Infotainment Solutions for Agricultural and Construction Vehicles

Smart Equipment for Agrifuture Connectivity
The rapid escalation of food demand due to the growing population worldwide is boosting the demand for smart agriculture.

In the shift toward the smart agriculture, connectivity everywhere is essential.

We believe in a sustainable future, where people will take everything our planet provide us to satisfy their needs, but without jeopardizing the forthcoming chances of the next generations.

Investments in new technologies will make the agribusiness more efficient from all perspectives in order to maintain the respect for the Earth.

Our continuous endeavor is to offer more efficiency to agricultural machinery making it more connected and even driverless.
Automotive electronics industry is evolving quickly, continuously proposing exponential novelties for the infotainment market.

We provide CAV’s users the comfort of the same connectivity solutions in their cabins that can usually be found in the cars. Heavy Duty dependability and the next generation technology joined together to maximize the performance and the resistance to specific conditions of CAV’s environment.

Decades of the product development for the automotive industry made us work closely with our customers due to find the best solution to be implemented in their production of the cars or for the small batch highly personalized vehicles. We apply the same philosophy to the CAV market adapting the technologies to the specific needs of these vehicles and their users.

CAMERAS
Cameras for heavy duty applications, robust and able to operate in extreme environmental conditions. Main features are night vision, friendly installation and direct connection to Calearo monitors.

SPEAKERS
Coaxial loudspeakers for a perfect sound experience. Speaker grills of different shapes and dimensions complete the kit.

ANTENNA
Wide range of AM/FM radio antennas suitable for different applications and several mounting systems. Single or multifunction antennas combine AM/FM Radio and the innovative DAB/DAB+ Digital Radio reception. Calearo antennas are the optimal solution for a high-quality reception experience.

MONITORS
7” LCD-TFT Monitors for camera system. Brilliant colors with a clear image display, monitors offer up to 4 video inputs, front touch buttons and a remote control included. Power input range supports 12V and 24V, granting a broad vehicles compatibility.

RADIOS
1-DIN radios of must-have professional features. Mechless, dust and spray resistant, built-in EEPROM for back-up, 12/24V power supply, DAB/DAB+ Digital Radio compatibility, Bluetooth connectivity for handsfree and streaming audio, USB, SD Card, AUX IN and/or CD/MP3.

Infotainment Solutions for Agricultural and Construction Vehicles
ON GLASS, INTERNAL BUMPER, FIBERGLASS, REAR and FRONT ROOF ANTENNAS

1DIN CAR RADIO WITH EEPROM FOR BACK-UP

REARVIEW SYSTEMS
### 1DIN CAR RADIO WITH EEPROM FOR BACK-UP

**Rearview Systems**

**Speakers**

**7677932**

- **Universal**
- **16V Combi DAB**
- **Connector**: DAB = SMB F, AM/FM = ISO*
- **Cable DAB**: L = 5 m, Z = 50 Ω, C = 101 pF/m
- **Cable AM/FM**: L = 5,8 m, Z = 75 Ω, C = 67 pF/m
- **VSWR**: DAB = 3:1
- **Frequency**: DAB = 174 - 240 MHz, AM = 0.15 - 1.71 MHz, FM = 87.5 - 108 MHz
- **Gain**: DAB = 18 dbi
- **Consumption**: 50 mA max
- **Power**: +12 V dedicated
- **L x W x H (cm)**: 6 x 4,3
- **Rod**: L = 41 cm, Grade = 60°

*ISO/DIN adapter included

### Rear Roof Antenna

**Shark2 Combi DAB**

**Connector**: AM/FM = HC97 F (RAKU 2 F), DAB = SMB F

- **Cable DAB**: L = 5 m, Z = 50 Ω, C = 101 pF/m
- **Cable Power**: L = 5 m (Unipole with Faston)
- **Frequency**: DAB = 174 - 240 MHz, AM = 0.15 - 1.71 MHz, FM = 87.5 - 108 MHz
- **Gain**: DAB = 10 dbi
- **Consumption**: AM/FM = 50 mA max, DAB = 50 mA max
- **Power**: 12V dedicated and Phantom
- **L x W x H (cm)**: 11.7 x 7.6 x 6.2

### Internal Bumper - Fiberglass

**Foil Combi DAB-DAB+**

- **Connector**: AM/FM = FAKRA M, DAB = FAKRA M
- **VSWR**: DAB < 2:1
- **Frequency**: DAB = 174 - 240 MHz, AM = 0.15 - 1.71 MHz, FM = 87.5 - 108 MHz
- **Gain**: DAB = 10 dbi
- **Consumption**: 60 mA max
- **Power**: 12V Phantom via AM/FM cable (non included)
- **W x H (cm)**: 35 x 13

* Cables DAB and AM/FM not included, please refer to general catalogue

### Special Holders

**Holders for Monitor or TomTom PND**

- **Connector**: 4 pins
- **Usage**: To connect camera to the monitor
- **L x W x H (cm)**: 18,2 x 17 x 5.2

**Accessories**

#### Extension Cables

<table>
<thead>
<tr>
<th>Connector</th>
<th>Length (m)</th>
</tr>
</thead>
<tbody>
<tr>
<td>7137739</td>
<td>10</td>
</tr>
<tr>
<td>7137740</td>
<td>20</td>
</tr>
<tr>
<td>7137741</td>
<td>10</td>
</tr>
</tbody>
</table>

**Usage**: To extend cables for QUAD monitor

#### Adapter Cables

<table>
<thead>
<tr>
<th>Connector</th>
<th>Length (cm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>7137742</td>
<td>30</td>
</tr>
<tr>
<td>7137743</td>
<td>30</td>
</tr>
</tbody>
</table>

