

argus®

thermal imaging from e2v

Argus® 4 External Power and Video Adaptor

Introduction

The P7030EPVA Argus®4 External Power and Video Adaptor allows an Argus®4 camera to be powered from an outside source and for the video to be viewed over a wired network connection.



*Note: Camera not included

When used with a suitable camera variant this unit also allows analogue video to be viewed on a monitor via the BNC connector. This requires a camera with the additional analogue output function, P7130/A, P7150, P7050, P7225 or P7250.

The P7030EPVA can be powered from a wide DC input source and is supplied with a vehicle accessory plug.

The P7030EPVA replaces the Argus®4 integral battery pack on the top of the camera. Operating 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. No end-user maintenance is required other than external cleaning with a soft cloth.

Features

- 10V-32V input voltage
- Automatic camera switch on
- Standard or industrial Ethernet connectivity
- Standard NTSC video output on suitable camera types
- 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

Product Order Code

- P7030EPVA

Warranty

The Argus® 4 External Power and Video Adaptor 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 Specification

Electrical and Interface

Power

Connector	Vehicle accessory plug, centre positive, 2A fuse
Input voltage	10 - 32V (12V and 24V vehicle systems)
Power consumption	Typically 5W with camera operating

Data

Connector	Woodhead R-J-Lnxx series. Compatible with standard RJ45
Format	320x240 pixel colour camera image at 10 fps Mpeg 4 RTSP video stream over port 554 at 600 kb/s. Wired as a crossover configuration

Video

Connector	BNC 75Ω
Format	1 Vp - p75Ω NTSC 525-line 60 Hz (EIA rs 170)

Mechanical

Battery replacement unit (H x W x D)	60 x 125 x 65mm (2.4 x 5 x 2.5 inch)
Interconnect cable	1.7m (67 inches)
Junction box (H x W x D)	60 x 120 x 80mm (2.4 x 4.7 x 3.2 inch)
DC cable	1.2m (48 inches)
Weight	690g (1lb 8 oz)

Materials

Battery replacement unit	Radel [®] R-5100 and Lexan [®] 940
Interconnect 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

LAN Mode	2005/83 EC EN55022:2006 Class A FCC CFR-47 Part 15 Class A ICES-003 Issue 4 AUS/NZ CISPR22:2006
Video Mode	BS EN 61000-6-3:2007 FCC Part 15B Class B ICES-003 Issue 4 AUS/NZ 61000-6-3:2007

RFI/EMC Immunity

LAN Mode	2005/83 EC EN55024A2:2003
Video Mode	BS EN 61000-6-2:2005

Safety	IEC 60950-1 and related national standards
Vibration / Shock	BS EN 60721-3-2 Class 2M2
RoHS	All parts of the system are RoHS compliant as per Eu directive 2011/65/EC

Environmental Data

Operating Temp range	-10°C to +75°C (14°F to 165°F)
Storage Temp range	-10°C to +40°C (14°F to 104°F)

Environmental Protection

Battery replacement unit	IP56
Junction box	IP56

