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Work more

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Select your machine

Why Orlaco?

Welcome to the Orlaco product catalogue. We are personally committed to bringing you the best camera and monitor solutions possible. To help create safer and more secure workplaces around the world. Our professional team has spent over twenty-five years designing and manufacturing a variety of certified, reliable and complete camera display solutions that effectively eliminate the blind spots around vehicles, machinery and vessels. We are confident that the options offered in this catalogue will not only help you to improve the safety, security and efficiency of your fleet, but also to enhance the ergonomics and comfort for your operators. That is what Orlaco stands for. We invite you to share your ideas and experiences with us.

On behalf of the entire team,
Henrie van Beusekom
Executive Director Orlaco

That's why!

Let us **improve** your every day job
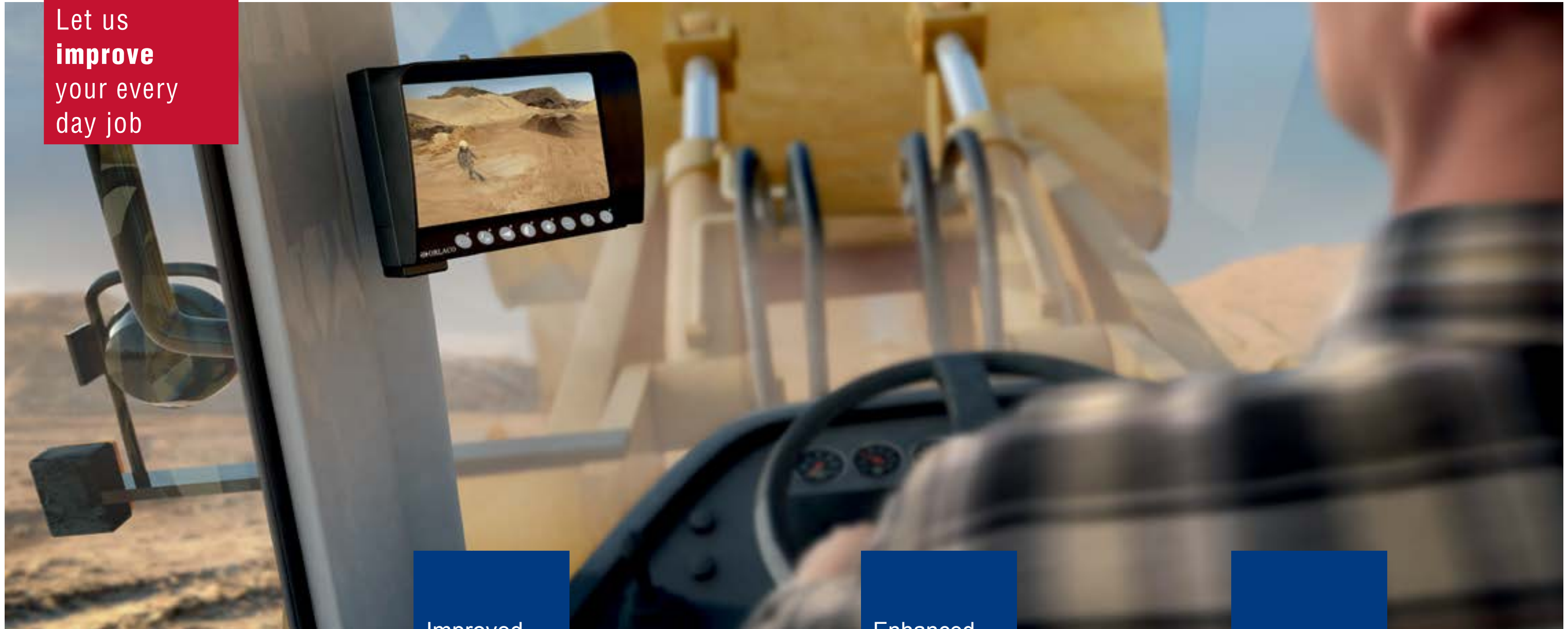
Improved Safety and Efficiency

Shovels, excavators and dump trucks are examples of complex machines that require clear vision which allows the operation to progress smoothly and safely. Machines are increasingly becoming further advanced with elevated demands on efficiency and output. Still, it is people that are required to handle this equipment correctly. Operators have minimal vision around the vehicle. It is essential to solve large blind spots in a professional matter. This is where Orlaco's camera monitor solutions will help to improve operational efficiency and safety.

Enhanced Ergonomics and Comfort

An operator is required to follow what is occurring around his machine. Frequently he must maneuver into a contorted position. Machines are reversing repeatedly. The operator is obliged to turn his body to overview the operation, possibly leading to short or even long term ergonomic injuries. By viewing the Orlaco monitor located on the dashboard, the driver can maintain correct posture and work more comfortably. The driver feels safe, secure and in control of the machines environment, reducing stress and providing comfort.

Certified Quality

At Orlaco, quality is never taken lightly. We keep a clear and persistent focus on customer satisfaction. A focus that is maintained throughout the manufacturing process of our quality products, which are custom designed in various formats. We are able to uphold our level of quality by providing detailed servicing. To top it all off, we have secured the highest achievable automotive certification: TS16949. At Orlaco, we invest in continuous improvement in order to secure a long term, satisfied customer base. We believe that compatibility in products, systems, and operations is the key element to creating reliable partnerships. All our products are controlled and clearly documented to give our customers a zero-defect product with operation that works right, every time.

Earth moving **sight** solutions

Clear view on a certain process when direct vision is not possible. This can also be used in combination with Rearview. (RT6610 - page 17)

*Camera setting: Horizontal line mark.
This option shows a reference line on the monitor.*

Not only safe reversing, but also good vision when turning the machine. This can also be used in combination with Toolview (RT6610 - page 17) or Sideview. (RS6410 - page 17)

ⓘ **INFORMATION**
ISO 5006: 2006 Earth-moving Machinery Directive.
The red line must be clearly visible to the operator.