**Usage**: To change video input and camera connector from 4 PIN to RCA
### 1DIN CAR RADIO WITH EEPROM FOR BACK-UP

<table>
<thead>
<tr>
<th>Model</th>
<th>Features</th>
</tr>
</thead>
<tbody>
<tr>
<td>7137568</td>
<td>AM/FM CD USB AUX IN</td>
</tr>
<tr>
<td>7137573</td>
<td>AM/FM USB SD AUX IN</td>
</tr>
<tr>
<td>7697015</td>
<td>DUAL CONE SPEAKERS</td>
</tr>
<tr>
<td>7697008</td>
<td>DUAL CONE SPEAKERS</td>
</tr>
<tr>
<td>7677901</td>
<td>DUAL CONE SPEAKERS</td>
</tr>
</tbody>
</table>

### SPEAKERS

<table>
<thead>
<tr>
<th>Model</th>
<th>2 WAY COAXIAL SPEAKERS NEODIMIUM TWEETER</th>
</tr>
</thead>
<tbody>
<tr>
<td>7697332</td>
<td>ML100</td>
</tr>
<tr>
<td>7697331</td>
<td>EL100</td>
</tr>
</tbody>
</table>

### COVERS AND FRAMES

<table>
<thead>
<tr>
<th>Model</th>
<th>Frames and Hole Cover for 1DIN / 2DIN</th>
</tr>
</thead>
<tbody>
<tr>
<td>7697301</td>
<td></td>
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<tr>
<td>7697302</td>
<td></td>
</tr>
</tbody>
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**Active AM/FM Antenna**
- Connector: AM/FM = DIN M
- Cable AM/FM: L = 2.4 m, Z = 75 Ω, C = 36 pF/m
- Frequency: AM = 0.15 - 1.71 MHz, FM = 87.5 - 108 MHz
- Power: +12 V dedicated
- Consumption: 40 mA max
- L x W x H (cm): 6.4 x 1.6 x 30

**Front Roof Antenna**
- Connector: AM/FM = DIN M
- Cable AM/FM: L = 2.45 m, Z = 130 Ω, C = 85 pF/m
- Frequency: AM = 0.15 - 1.71 MHz, FM = 87.5 - 108 MHz
- L x B (cm): 4.2 x 3.7
- Rod: L = 41 cm, Grade = 0° - 90°

**Rear Roof Antenna**
- Connector: AM/FM = ISO M
- Cable AM/FM: L = 3.6 m, Z = 75 Ω, C = 87 pF/m
- Frequency: AM = 0.15 - 1.71 MHz, FM = 87.5 - 108 MHz
- Power: +12 V dedicated
- Consumption: 60 mA max
- L x B (cm): 6 x 4.3
- L = 40 cm, Grade = 60°
ON GLASS, INTERNAL BUMPER, FIBERGLASS, REAR and FRONT ROOF ANTENNAS

ON GLASS, INTERNAL BUMPER, FIBERGLASS, REAR and FRONT ROOF ANTENNAS

REARVIEW SYSTEMS

7137331 7” LCD-TFT MONITOR FOR CAMERA SYSTEM

Display 7” LCD-TFT digital monitor 16:9
Video 800 x 480 pixel PAL/NTSC
Viewing angle Up = 50° Down = 70° Horizontal = 70°
Inputs 3 Video Inputs, 2 Audio Input
Connector 4 pins
Features Front-in A/V Input Built-in speaker
Dimensions L = 191 mm W = 121 mm H = 24 mm
Power +12 V / +24 V

7137730 7” LCD-TFT MONITOR FOR CAMERA SYSTEM

Display 7” LCD-TFT digital monitor 16:9
Video 800 x 480 pixel PAL/NTSC
Viewing angle Up = 50° Down = 70° Horizontal = 70°
Inputs 3 Video Inputs, 2 Audio Input
Connector 4 pins
Features Front-in A/V Input Built-in speaker
Dimensions L = 191 mm W = 121 mm H = 24 mm
Power +12 V / +24 V

7137732 MONITOR LCD-TFT 7”

Display LCD-TFT 7” 16:9
Video 800 x 480 pixel PAL/NTSC
Viewing angle Up = 40° Down = 60° Horizontal = 60°
Inputs Video = 2 inputs
Connector 4 pins
Switching Automatic / Manual
Dimensions L = 190 mm W = 132 mm H = 20 mm
Power +12 V / +24 V

Suitable with holder p/n 71337744 for Fiat Ducato / Peugeot Boxter / Citroen Jumper

SPEAKERS

7697330 2 WAY COAXIAL SPEAKERS

EL4X6
Dimensions 150 x 90 mm Depth = Max 45 mm
Power Nominal = 25 W Max = 50 W
Impedance 4 Ohm
Freq. response 60 > 20000 Hz
Efficiency 91 dB
Cone Paper
Materials Surround = Foam Basket = Steel

7697322 2 WAY COAXIAL SPEAKERS

EL130
Dimensions Diameter = 130 mm Depth = Max 46 mm
Power Nominal = 40 W Max = 80 W
Impedance 4 Ohm
Freq. response 80 > 16000 Hz
Efficiency 90 dB
Cone Paper
Materials Surround = Foam Basket = Steel

7697323 2 WAY COAXIAL SPEAKERS

EL165
Dimensions Diameter = 165 mm Depth = Max 57 mm
Power Nominal = 50 W Max = 100 W
Impedance 4 Ohm
Freq. response 70 > 16000 Hz
Efficiency 92 dB
Cone Paper
Materials Surround = Foam Basket = Steel
Almost 200 million of antennas produced in 60 years

In Europe 1 of 4 car antennas is Calearo product

Employees: 650

Total mq of production plants: 40,000

Settori di utilizzo
Areas of use