

**argus™**  
LITE **4**



## The Argus4 LITE comes with the following features

Tri-Mode Sensitivity for increased temperature range performance  
Colour battery level indicator and User replaceable external fittings.  
Plus the following standard accessories:

Soft carry bag  
Side straps  
One rechargeable battery  
AC or DC battery charger  
Operating instructions  
Optional Features

The Argus4 LITE can be supplied with the same advanced features available on the standard Argus4. These features include:

Dynamic Scene Colorisation. (DSC) Colorises the thermal image to allow the firefighter to pinpoint the hottest areas within the fire scene and is set up by the use of a supplied remote control.

Direct Temperature Measurement (DTM) Displays both the temperature of objects within a defined area of the thermal scene and also the ambient temperature of the environment using a sensor mounted on the front of the camera.

The above features can be supplied with the camera at time of purchase or added as an after sales upgrade.

Warranty

The camera is supplied with a 2-year warranty as standard.

Warranty can be extended for up to three years at time of purchase.

Configuration

Camera Order Code

ArgusTM4Lite P7030/LT

Optional Accessories Order Code

Station Battery Charger P7030BC and P7030CS

Truck Battery Charger P7030TBC

Truck Storage Mount P7030TSM

Truck Storage Mount and

Battery Charger P7030TSMBC  
Rechargeable Battery Pack P7030R  
Handle P7030HA  
Neck Strap P7030NS  
Retractable Lanyard P7030RL  
Hard Carry Case P7030HC  
Camera Specification  
Compliance Data  
RFI/EMC Conducted  
Emissions - BS EN 61000-6-3:2001 Class B FCC CFR-47 Part 15  
Radiated Emissions - BS EN 61000-6-3:2001 Class B FCC CFR-47 Part 15  
Electrostatic Discharge - BS EN 61000-6-1:2001 Class B  
Safety IEC 60950-1 and related national standards Vibration/Shock BS EN 60721-3-2 Class 2M3.

Restriction of the use of Hazardous Substances in electrical and electronic equipment (RoHS)

All parts of the system are compliant with EU directive 2002/95/EC

#### Environmental Data

Thermal conditions - The camera has been designed to operate for:

45 minutes at 80 °C (176 °F)

15 minutes at 150 °C (300 °F)

7 minutes at 260 °C (500 °F)

Minimum operating temperature is -10 °C (14 °F)

Sealing - The camera is sealed to allow short-term immersion in water (IP67)

Impact - The camera has been designed to withstand a drop from a height of 2 metres (78 inches).

Vibration - The camera has been design to withstand transportation vibration defined by BS EN 60721-3-2 Class 2M3.

Storage - The camera can be stored for extended periods. It is recommended that for maximum effective operational life, the storage temperature is kept between -10 °C and +40 °C (14 °F and 104 °F) and the camera is retained in its carry case when not in use.

#### Optical Data

##### Detector

Sensor type - Uncooled Microbolometer

Sensor material - Amorphous Silicon (ASi)

Resolution - 160 x 120

Spectral response - 7 – 14 µm

MDTD - (Minimum Discernable Temp Difference) < 0.1 °C

Dynamic range - -40 °C to 800 °C (-40 °F to 1480 °F) using 3 ranges with auto-switching between ranges.

Refresh rate - 30 Hz

Spot temperature range - -40 °C to 800 °C (-40 °F to 1480 °F)

Ambient temperature range - -15 °C to 150 °C (5 °F to 300 °F)

## Lens

Lens material - Germanium

Focal length - 6 mm

Focal distance - 1 m to infinity, optimised at 4 m (3 feet to infinity, optimised at 13 feet)

Horizontal aperture - f/1.0

Field of view - 50° horizontal

## Viewing

Display type - Transflective, active matrix colour TFT

Display size - 90 mm (3.5 inches)

Backlight - White LED

## Mechanical Data

Overall dimensions (H x W x D) - 130 mm x 185 mm x 185 mm (5.1 x 7.2 x 7.2 inch)  
(nominal)

Weight without battery - < 1.2 kg (2.6 pounds)

with battery - < 1.5 kg (3.3 pounds)

## Materials

Outer camera case - Radel®R-5100

Rear bumper - Multiflex®

Front bumper - Multiflex®

Neck strap - Nomex®

Side straps - Nomex®

## Electrical Data

### Power Supply

Power consumption - 3 W typical

Start-up time - <5 seconds

### Battery

Type - Ni-MH Rechargeable Battery Capacity - 2300 mAH

Battery life - 4 hours @ ambient temperature (22 °C, 72 °F)

Charge time - 2 hours nominal

Recharge cycles - 500 @ 80% capacity

Length - 125 mm (4.8 inches) nominal

Width - 55 mm (2.2 inches) nominal

Height - 50 mm (2 inches) nominal

Net weight - 220 g (0.1 pounds) nominal

Charging temperature - 0 °C – 40 °C (32 °F – 104 °F) 65 °C (150 °F) can be tolerated

Sealing - IP56