If you are continually turning, you cannot always see what is happening next to the machine. A Sidecam is then the solution. This can also be used in combination with Rearview. (RS6410 - page 17)

Material Handler

Toolview

TC2300 - PAGE 17

Clear view on a certain process when direct vision is not possible. This can also be used in combination with Rearview. (RT6610 - page 17)
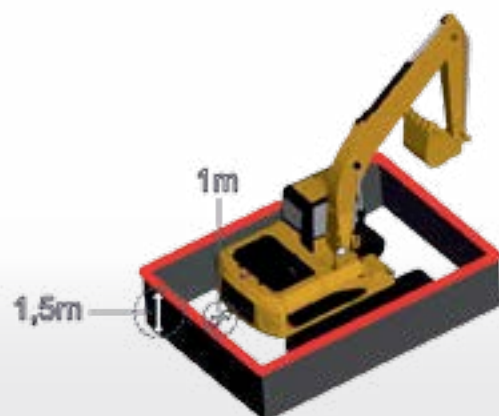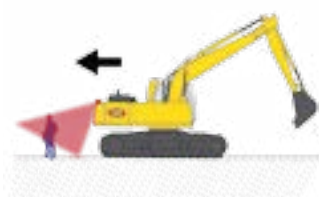
Rearview

RC2100 - PAGE 16

Not only safe reversing, but also good vision when turning the machine. This can also be used in combination with Toolview. (RT6610 - page 17) or Sideview (RS6410 - page 17)
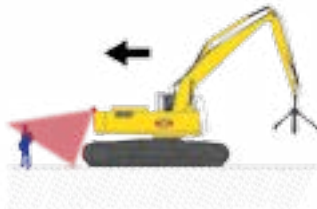
Sideview

SC2200 - PAGE 16

If you are continually turning, you cannot always see what is happening next to the machine. A Sidecam is then the solution. This can also be used in combination with Rearview. (RS6410 - page 17)

Wheel loader

Toolview

TC2300 - PAGE 17

Toolview provides good visibility to look over a load or the bucket.

Rearview

RC2100 - PAGE 16

Not only safe reversing, but also good vision when turning the machine.

Recommendation: Add RadarEye to increase safety & efficiency. (see page 24-25)

RadarEye setting: Transparent visualization of the radar-zones on the display. (standard preset setting)

RADAREYE

Crusher

Toolview

TC2300 - PAGE 17

Clear view on a certain process when direct vision is not possible. For additional ease of use and safety, we also supply a video transmitter-receiver system. This allows the operator of, for instance, an excavator, to see what is happening at a distance and to always be aware of the status. To achieve this, the Toolview Set must be extended with a Spectrum Scanner. (see page 26)

Vision solutions

Vision solutions
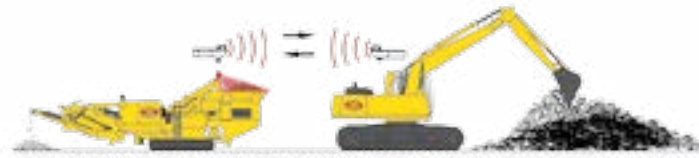
*Camera setting: Graticule.
This option shows a graticule for a Rearview
camera on the monitor.*

Rearview

RC2100 - PAGE 16

Not only safe reversing, but also good vision when turning the machine.
This can also be used in combination with Sideview. (RS6410 - page 17)

Recommendation: Add RadarEye to increase safety &
efficiency. (see page 24-25)
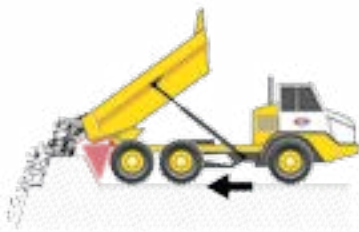
RADAREYE

Sideview

SC2200 - PAGE 16

If you are continually turning, you cannot always see what is
happening next to the machine. A Sidecam is then the solution.
This can also be used in combination with Rearview.
(RS6410 - page 17)

Roundview

AR6500S / AR6500M - PAGE 18

The Roundview Set guarantees good all round vision.
The set consists of a Rearcam, Frontcam and two Sidecams.

AR6500S: 7" monitor, One image per camera on monitor.
AR6500M: 12" monitor, Quad image on monitor.

Recommendation: Add RadarEye to increase safety &
efficiency. (see page 24-25)

RADAREYE
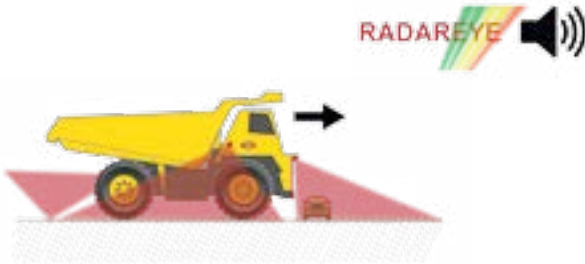
*Multiview Box setting: Quad image
(Monitor 12")*

INFORMATION

Surround view
Please contact
Orlaco for more
information.

Telehandler

Toolview

TC2300 - PAGE 17

Clear view on a certain process when direct vision is not possible. This can also be used in combination with Rearview. (RT6610 - Page 17)

Scraper
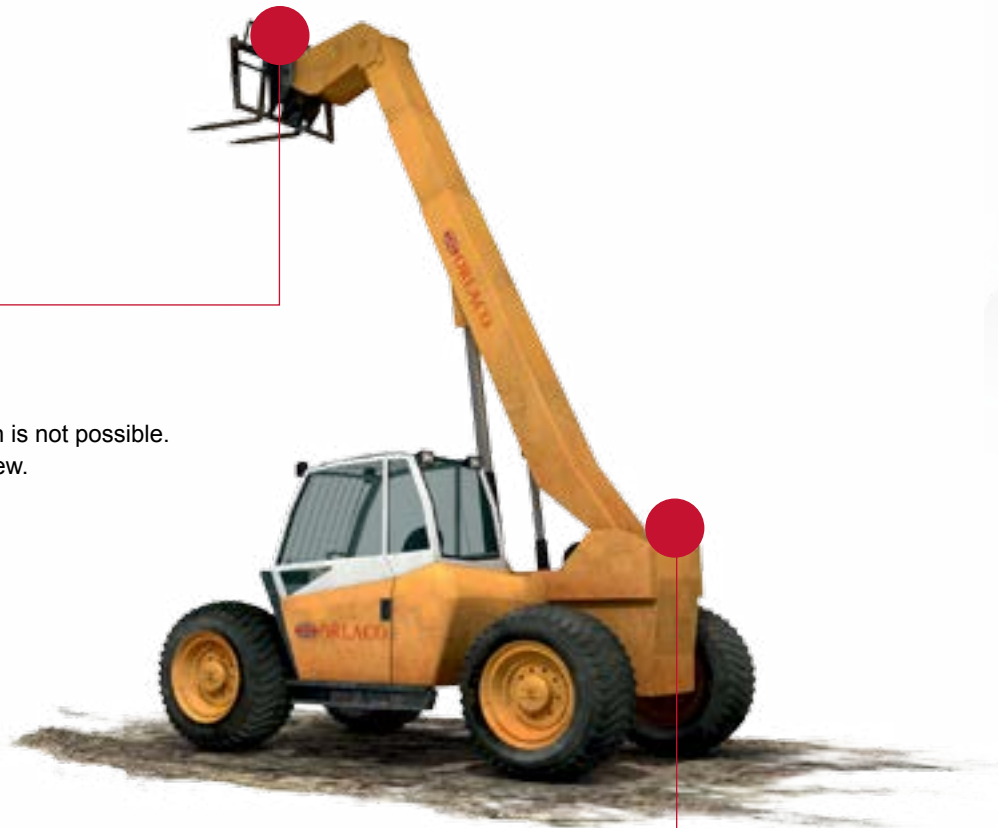
Rearview

RC2100 - PAGE 16
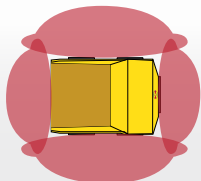
Not only safe reversing, but also good vision when turning the machine. This can also be used in combination with Toolview. (RT6610 - Page 17)

