

argus[®]

thermal imaging from e2v



Argus[®] 4: Transmitter and Battery Pack

Introduction

The Argus[®]4 Transmitter and Battery Pack has been designed to allow the transmission of the thermal image from the camera for remote viewing outside of a fire incident.

The Argus[®]4 Transmitter and Battery Pack is conveniently and easily fitted to the Argus[®]4 camera in place of the normal battery pack. This allows the system to be transferred between cameras.

The internal Ni-MH rechargeable batteries provide power to the transmitter and the camera and gives approximately 3 hours operation. The batteries can be fast charged using the mains charger supplied with the camera or the truck mount charger.

The transmitter is powered on or off by holding down the zoom button on the camera. A transmitting symbol will appear on the camera display to notify the transmitter is in use.

The Transmitter and Battery Pack is a sealed unit and will survive the same harsh environments that the camera can withstand.

To view the transmitted thermal image, a Remote Receiver Station (P7030RRS) or Receiver Kit (P7030RKT) is required; these products are available separately.

The transmitter operates at 2.4 GHz using digital transmission via Wi-Fi.

Performance

- Operating Frequency: 2.4 GHz
- Range: 350m (1150 feet) line of sight.
Performance in buildings is dependant upon construction.
- Output Power: 100mW EIRP max
- Transmission Content: 320 x 240 pixel colour camera image at 10 frames per second.
- Transmission Standard: IEEE802.11b
Data rate approximately 600 kbps
MPEG-4 video stream
rtsp protocol accessed on port 554

Physical Data

- Material: Radel[®] UL-V0 and Lexan[®]
- Dimensions: with antenna 189 x 126 x 69mm
(H x W x D) (7.5 x 5.0 x 2.7 inch)
without antenna 59 x 126 x 69mm
(H x W x D) (2.3 x 5.0 x 2.7 inch)
- Weight: 380g (14 oz) nominal
- Sealing: IP56

Environmental Data

- Operating Temperature - -10°C to +85°C (14°F to 185°F)
- Storage - -10°C to +40°C (14°F to 104°F)

Electrical Data

- Battery Type: Nickel-metal hydride (Ni-MH)
- Battery Life: >2 hours at ambient temperature (22°C, 72°F)
- Battery Capacity: 2100 mAh
- Charge time: 2 hours nominal

Compliance

- EMC: EN 301 489-1 V1.4.1 (2002-08) and EN 301 489-17 1.2.1 (2002-08) - Radiated Immunity to 10 V/m
FCC CFR47 Part 15, Subpart B (15.109)
RSS-Gen Issue 1:2005
CISPR 22 (Ref: AUS/NZ 4251.1 for Radiated Emissions)
VCCI: 2001
- Radio Type Approval: ETSI EN 300 328 V1.6.1 (2004-11)
FCC CFR47 Part 15, Subpart C (15.247)
RSS-210 Issue 6:2005
AS/NZS 4771:2000
ARIB STD-T66 V1.0: Dec 1999
- Safety: IEC 60950-1 and related national standards
- Vibration/ Shock: EN 60721-3-2 Class 2M3 (transportation)
- RoHS: All parts of the system are RoHS compliant as per EU directive 2011/65/EC

Order Code

- P7030TX

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