mm (.36")
- Semi-rigid lengths: .5m (20"), 1M (39")
- Flexible lengths: 1M (39"), 1.5M (59"), 2M (79"), 3M (118")

Internal Light Source

Diffused red laser

Battery Life

- 2 hours with illumination on
- 6 hours with illumination off
- Can be powered by disposable CR123 batteries using supplied adapter

Monocular Resolution: 640 x 480

Operating Temperature: -10°C (14°F) to 50°C (122°F)



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