Bulldozer

Rearview

RC2100 - PAGE 16

Not only safe reversing, but also good vision when turning the machine. This can also be used in combination with Toolview. (RT6610 - Page 17)

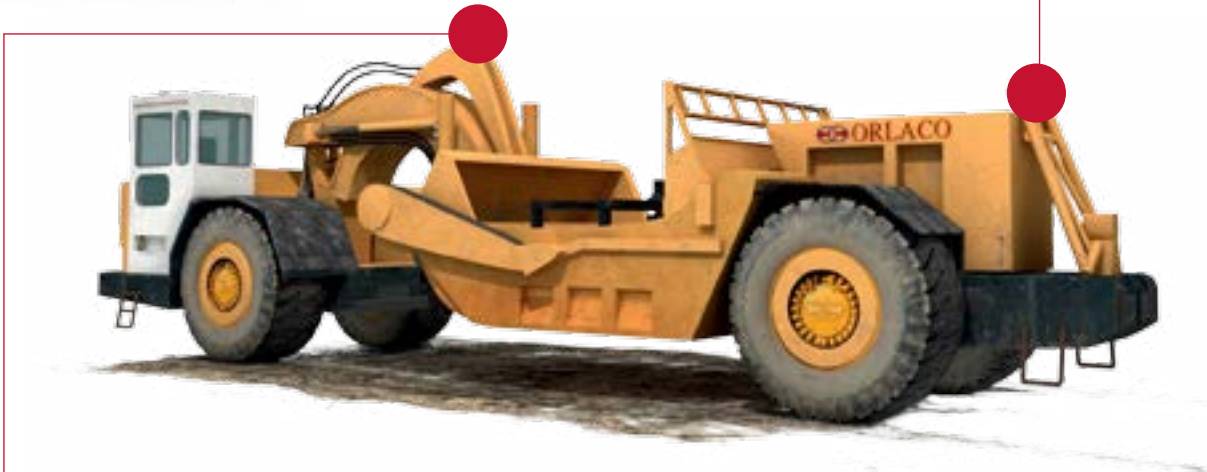## Motor grader

Toolview

TC2300 - PAGE 17

Clear view on a certain process when direct vision is not possible. It can also be used in combination with Rearview. (RT6610 - Page 17)

Vision solutions

Vision solutions

Rearview

RC2100 - PAGE 16

Not only safe reversing, but also good vision when turning the machine.

Recommendation:
Add RadarEye to increase safety & efficiency. (see page 24-25)

RADAREYE

Compactor

Rearview

RC2100 - PAGE 16

Not only safe reversing, but also good vision when turning the machine.

Backhoe loader

Set Rearview RC2100 (0402101)
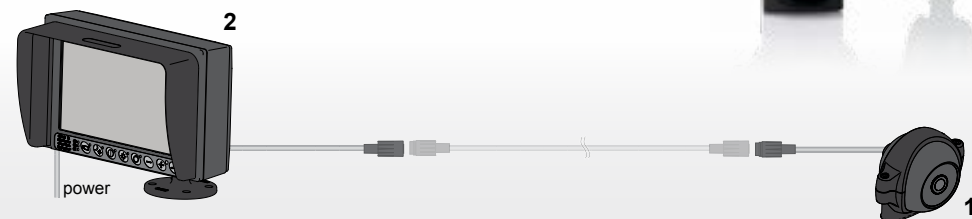
1. Camera FAMOS 118°
0171010 - page 20

2. Monitor 7" RLED, including adjustable bracket 132mm
0208672 - page 23

Cables
To be ordered separately, see page 22.

Set Rearview RC2120 (0402121)

1. Camera FAMOS 118°
0171010 - page 20

2. Monitor 7" RLED, including standard bracket
0208681 - page 23

Cables
To be ordered separately, see page 22.

Set Sideview SC2200 (0402201)

1. Camera FAMOS 118°
0171010 - page 20

2. Monitor 7" RLED, including adjustable bracket 132mm
0208672 - page 23

Cables
To be ordered separately, see page 22.

Set Toolview TC2300 (0402301)

1. Camera FAMOS 80°
0171030 - page 20-21

2. Monitor 7" RLED, including adjustable bracket 132mm
0208672 - page 23

Cables
To be ordered separately, see page 22.

Set Rear-Sideview RS6410 (0406411)

1. Camera FAMOS 118° (2x)
0171010 - page 20

2. Monitor 7" RLED 4Cam, including adjustable bracket 132mm
0208612 - page 23

Cables
To be ordered separately, see page 22.

Set Rear-Toolview RT6610 (0406611)

1. Camera FAMOS 118° (Rear)
0171010 - page 20
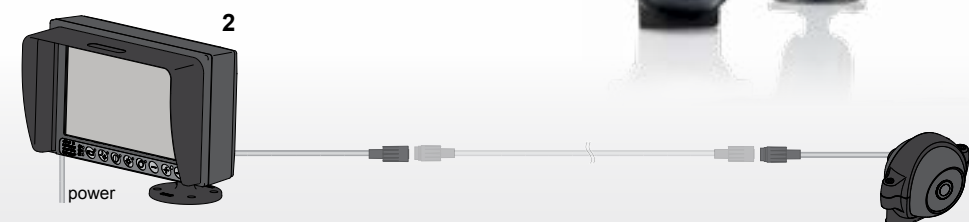
2. Camera FAMOS 80° (Tool)
0171030 - page 20-21

