

External Power and Video Adaptor



The Argus4 External Power and Video Adaptor (EPVA) allows an Argus4 camera to be powered from an outside source and for the video to be viewed over a wired network connection.

The EPVA can be powered from a wide DC input source and is supplied with a vehicle accessory plug.

The EPVA replaces the Argus4 integral battery pack on the top of the camera. The camera on/off button is no longer required as the camera will turn on automatically when power is applied to the EPVA.

The camera will display a start-up screen until a usable thermal image is produced. The video output is enabled either by using the transmit button function on the camera or by using the customer software.

The P7030EPVA is constructed from durable materials with high resistance to heat, water and impact and is sealed to IP54. No end-user maintenance is required other than external cleaning with a soft cloth.

FEATURES

- 10 V – 32 V input voltage. Automatic camera switch-on.
- Standard or industrial Ethernet connectivity.
- Crossover wired for simple direct connection to computer.
- Remote viewing potential over network. Vehicle accessory plug power input.
- Compatible with both router and direct connection.

APPLICATIONS

- Argus4 camera in a fixed location, such as a training centre.
- Locating a camera on aerial platforms.
- Demonstration and training.

WARRANTY AND SUPPORT

The P7030EPVA is supplied with a 12-month warranty as standard.

Note: The P7030EPVA is not certified for automotive use in immunity-related functions. It may not be used for the control of a vehicle, a vehicular safety system or in a way that may disturb the driver, data bus or statutory devices fitted to a vehicle.

TECHNICAL SPECIFICATIONS

Electrical and Interface

Power Connector - Vehicle accessory plug, centre positive, 2 A fuse Input voltage - 10 – 32 V (12 V and 24 V vehicle systems)

Power consumption - Typically 5 W with camera operating

Data Connector - Woodhead RJ-Lnxx series.

Compatible with standard RJ45

Format -320 x 240 pixel color camera

image at 10 fps MPEG 4 RTSP video stream over port 554 at 600 kb/s.

Wired as a crossover configuration Mechanical Overall dimensions

Battery replacement unit (H x W x D) - 60 x 125 x 65 mm (2.4 x 5 x 2.5 inch)

Interconnect cable - 1.7 m (67 inches)

Junction box (H x W x D) - 60 x 120 x 80 mm(2.4 x 4.7 x 3.2 inch)

DC cable - 1.2 m (48 inches) Weight 660 g (1 pound 7 oz.)

Materials Battery replacement unit - Radel®R-5100

Lexan 940

Cable - Premium PVC flame resistant to UL VW-1 Junction box - Flame retardant ABS UL V-0

DC cable - Premium PVC flame resistant to UL-VW-1

Compliance

RFI/EMC Emissions - 2004/104 EC EN55022 / CISPR22 Class A FCC CFR-47 Part 15 Class A ICES-003

Immunity - EN55024 / CISPR24 2004/104 EC

Safety IEC 60950-1 and related national standards Vibration / Shock BS EN 60721-3-2 Class 2M2

Restriction of the use of Hazardous Substances in electrical and electronic equipment (RoHS) All parts of the system are

RoHS compliant as per EU directive 2002/95/EC

Environmental Data

Thermal conditions - Maximum operating temperature 75 °C (165 F) Minimum operating temperature –10 °C (14 F)

Storage - The EPVA can be stored for extended periods.