

DTX1400 Features

- Digital modulation and compression techniques
- Superior performance in non-line of sight and highly multi-path applications.
- Digital video picture quality, noise free regardless of distance
- Line of sight range up to 1km, depending on radio environment
- Frequency band: L-Band
- Output power 200mW e.i.r.p max
- Narrow bandwidth 2.5 MHz (1.25 MHz option available)
- MPEG2 compression for high quality image
- 32-bit ABS encryption
- Optional AES128/256 bit encryption for secure applications (subject to license)
- NiMH battery technology gives approx. 75 minutes operation.

Warranty

The Argus®4 LRT Transmitter and Remote Receiver Station are supplied with a one-year warranty.

DRRS1400 Features

- Self-contained in a rugged, waterproof, hard carry case
- Intergrated dual antennae and tuners providing two way diversity MRC which eliminate fade and multi-path
- High brightness 8.4" colour TFT display
- · High capacity internal Lithium Ion Battery
- · Battery status indicator
- Analogue video out for recording and external displays
- Comprehesive On Screen Display (OSD) diagnostics for link analysis, including spectrum analyzer
- Optional internal AES128/256 decryption (subject to licence)

Product Order Codes

- DTX1400 Argus®4 LRT Transmitter
- DRRS1400 Argus®4 LRT Remote Receiver Station
- ARGUSDRX BC AC Charger
- ARGUSDRX BC DC Charger

www.argusdirect.com



Argus[®]4 LRT (Long Range Telemetry System)

Technical Specification

Compliance

EMC EN 301 489-28 V1.2.1 (2002-09)
Radio Type Approval ETSI EN 300 440-2 (2008-05)

Safety IEC 60950-1 and related national standards

RoHS All parts of the system are RoHS compliant as per EU directive

2011/65/EC

Environmental

Transmitter

Operational 45 minutes at 80°C (176°F)
Temperature range 15 minutes at 150°C (300°F)

5 minutes at 260°C (500°F)

Minimum Operating -10°C (140°F)

Temperature range

Sealing IP67

Impact The camera, when fitted to a transmitter, is designed to

withstand a drop of 2 metres (78 inches). The transmiter may suffer damage when a direct impact is made on the transmitter

Vibration/Shock EN 60721 - 3 - 2 Class 2M3 (transportation)

Storage Temp Range -10°C to +40°C (14°F to 104°F)

Receiver

Operational -10°C to +50°C (14°F to 122°F)

Temperature range

Sealing IP40

Vibration/Shock EN 60721 - 3 - 2 Class 2M3 (transportation)

Storage -10°C to +50°C (14°F to 122°F)

Temperatuer Range

Performace

Operating Frequency L-band 1.2 to 1.4 GHz

Range Up to 1km (3280 ft) line of sight

Perfomance in buildings is dependant upon construction

Output Power 200mW e.r.i.p max

Transmit mode Bandwidth 2.5 MHz (1.25 MHz option)

Modulation:QPSK FEC: 2 / 3

Tuning Steps 1 MHz
Video Encoding NTSC via MPEG2

Mechanical

Transmitter

Overal Dimensions $(H \times W \times D)$ 59 x 126 x 69mm (2.3 x 5.0 x 2.7 inch)

(11,4,45)

Antenna Height 150mm (6.0 inch)

Materials Radel® R-5100)

Weight 420g (1lb 1 oz)

Receiver

Display 8.4 inch Transflective Colour TFT

Receiver dimensions 275 x 175 x 70mm (10.8 x 6.8 x 2.8 inch)

Weight of Receiver 1.95kg (4.3 lbs)

Overal Dimensions 170 x 420 x 320 (H x W x D) (6.7 x 16.5 x 12.5 inch)

Overall Weight 5.5 kg (12 lbs)



Battery

Receiver

Type Lithium Ion Rechargeable Battery

Capacity 5200 mAh

Battery Life >3.5 hours at ambient temperature (22°C, 72°F)

Charge Time 2.5 hours nominal non operational

Charging Temperature 0°C to 40°C (32°F to 104°F)

Transmitter

Type Ni-MH Rechargeable Battery

Capacity 2100 mAh

Battery Life >75 minutes at ambient temperature (22°C, 72°F)
Charge Time 2 hours nominal using Argus® camera charger

Recharge Cycles 500 @ 80% capacity

Charging Temperature 0°C to 40°C (32°F to 104°F)