3. Monitor 7" RLED 4Cam, including adjustable bracket 132mm
0208612 - page 23

Cables
To be ordered separately, see page 22.
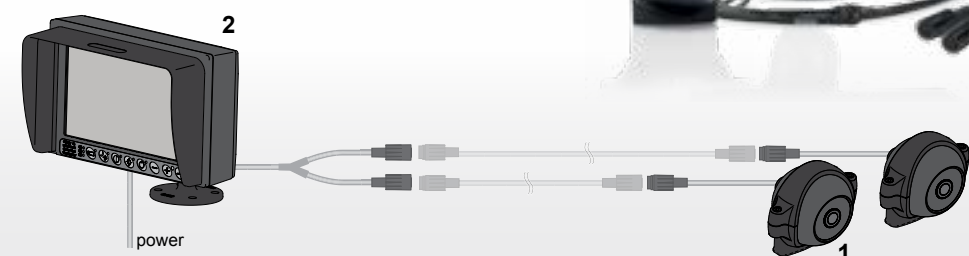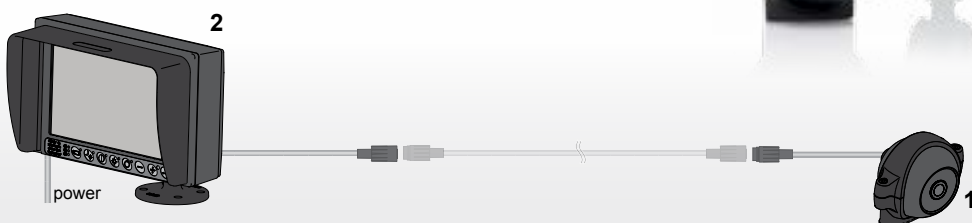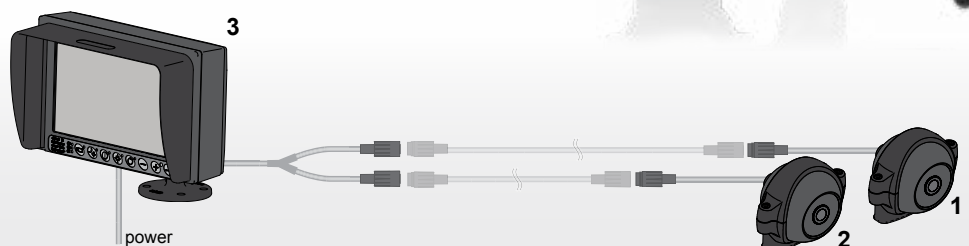
Set RoundView AR6500S (0406501)

1. Camera FAMOS 118° (4x)
0171010 - page 20

2. Monitor 7" RLED 4Cam, including adjustable bracket 132mm
0208612 - page 23

3. Switcher UNI
0404040 - page 26

Cables
To be ordered separately, see page 22.

Set RoundView AR6500M (0406511)

1. Camera FAMOS 118°
0171010 - page 20

2. Monitor 12" RLED Serial, including adjustable bracket 190mm
0411130 - page 23

3. MultiView Box
0404110 - page 26

Cables
To be ordered separately, see page 22.
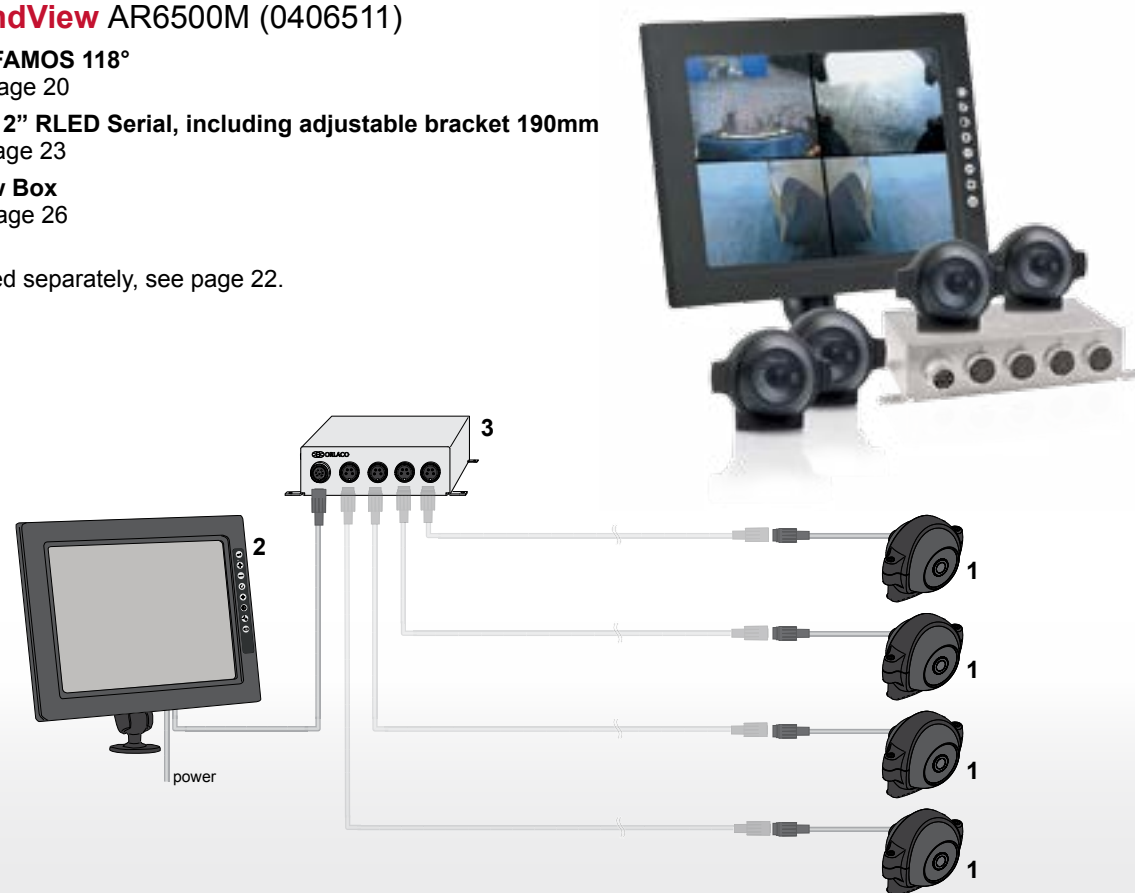
Set RadarEye

1. Camera FAMOS 118°
0171010 - page 20

2. Monitor 7" RLED SRD, including adjustable bracket 132mm
0208871 - page 23

3. Set SRD Center Rear
0403100 - page 24

4. Interface Box SRD
0504820 - page 25

Cables
To be ordered separately, see page 22.

