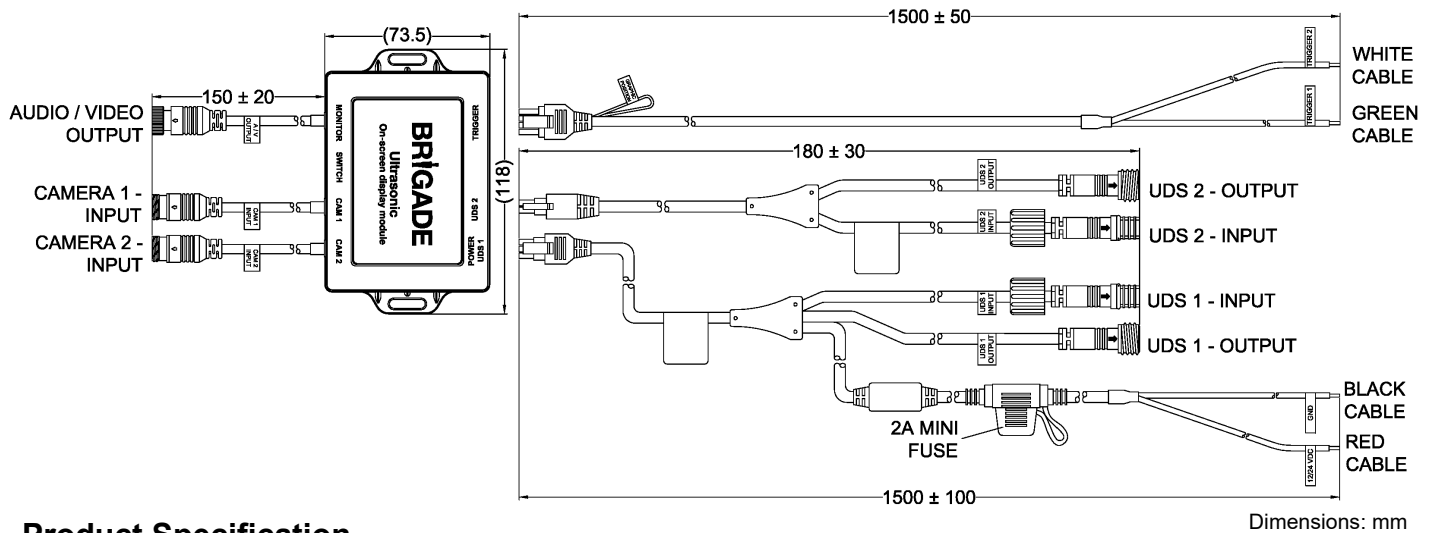


Product Specification



Brigade Model Number: UDS-OSD20 | UDS-OSD21
Brigade Part Number: 5099 | 5347



Dimensions: mm

Product Specification

Environmental Specifications:

- Shock Rating: 10G
- Vibration Rating: 5G
- IP Rating: IP30
- Operating Temperature: -30°C to +70°C
- Storage Temperature: -40°C to +85°C

Approved Standards:

- CE - (EN 61000-6-2:2005 + AC:2005) / (EN 61000-6-3:2007 + A1:2011 + AC:2012)
- FCC - (47 CFR Part 15 Subpart B)
- IC - (ICES -003 Issue 6)
- 'E' Mark - (ECE Regulation 10 Rev 05)
- Ingress Protection - (ISO 20653: 2010)
- RoHS
- WEEE

Technical Specifications:

- Operating Voltage: 12 / 24 Vdc
- Current Consumption: ≤ 140mA @ 12Vdc
- Power Consumption: ≤ 1.68W @ 12Vdc
- TV System:
 - UDS-OSD20: For PAL Systems
 - UDS-OSD21: For NTSC Systems
- No. of Triggers Inputs: 2
- No. of Camera Inputs: 2 x 4 pin VBV Connector
- No. of Audio/Video Output: 1 x 4 pin VBV Connector
- No. of UDS Inputs: 2 x 3 pin UDS Connector
- No. of UDS Outputs: 2 x 3 pin UDS Connector
- Overall Dimensions: (Without Cables) 73.5 mm (W) x 118 mm (D) x 27.5 mm (H)
- Installed Weight: Approx. 400 grams
- Video Input: 1.0 Vp-p / 75Ω
- Video Output: 1.0 Vp-p / 75Ω
- Power Cable Thickness: 22 AWG
- Trigger Cable Thickness: 24 AWG
- Housing Material: Black ABS Plastic

Technical Specifications Continued...

- Length of Cable :
 - Power Cable: 1500 ± 100mm
 - Splitter Cable: 180 ± 30mm
 - Trigger Cable: 1500 ± 50mm
 - Camera Inputs: 150 ± 20mm
 - Video Output: 150 ± 20mm

Features:

- Overlay of vehicle icon and ultrasonic proximity detection onto a video image from a camera or black background without a video signal present.
- Trigger signals control which video/audio input channel signal is displayed with integrated 3 second off delay for use with indicators.
- Depending on which side of the vehicle SideScan is installed the matching vehicle icon version can be selected, therefore also the vehicle icon swaps sides.
- UDS detection audible warning signal overlaid onto the audio signal from the camera.
- Faults of the UDS sensor systems are displayed with the overlay for proximity detection graphics.
- Depending on the used UDS sensor systems, the overlay for the proximity detection graphics location can be configured via DIP switches on the ECU.
- Compatible UDS sensor systems:
 - SS-4x00W - Brigade SideScan Systems
 - BS-4000W - Brigade BackScan Systems
 - FS-4000 - Brigade FrontScan Systems

Package Contents:

- UDS-OSD2X-ECU - ECU
 - 1 x UDS-OSD20-ECU for PAL Systems
 - 1 x UDS-OSD21-ECU for NTSC Systems
- 1x UDS-CBL001 - Power Cable
- 1x UDS-CBL002 - Splitter Cable
- 1x UDS-CBL003 - Trigger Cable
- 1x UDS-OSD-IG - Installation Guide

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