

# DRAGON-S12

## Uncooled Thermal Imager In-line Thermal Weapon Sight

**DRAGON-S12** is the new In-line Thermal Sight, part of the latest development in thermal imaging technology from Excelitas. Providing snipers with 24hr surveillance and target engagement capability.

**DRAGON-S12** utilizes a state of the art 640x480 format 12µm, 60Hz uncooled thermal sensor coupled with a near silent shutter, delivering class leading sensitivity and uniformity.

**DRAGON-S12** is part of the DRAGON family of uncooled thermal products from Excelitas that utilizes the latest in uncooled thermal camera, electronics and optical technologies to deliver world leading performance and reliability.

**DRAGON-S12** attaches to Picatinny and NATO accessory rails in front of the day sight via a quick release throw lever, providing 24hr capability without the need to remove or re-zero the day sight.

**DRAGON-S12** thermal sight is designed specifically to meet target and surveillance requirements for military customers and law enforcement agencies providing high performance within a lightweight compact and rugged military qualified design.

**DRAGON-S12** delivers a capability to detect, recognise and identify man and vehicle targets 24hours a day, in poor visibility, in total darkness and through battlefield obscurants.



# DRAGON-S12

## Uncooled Thermal Imager

## In-line Thermal Weapon Sight

### Main features

#### Thermal Imager:

**Sensor:** 640x480, 12µm, 60 Hz VOx (Near silent shutter)

**Horizontal Field Of View:** 5.3°

**Focus Range:** 25m to ∞

Diamond Like Carbon (DLC) Anti-Reflection optical coating

**Display Type:** OLED, full color, 1280 x 1024

**Magnification:** x1

#### Controls and Functionality:

Modes: Off / TI / Edge, Color, Menu

Functionality: Brightness, Polarity, NUC, Digital Zoom

#### I/O Port:

RS232 Comms, External Power, Video Out, USB2

**Power:** 3 x 1.5v AA Cells

Polarity Protection

>7hrs continuous operation

**Nominal dimensions:** 191mm (L) x 88mm (W) x 103mm (H)

**Weight:** 850g - Excludes:

Lens cap, light security shroud, 3 x AA Lithium Cells

**Finish:** Various paint options available

### Environmental

#### DEF Stan 00-35 Part 3 (Environmental)

Temperature (Operating)

Temperature (Storage)

Thermal Shock

Solar Radiation

Shock – Drop Test (Sight Alone, Field Pouch and Logistical)

Shock – Vibration (Fixed Wing Propeller, Rotary Wing, Tracked and Wheeled Vehicle)

Low Air Pressure and Transportation

Chemical and Biological (Resistance and Decontamination)

Dust and Sand (Wind Blown)

Water Immersion (20m)

Driving Rain

Mist, Fog and Low Cloud

Salt Atmosphere

Mould Growth

#### DEF Stan 08-41 Part 1/1 (Chemical and Biological)

Chemical and Biological Hardening

Decontamination – In Service decontaminants

#### DEF Stan 59-411 Part 3 (Electro-Magnetic Effects)

Electro Magnetic Compatibility –

Emissions and Susceptibility



### Package

#### Standard:

DRAGON-S12 Weapon Sight

Lens Cap and Light Secure Shroud

Transportation Case and Field Pouch

Operators Manual

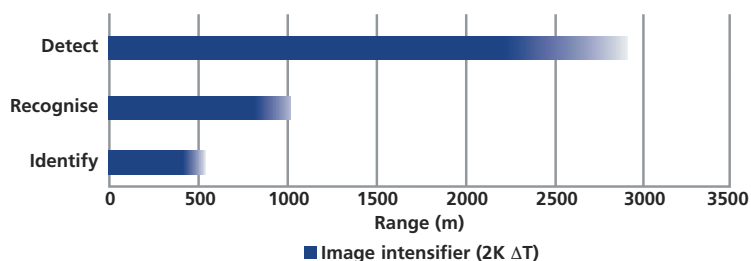
Lens Cleaning Kit

#### Options:

Multi-Function Remote Control

### Range Performance

1.8 x 0.5 target, 50% probability, x4 magnification



#### For technical information contact:

Qioptiq Limited  
sales@uk.qioptiq.com  
phone +44 (0)1745 588000  
www.qioptiq.com