Optional: Switcher Uni
0404040 - page 26
Connect up to 4 cameras

Optional: Monitor 12" RLED SRD
0411300 - page 23

SRD Monitor (with 4p and 7p connectors)

You can easily expand your Orlaco SRD Monitor system with our active detection option (see RadarEye beneath)

1. Camera FAMOS 118°
0171010 - page 20

2. Monitor 7" RLED 4Cam CAN SRD, incl. adjustable bracket 132mm
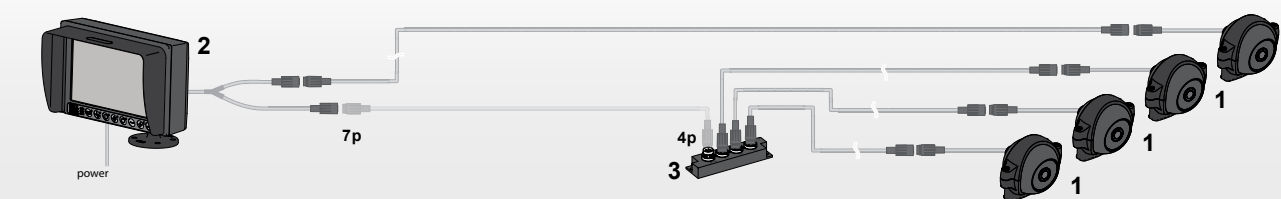0209110 - page 23

3. Switcher UNI
0404040 - page 26

Cables
To be ordered separately, see page 22.

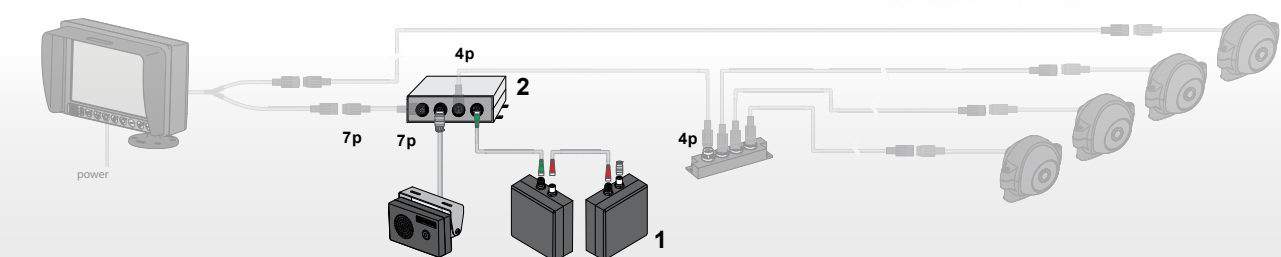## RadarEye expansion set for SRD Monitor (see above)

Expand your SRD monitor set with RadarEye by replacing the adapter cable for the RadarEye expansion set. Other cables to be ordered separately.

1. RadarEye set
0403100 / 0403120 - page 24

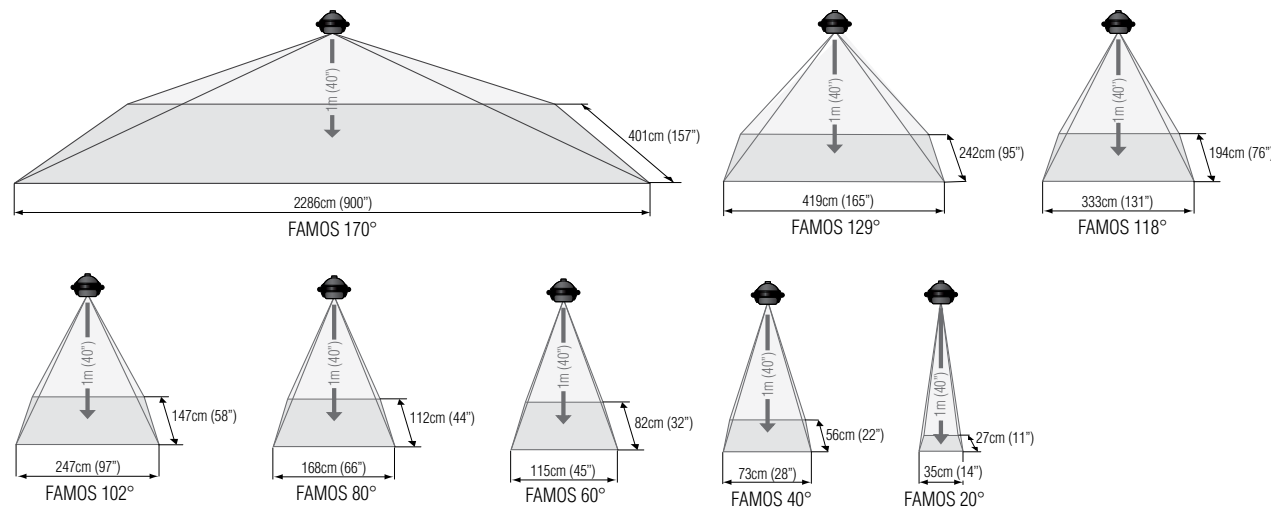**2. Interface Box SRD**
0504820 - page 25

Or design your system yourself

Step 1: Select your camera
Step 2: Select your desired cable
Step 3: Select your monitor
Step 4: Select the required options

It is also possible to configure your system online on our website: www.orlaco.com

Whatever you select, the system can be easily installed and is plug-and-play.

Note: For two or more cameras a switcher, 4Cam RLED Monitor or MultiView Box and additional cables are required. Contact us for support.

The qualifications of our AMOS and FAMOS Compact Cameras

- Next generation CMOS sensor
- Light sensitivity 0.05 lux
- Integrated *Safety ticker* to show that camera is running and active
- Impact and vibration proof

- Operating temperature between -40°C to +85°C
- Heated lens glass, therefore no problems with condensation or frost
- Fixed lens

- IP68 dust- and waterproof according to IEC 60529
- The camera has a 0,5m cable including a waterproof molded 4p connector male

FAMOS 170° — 2286cm (900"), 401cm (157"), 1m (40")
FAMOS 129° — 419cm (165"), 242cm (95"), 1m (40")
FAMOS 118° — 333cm (131"), 194cm (76"), 1m (40")
FAMOS 102° — 247cm (97"), 147cm (58"), 1m (40")
FAMOS 80° — 168cm (66"), 112cm (44"), 1m (40")
FAMOS 60° — 115cm (45"), 82cm (32"), 1m (40")
FAMOS 40° — 73cm (28"), 56cm (22"), 1m (40")
FAMOS 20° — 35cm (14"), 27cm (11"), 1m (40")

Cameras FAMOS

Type	Art. no. PAL	Art. no. NTSC
20°	0171060	0171160
40°	0171050	0171150
60°	0171040	0171140
80°	0171030	0171130
102°	0171020	0171120
102° MIRROR	0171220	0171240
118°	0171010	0171110
118° MIRROR	0171210	0171230
129°	0171000	0171100
170°	0171070	0171170

- Chemically hardened lens
- Automotive molding-filled housing, watertight IP69K according to DIN 40050-9
- Improved EMC-standards
- Optimized impact- and vibration-resistance

Camera FAMOS MIRROR SW1

Camera with mirrored image and guiding lines.

