

INTRODUCTION

The Argus®4 Truck Storage Mount and Battery Charger is a system designed to provide secure storage with instant access for the Argus®4 Thermal Imaging Camera and provide charging facilities for the battery pack.

The unit is designed primarily for the storage of a camera within a fire truck, but can be fitted to any flat surface. The camera fits securely into the storage mount using a quick-release strap. The Truck Storage Mount will hold the camera with either the handle fitted or removed.

The Battery Charger will charge the camera battery pack or accessories. The battery charger has a LED to indicate that the battery is being charged similar to the battery charger supplied with the camera. The circuitry inside the unit will not overcharge the battery and will maintain the battery at full charge at all times. Charging can continue whether the vehicle is parked, running or in normal operation.

The storage mount also provides a flat surface for the fitting of the Battery Charger, or the Battery Charger can be fitted or stored in any area of the fire truck.

The Argus®4 Truck Storage Mount and Battery Charger System can be ordered as:

- P7030TSMBC Truck Storage Mount and Battery Charger System;
- P7030TSM Truck Storage Mount;
- P7030TBC Truck Battery Charger.

OPERATION

Remove the battery pack for charging (if required), and place the camera into the storage mount with the LCD display visible. Pull the restraining strap over the camera and visor and secure in position.

Connect the Battery Charger input lead to the vehicle's DC voltage supply. The LED on the charger will be orange for 5 – 7 seconds and then turn yellow. Insert the battery pack into the charging shoe. The LED will remain yellow while the charger is in start-up trickle mode. Once the fast charge mode starts, the LED will turn orange.

Note: If the battery temperature is too low (<0 °C, 32 °F) or too high (>40 °C, 104 °F) for charging, the LED will show green while flashing yellow. This will continue until the correct operating temperature has been reached.

If the battery temperature exceeds 60 °C (140 °F), the LED will flash between orange and green. The charger will stop charging, the battery will have to be removed from the charging shoe and the charger will have to be reset by disconnection from the mains.



Once the battery has reached full charge, the charger will go into top-up charge mode and the LED will turn green and flash intermittently yellow. Once the top-up has been completed, the charger will go into maintenance mode and the LED will show green.

Before fitting another battery into the charger, allow at least 30 seconds so the battery charger can reset; the LED changing to yellow indicates that the charger has reset.

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WARRANTY

The Argus[®]4 Truck Storage Mount and Battery Charger System are supplied with a one-year warranty.

TECHNICAL SPECIFICATIONS

Compliance Data

RFI/EMC - Vehicle standard - 2004/104/EC (see note)

Safety - IEC 60950-1 and related national standards

Vibration/ shock - BS EN 60721-3-2 Class 2M3 (transportation)
NFFPA 1901 14.1.11.2 (rollover/crash test)

RoHS - All parts of the system are RoHS compliant as per EU directive 2002/95/EC

China e2v technologies declares that the ARGUSTM4 Thermal Imaging Camera System is compliant with the China RoHS Regulation SJ/11364 (Marking for Control of Pollution Caused by Electronic Information Products)



e2v公司声明：ARGUSTM4热成像相机符合中国RoHS标准SJ/11364《电子信息产品污染控制标识要求》的规定。

Environmental Data

Operating temperature - The truck storage mount and battery charger can be operated in temperatures between 0 and +40 °C (14 and 104 °F)

Sealing - The Truck Storage Mount is not sealed. The Battery Charger is sealed to IP42

Storage - The Truck Storage Mount and Battery Charger can be stored for extended periods. It is recommended that for maximum effective operational life, the storage temperature is kept between -10 and +40 °C (14 and 104 °F)

Mechanical Data

Overall dimensions Storage mount 156 x 256 x 165 mm
(H x W x D) - (6.1 x 10.1 x 6.5 inch)

Charger (H x W x D) - 50 x 160 x 165 mm
(2 x 6.3 x 6.5 inch)

Weight Storage mount - 1.1 kg (2.4 lb) nominal
Battery charger - 0.7 kg (1.5 lb) nominal

Materials Storage mount outer - anodised aluminium
Storage mount inner - black LD45 foam
Battery charger - UL94 V0 plastic

Electrical Data

Charger Charging time - 2 hours
Input voltage - 10 – 30 V DC (12 and 24 V vehicle supplies)
Protection - Over-voltage and over-temperature protection built into the charger and battery.

Note: This device is not immunity related and must not be used as an aid to the control of a vehicle.

INSTALLATION

The Argus[®]4 Truck Storage Mount and Battery Charger System is designed to be fitted to any flat surface. The battery charger has to be fitted within 1 m (3 feet) of the vehicle's DC voltage supply. It can be fitted vertically or horizontally, depending on the available space.

Note: If the camera being stored has the handle fitted, allow sufficient room for the handle to protrude from the storage mount.

Using the drilling template (see below), drill four holes to accept M6 or equivalent screws. Place the storage mount in position and attach using M6 or equivalent countersunk screws. Connect the input lead to the vehicle's DC voltage supply.

Refer to the label on the bottom of the Battery Charger (shown below) for the correct input voltage range and current rating.



TEMPLATES FOR FIXINGS

Drilling templates to aid the correct location of holes to fix both the Truck Storage Mount (form no. DF762063A) and the Battery Charger (form no. DF762064A) are supplied as required.