

RVO - Remote Viewing Optic

ISTEC: 6974

Description

The Remote Viewing Optic (RVO) is a system designed to allow for remote viewing of in-service sighting and surveillance systems.

RVO can be attached to the rear of most day and night optical sights and allows the user the view through the sight normally via the existing eyepiece whilst also providing an electronic picture viewable on a remote display. The remote display can also be connected directly to most Thermal Imaging sights via the sights digital output signal port. The display can be either a helmet mounted or larger relaxed view display.

The camera attachment comprises a beamsplitter prism and high resolution camera which provides an image that can be viewed on a remote monitor for use as a relaxed viewer. Operationally, the RVO allows the operator to view through the sighting or surveillance system for longer without eyestrain; adopt an undercover or behind armour position when necessary; relay sighting or surveillance images directly to a vehicle commander or command post; record for after action reviews (with optional data recorder fitted). In the training environment, it allows trainers to view an operator's sight picture; and provide for post training reviews (with optional data recorder fitted).

Interfaces are currently available for the following in service sighting and surveillance equipment: SUSAT, ELCANs' Spectre family, Trijicons' ACOG family, Qioptiq's Kite and Maxikite family, Qioptiq's VIPIR family, DRS's Thermal Weapon Sight family and Nikon's 20 x 120 Surveillance Binoculars. Other Interfaces are available on request.

RVO can also be provided with a recording system or connected to a wireless system to allow the sight image to be transmitted to a receiver for remote monitoring or recording.

Key Features

- Hardened Mil Spec Remote Viewing Screen (screen size 185x115mm)
- Rechargeable lithium or conventional AA power source
- System weight (screen, beam splitter, camera and cable) approx 1000g (dependent upon sight variant)
- Suitable for vehicle or ground roles
- Relaxed viewer or helmet mounted options
- High resolution light weight camera
- Multiple sight attachments
- Tailored to User requirements
- Optional Data Recorder