Type	Art. no. PAL	Art. no. NTSC
102° MIRROR	0171250	0171260

Cameras AMOS Communicator

Camera with additional features: PAL / NTSC setting, digital zoom, guiding lines, fisheye correction, mirror/flip settings and text features.

Type	Art. no. PAL / NTSC
69°	0135830
118°	0135810
129°	0135800

- Chemically hardened glass
- Nitrogen-filled housing, watertight IP69K according to DIN 40050-9

Cameras AMOS IR LED

Day/Night camera including 15 High Power Infrared LEDs 850nm.

Type	Art. no. PAL	Art. no. NTSC
69°	0146200	0146220
118°	0146210	0146230

Cameras AMOS IR LED Communicator

Camera with additional features: PAL / NTSC setting, digital zoom, guiding lines, fisheye correction, mirror/flip settings and text features.

Type	Art. no. PAL/NTSC
69°	0146800
118°	0146810

Cameras AMOS ATVC Set (All Time Vision Camera)

Self cleaning camera system by a rotating glass tube and fluid.

Type	Art. no. PAL	Art. no. NTSC
118° MIRROR	0400160	0400260

- Including control unit for Input/Output ATVC
- Excluding water pump with 6 liter reservoir (3500810)
- Excluding water hose (2270140)
- Excluding extension cable camera to Input/Output ATVC

Cameras CPH

Robust camera for mounting on a vulnerable position.

Type	Art. no. PAL	Art. no. NTSC
51°, 0,2m cable	0199710	0199740
51°, 0,6m cable	0199700	0199730

For Zoom-, Thermal image- or Pan & Tilt cameras, please visit www.orlaco.com.

The advantages of Orlaco cables

- All cables are specially developed by Orlaco
- Special cables are available for various circumstances such as severe off-road conditions
- Resistant to oil and petrol
- Watertight cable connectors
- Operating temperature -40°C to +85°C
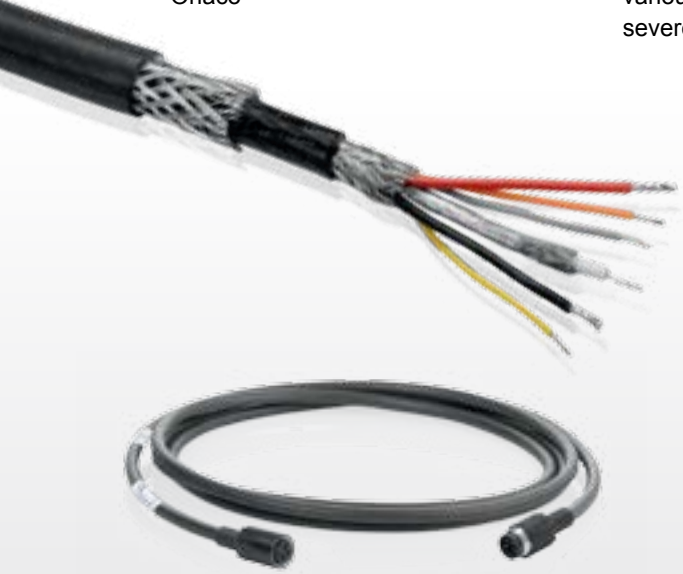
Armored cable especially for severe off-road conditions

This cable offers good protection against severe conditions. This is due to the additional internal galvanised braided steel wire armor. Attention: if cable is constantly moving as on a boom or hinged construction, please use the dynamic cable.

- For EMC 100V/m

Including 4p molded connectors:

0303342	1,5m	0303352	3m
0303472	5m	0303362	7,5m
0303372	9m	0303482	11m
0303492	16m	0305021	20m
0305011	28m		

Dynamic cable

Suitable for dynamic use, for instance for a Toolcam mounted on an arm or dipper stick, an excavator boom or in the between the moving part of an articulated dumptruck.

- Soft cover with small bend radius

Including 4p molded connectors:

0304371	0,5m	0304281	1m
0305341	3,5m	0304341	5m
0304381	6m	0304391	8m
0304431	9m	0304441	10m
0301811	11m	0304451	12m
0301731	15m	0301831	20m

Including 7p connectors:

0304460	3m	0304470	4m
0304480	5m	0304490	8m
0304560	9m	0304570	10m
0304580	11m	0304590	17m

Multi cable standard

This standard cable can be used if no special requirements like mechanical protection or dynamic movement of the cable is needed.

Including 4p molded connectors:

0301960	1m	0301870	2m
0301890	3m	0301880	5m
0301910	7,5m	0301930	8m
0301950	9m	0301900	11m
0301920	16m	0301940	21m
0301990	40m		

Including 7p molded connectors:

0304420	0,5m	0304260	2m
0304410	6m	0304610	11m
0304620	16m	0305030	21m

The possibilities offered by Orlaco LED monitors

- Automotive 7inch TFT liquid crystal display module, LED backlight
- Operating temperature between -40°C to +85°C
- Impact and vibration resistance meet the stringent requirements
- Power protected against:
  - Induction voltages
  - Load dumps
  - Over- and undervoltage
- Mirror image setting
- High resolution pixel WVGA 800xRGBx480
- Brightness automatically adjusts to the ambient light
- Option of a marker line per camera on the screen for the optimum determination of distance
- Integrated sun visor
- IP67 according to IEC 60529
- Full On-Screen-Display (OSD) in 12 languages
- Input Voltage 12...60V/DC +/-10%
- Watertight molded connectors
- Multiple view options for 12'' monitor

NOR   DUAL VER   DUAL HOR   PIC/PIC
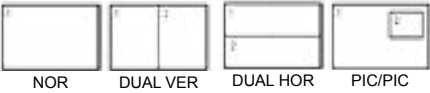
Monitor 7" RLED (Incl. 132mm bracket)   Standard bracket   Monitor 12" RLED (Incl. 190mm bracket)

Monitors RLED

Type	Video cable / connector	Power cable	Bracket	Art. no.
7"	2m / 4p female	2m open wired	132mm	0208603
7" 4Cam	2m Y-split / 4p female	2m open wired	132mm	0208612
7"	4m / 4p female	4m open wired	standard	0208681
7"	4m / 4p female	4m open wired	132mm	0208672
7" Serial	6m / 7p female	6m open wired	132mm	0208632
7" CAN SRD	6m / 7p female	6m open wired	132mm	0208871
7" 4Cam CAN SRD	2m Y-split / 4p-7p female	1m open wired	132mm	0209110
12"	4m / 4p female	4m open wired	190mm	0411000
12" 4Cam	2m Y-split / 4p female	2m open wired	190mm	0411040
12" 4Cam Serial	2m Y-split / 4p female	2m open wired	190mm	0411170
12" Serial	6m / 7p female	6m open wired	190mm	0411130
12" CAN	6m / 7p female	6m open wired	190mm	0411200
12" CAN SRD	6m / 7p female	6m open wired	190mm	0411300

