

Carlyle

Bus & Coach Ltd



Brigade Electronics Plc
Vehicle Safety Solutions



Solutions designed to keep you on the move...

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Glass . wipers . electrical . mirrors . batteries . seating . body fittings . body panels . bodyshop . vanhood

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Brigade Electronics Plc is a market leader in vehicle safety systems, with over thirty years experience, creating what is today an unparalleled knowledge of the problems our customers face. Our name is synonymous with quality, reliability and innovation. We provide a full range of complementary leading edge safety systems for all types of commercial vehicle and mobile plant machinery. Not only does this enhance driver, passenger and pedestrian safety, but it improves efficiency leading to significant cost savings.

From our headquarters in Kent the Brigade group has subsidiary companies in the USA, Germany, France, Italy and The Netherlands, a joint venture in South Africa and is in partnership with over 50 specialist distributors worldwide, with current exports across all five continents.

We rigorously test all products beyond industry standards to achieve quality and reliability. In fact we are so confident in our products that we can provide two years, three years and in the case of some products, lifetime warranties.

SELECT RANGE CAMERA MONITOR SYSTEM

Single camera system for rigid vehicles
(Includes 20m camera extension cable)
Single camera system for smaller buses and mini-buses
(Includes 10m camera extension cable)



- VBV-750DM - monitor
- VBV-700C - camera
- 2 year warranty



- Monitor**
- 12-24Vdc
 - 3 camera inputs
 - Size (WxHxD)
148 x 110 x 32mm

- Camera**
- Viewing angle (HxVxD)
98 x 75 x 120°
 - IP67
 - Size (WxHxD)
88 x 85 x 66mm

See individual products for detailed specifications

NEW DIGITAL

SELECT RANGE MONITOR



5" Digital LCD monitor

- 12-24Vdc
- 3 camera inputs
- Size (WxHxD)
148 x 110 x 31.5mm
- 2 year warranty



- Features**
- 3 Auto-triggers
 - Mirror / Normal switching from menu
 - On-screen distance markers
 - Audio
 - Sun shield
 - Auto-dimmer
 - Multi-lingual menus
 - Auto-switching PAL / NTSC

- Picture Quality**
- Anti-glare screen
 - Resolution: 640 x 3 x 480
 - Contrast ratio: 500:1
 - Brightness: 200cd/m²

- Viewing angles:
Side 70° x Top 50° x Bottom 70°
- Power**
- Power consumption: 5 Watts
 - Current: 0.18 Amps

- Durability & Standards**
- Mechanical vibration: 10G
 - Mechanical shock: 100G
 - Operating temperature: -20 to +70°C
 - CE marked
 - EMC approved: e
 - Approved for indirect vision
 - HALT tested

ELITE RANGE CAMERA



Compact flush mount camera
Rear view (high mount - mirror view)

- Viewing angle (HxVxD)
95 x 72 x 125°
- IP68
- Size (WxHxD)
50 x 45 x 65mm
- 3 year warranty



- Features**
- 1/3" Sony CCD
 - TV System: PAL
 - TV Lines: 420

- Power**
- Power consumption: 1.2 Watts
 - Current: 0.1 Amps

- Durability & Standards**
- Mechanical vibration: 20G
 - Mechanical shock: 100G
 - Operating temperature: -30 to +80°C
 - CE marked
 - EMC approved: e
 - Approved for indirect vision
 - HALT tested



ELITE RANGE CAMERA CABLE

20 metre cable
10 metre cable

LARGER MEMORY

MOBILE DIGITAL RECORDER



MDR-304-320 - 320GB hard disk

MDR-304-250 - 250GB hard disk

- 12Vdc
- 4 camera inputs
- 3 trigger/alarm inputs
- Lockable central caddy
- Easily downloadable recordings and data
- Size (WxHxD)
214 x 80 x 193mm
- 3 year warranty
(hard disk drive 1 year only)



Features

- Black box recorder with docking station and anti-vibration mounting
- Removable central caddy with integral hard disk and lockable keypad
- Up to 360 hours recording (based on 320GB version at 5 frames per second resolution)
- Recording triggered by motion detection even when vehicle inactive
- Easy to use via 'DVD style' front panel
- Video and audio recordings saved on hard disk or SD card
- Download data from USB port or removable SD card
- 2 trigger / alarm outputs to trigger other devices

- Compatible with Brigade camera monitor systems
- Optional GPS sensor to record location, route and speed data

Picture Quality

- High quality real time recording images
- Record at between 5 and 25 frames per second per channel

Power

- Power consumption: 15 Watts
- Current: 1.25 Amps

Durability & Standards

- Mechanical vibration: 1.25G
- Operating temperature: 0 to +45°C
- CE marked
- EMC approved: E and e

SPEAKING ATTACK ALARM



BC-AA(BUS) - Single bus specific message - 110 Decibels
BC-AA(B) - Single bespoke message - 110 Decibels

- 12-24 Volts
- IP68
- Size (WxHxD)
115 x 115 x 120mm
- 2 year warranty

Features

- Real speech alarm
- Activated by panic button, repeats continuously until deactivated by hidden switch
- Sounder unit: Speaker
- Hole centres (mm): 48

Power

- Current: 0.5 Amps

Durability & standards

- CE marked
- EMC approved: e

NEW LOW COST

WHITE SOUND REVERSING ALARM



BBS-92 - Medium duty - 92 Decibels
BBS-87 - Medium duty - 87 Decibels
BBS-82 - Medium duty - 82 Decibels

- 12-24 Volts
- IP68
- Size (WxHxD)
91 x 55 x 45mm
- Lifetime warranty

Features

- Multi frequency broadband sound
- Instantly locatable
- Sound confined to danger area
- Eliminates noise nuisance
- Sounder unit: Speaker
- Hole centres (mm): 76

Power

- Current: Max 0.5 Amps

Durability & standards

- Mechanical vibration: 10G
- Operating temperature: -40 to +85°C
- CE marked
- EMC approved: e
- SAE J994
- NAS/PIEK approved for night-time delivery (BBS-82 only)

ELITE BACKSCAN REVERSING SENSOR SYSTEM



Display and control box shown

- 12-24 Volts
- 2.5m detection range (outer sensors 0.6m)
- Waterproof control box
- Underslung or flush-mount 4 sensor system
- 2 year warranty

Features

- Dynamic Scanning
Memory prevents false alarms from tow-hooks and other ancillary equipment that intrude in the first 40cm of the detection zone
- Self-diagnostic function
- Graduated audible & visual distance warning display
- Interchangeable sensors
- Includes buzzer cable, 4x 4.5m and 4x 2.5m sensor extension cables

Durability & Standards

- Operating temperature - buzzer & display: -20 to +60°C
- Operating temperature - ECU & sensors: -30 to +80°C
- Waterproof sensors to IP67
- Waterproof control box to IP67
- CE marked
- EMC approved: E



Complete systems for long vehicles

Includes 4x flush mount 11° upward angle sensors (suitable for all bumpers)

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