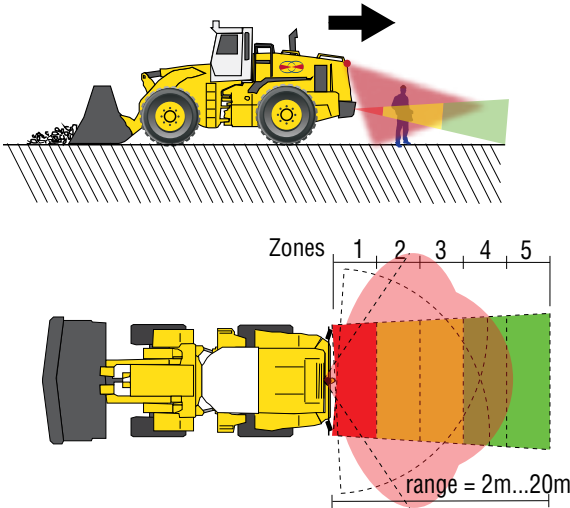|	
4Cam	Cable can be used to easily extend your system to display two cameras on one monitor or up to four cameras per monitor in combination with a Switcher. (see page 26)
CAN	Two dedicated wires are suitable for CAN bus communication.
CAN SRD	Specially designed for RadarEye systems. (see page 24-25)
Serial	For serial connection (Zoom cameras, MultiView box).

RadarEye unites visibility and active detection

Orlaco has developed this radar unit in addition to the camera-monitor systems. By combining the vision solution with an active signaling system, RadarEye offers additional safety and efficiency.
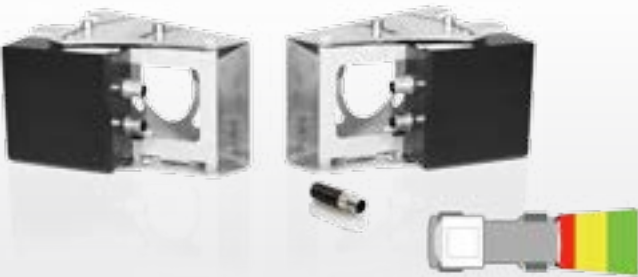
RadarEye is an integrated active view system designed to detect and see objects in zones obscured from the driver's view. The radar system detects stationary as well as moving objects in a designated coverage area. With this view system the driver is actively warned with audible tones that increase in rate as objects come closer. When an object is detected it can be seen on the monitor and the driver can respond immediately. This prevents damage to the drivers truck and any other equipment he may reverse into. The radar units have a rugged design, are shockproof, waterproof and is not influenced by the environment, such as snow, rain, mud and or temperature changes.

Check our demo RadarEye videos on the Orlaco YouTube channel.

- RadarEye can be used on various machines
- RadarEye is capable of visualizing the radar-zones on the display. As soon as an object enters the zone it will activate colored dots (default setting) or a transparent visualization (standard/custom preset settings) to make the driver aware of the potential danger
- 2...20m detection area, divided in 5 equally sized segments
- Separation distance: 1-4m (configurable)
- Antenna beam horizontal: 70°(typ.), vertical: 11°(typ.)
- Operating temperature between -40°C to +85°C
- Obstacle reaction delay 50ms
- Orlaco Monitor CAN SRD is required (see page 23)
- RadarEye can be extended with multiple sensor and camera units for all around detection and visibility
- Please contact Orlaco for advice and installation

Zones 1 2 3 4 5

range = 2m...20m

RadarEye Sets

0403120   Set SRD Corner Rear
Active Rearview system for corner mounting.

- Including SRD sensors, brackets and terminator
- Interface Box CAN/SRD/camera is required (0256010 or 0504820)
- Not including cables, camera and monitor CAN SRD

0403100   Set SRD Center Rear
Active Rearview system for center mounting.

- Including SRD sensors, bracket, cable master-slave (0301080) and terminator
- Interface Box CAN/SRD/camera is required (0256010 or 0504820)
- Not including cables, camera and monitor CAN SRD

RadarEye Interface boxes

0256010   Interface Box CAN/SRD/camera
The Interface Box is designed to connect SRD sensors to camera and CAN SRD monitor.

0504820   Interface Box with Ext. speaker CAN/SRD/camera
The Interface Box is designed to connect SRD sensors to a camera, CAN SRD monitor and external speaker.

- Set consists of: External speaker and Interface Box
- Sound pressure speaker: 85dB (+/-3dB) distance 1m

RadarEye Cables

Cable M12 Green
Connection cable between Interface box and master SRD sensor or connection cable between slave SRD sensor and next SRD sensor.

0301050	5m	0301060	10m
0301070	15m	0301120	20m
0301130	25m	0301140	30m

Cable M12 Master-Slave Red
Connection cable between master SRD sensor and slave SRD sensor.

0301080	0,25m	0301020	1m
0301030	4m	0301040	8m
0301090	16m		

RadarEye Brackets

0401330   Bracket SRD Sensor Corner Rear
Mounting bracket for SRD Sensor for corner mounting.

- Stainless steel
- SRD sensor not included

0401320   Bracket SRD Sensor Center Rear
Mounting bracket for SRD Sensor for center mounting.

- Stainless steel
- SRD sensors not included

RadarEye Parts
Please contact Orlaco for advice.

0004310   SRD sensor CAN Horizontal
Short Range Detection (SRD) sensor for integration in active view system (RadarEye).

- Connectors position: Side

0004320   SRD sensor CAN Vertical
Short Range Detection (SRD) sensor for integration in active view system (RadarEye).

- Connectors position: Top / Bottom

0350110   M12 Terminator 120 Ohm
120 Ohm resistor for terminating CAN bus.

Switchers

Input and power supply for three cameras and in combination with a Y-split cable: four cameras.
• Cameras can be switched over automatically or manually

0404040 Switcher UNI
• Waterproof IP54 according to IEC 60529
• 4p output for monitor

0404060 Switcher Serial
• Waterproof IP67 according to IEC 60529
• 7p output for monitor
• Only in combination with a Serial monitor
• Possibility to connect 1 serial Orlaco camera (AF Zoom)

0404080 Switcher UNI IP67
• Waterproof IP67 according to IEC 60529
• 4p output for monitor

0404070 Switcher 4Cam (for third party monitor)
This video switcher for third party monitors has 4 video inputs and 1 video output
• Connect up to 4 cameras (PAL or NTSC) to a third party monitor
• Including 3,85m power cable
• Please contact Orlaco for the appropriate cables

Multiview split

• Stainless steel housing
• Serial Orlaco Monitor needed

0404110   MultiView box
• 4 camera inputs (4x Compact Camera)

0404120   MultiView box
• 4 camera inputs (3x Compact Camera 1x AF-Zoom Camera)

Digital MPEG2 video recorder

0000200   Easysolid Recorder

• CompactFlash storage
• Compact stainless steel housing
• Video loop function
• 10-36V/DC
• Automatic timestamp
• Including 32GB CF-card for max 72 hours of storage and CF-card reader

Video distributor

0407000   Orlaco video distributor
For connecting a second and third Orlaco monitor.

• 12V/DC
• Cables and connectors are not included

Push button

8975760   Push button yellow
For manually switching between cameras.

Joystick

0506500   Joystick

• Built-in, IP40
• Operating temperature between -30°C to +75°C
• Telemanique

Split cable (2m)

0303781   Y-Split cable UNI RLED
• With two 4p female connectors (video) and open wire cable (power)
• For connections 2 to 4 cameras (with Switcher)

Adapter cables

0304000   Interface cable 4p female - 4p female

0304050   Interface cable 4p male - 4p male

0304210   Interface cable 4p female - 7p male

0304220   Interface cable 4p male - 7p female

0303860   Interface cable 4p female - BNC

0303770   Adapter cable 4p female - Cinch
(if OEM monitor is used)

Connectors

1310841   Connector 4p female Gold
• Recommended for multi cable

1312001   Connector 4p male Gold
• Recommended for multi cable

1310850   Connector 4p female PG9 Gold
• Recommended for dynamic and armored cable

1312050   Connector 4p male PG9 Gold
• Recommended for dynamic and armored cable

0357010   Bulkhead connector

• 4p
• Suitable for lead-through on bodywork

Orlaco IP SmartView

0060310 Licence Smartview software
View and control of cameras over TCP/IP or a local computer network.

- Support H.264 digital video codec
- Multiple display settings (full, split, quadviews, 8 and 16 cams on 1 screen)
- Individual camera presets and master presets for controlling multiple PTZ simultaneously
- Sequential camera switcher
- Motion detection
- Supplied on USB memory stick
- Please contact Orlaco for further information

Spectrum Scanner wireless video transmitter & receiver

- Including powercable and two adjustable brackets for transmitter and receiver
- 8 video channels
- Full On Screen Display (OSD) functionality for system settings
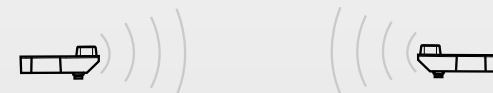- Please contact your dealer for further advice

0004061 RoundMax 150
- Omnidirectional antenna with horizontal orientation
- Maximum range 150m (dependent on surroundings)

0004091 LineMax 300
- Directional antenna with vertical orientation
- Maximum range 300m (dependent on surroundings)

Power supply

0004600 Power supply 9-36V
- Maximum cable length 200m
- Power input 9-36V/DC
- Power output 12V/DC

Cable per metre (without connectors)

1220110	Multi cable 1x coax, 2x power, 1x data
1220170	Multi cable 1x coax, 5x wires
1220280	Multi cable armored 1x coax, 5x wires
1220350	Multi cable 2x coax, 5x wire
1220600	Dynamic cable 1x coax, 5x wire
1220900	Power cable 7x wire
1222000	Coax cable 75 OHM RG59

Any required connectors can be ordered separately. (page 27)

Mounting means

0401260 Quick coupling Compact Camera
For moving the Compact Camera between various objects.

- Including two attachment plates
- Stainless steel
- Compact Camera is not included

0402360 Aerodynamic cover
Cover specially designed for the Compact Camera.

- Stainless steel

0402310 Aerodynamic cover + nozzle

Specially designed for the Compact Camera. The nozzle allows high pressure cleaning of the camera lens.

- Hose and water tank are not included
- Stainless steel

0402320 Protective cover
Cover specially designed for the Compact Camera.

- Stainless steel housing

Camera extension brackets
Specially designed for the Compact Camera. Matches the hole pattern of the Compact Camera bracket.

- Stainless steel

0402250 Camera extension 155mm

0402270 Camera extension 250mm

0403310 Shock-absorbers for Compact Camera
In situations where shock absorption plays a major role, we recommend that the specially developed shock absorbers are used when installing the Compact Camera.

0402450 Camera Housing Dome
Ceiling mount for Compact Camera.

- Aluminium housing
- Including mounting hardware
- Compact Camera is not included

0401270   Camera bracket
Compact bracket specially designed for the Compact Camera.
• Cap can be resprayed in the color of the vehicle
• Including mounting kit
• Compact Camera are not included

0403400   Compact Camera magnet bracket
For quick mounting of Compact Camera on steel profiles.

8400610   Compact Camera bracket
Assembly set for Compact Camera.

2015700   Adjustable mounting bracket 3/8" UNC
• Length 131mm

2015500   Adjustable mounting bracket
• Length 132mm

2015600   Adjustable mounting bracket
• Length 190mm

2015510 Arm component 90mm

2015800 Arm component 144mm

2015750 Ball joint with connection plate

2015710 Ball joint 3/8" thread

2015900 Ball joint double

ISO Certifications

All Orlaco products are manufactured according to the latest *Quality Management System Standards*:

ISO/TS 16949 : 2009
ISO 9001 : 2008

Additionally, all Orlaco products are manufactured according to the latest *Environmental Management System Standard*:

ISO 14001 : 2004

Type-Approval Certifications

Regulations 10 and 46 are used to determine the Type-Approval for **EMC** and **Indirect Vision** (Mirror Directive). **R46** describes mirror specifications for truck compliancy. Orlaco Frontview systems meet all these requirements. **R10** describes the **EMC** behavior of the Orlaco Camera and Monitor systems.

TÜV Automotive Certifications

The *European Agreement concerning the International Carriage of Dangerous Goods by Road* (**ADR**) demands additional equipment. Orlaco Camera and Monitor systems and connection cables comply with these regulations.

Compliance

Our Camera and Monitor systems are produced entirely in line with the **CE-marking** and the most recent applicable directives and product standards (e.g. **EMC**, **FCC**, **Machinery**, **R&TTE**). Orlaco products are compliant with **RoHS** and **REACH**.

ORLACO | WORLDWIDE

It is Orlaco's viewpoint that optimal vision around every vehicle and vessel should be the norm. It provides safety, less damage, comfort and efficiency. *Vision is our mission®*. A revealing mission. We develop professional vision solutions for every situation:

■ ORLACO NORGE AS
Nesvegen 55
2080 Eidsvoll, Norway

■ Phone +47 63 96 76 00
■ post@orlaco.no
■ www.orlaco.no

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