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Wheel loader	9	Skid steer loader	15
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Articulated dump truck	10		
Off-highway truck	11		
Telehandler	12		
Bulldozer	12		
Scraper	13		
Motor Grader	13		

Excavator

Vibratory Soil Compactor

14

Select

machine

your

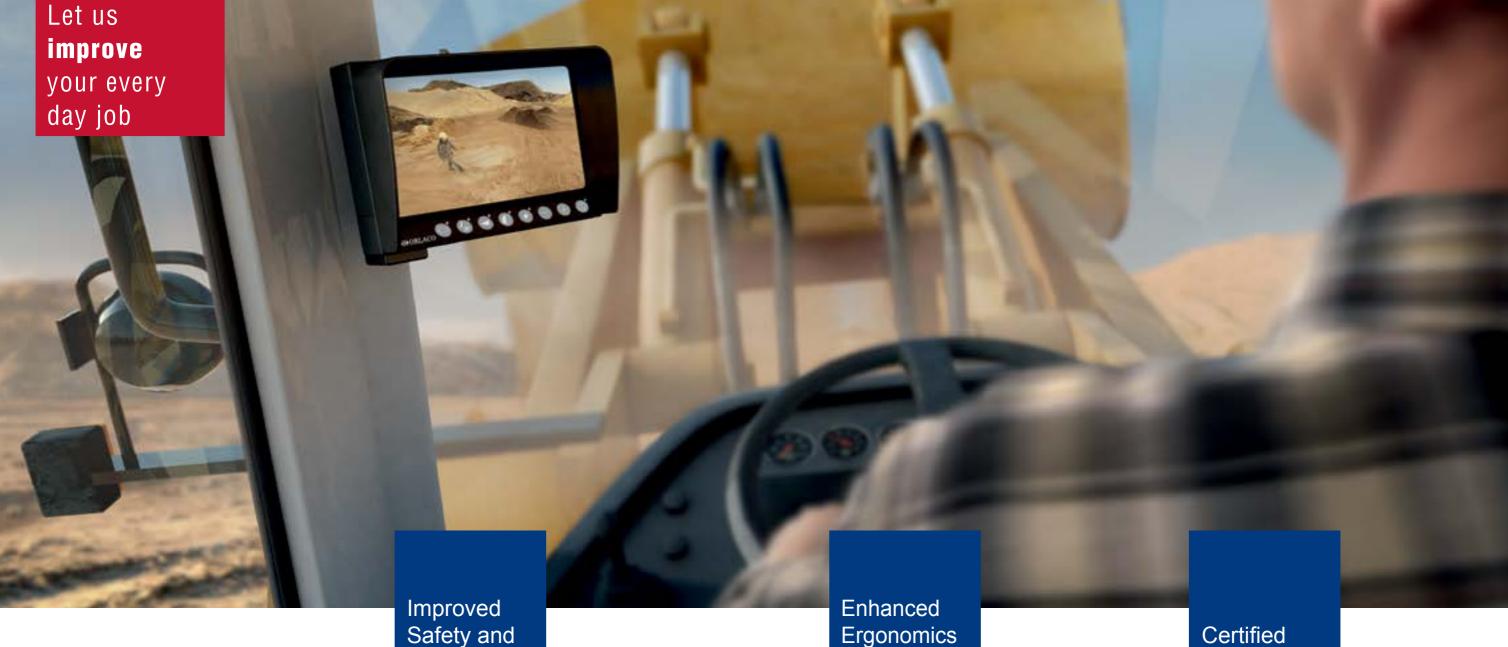
Why Orlaco?

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!





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.

Efficiency

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.

and 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.

Why Orlaco Why Orlaco

solutions

Earth moving sight





PAGE 16

Not only safe reversing, but also good vision when turning the machine. Available in analog and digital version. The analog system can also be used in combination with Toolview (page 18) or an analog Sideview. (page 17)







Toolview

PAGE 18

Clear view on a certain process when direct vision is not possible. This can also be used in combination with an analog Rearview. (page 18)







PAGE 22

CornerEye offers a complete and detailed view of 270° of the area around the rear of an excavator. The system delivers HD digital image quality in real time.



ORLACO



Sideview / HD

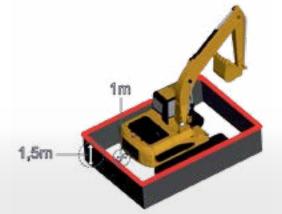






If you are continually turning, you cannot always see what is happening next to the machine. A Sidecam is then the solution. Available in analog and digital version. The analog system can also be used in combination with an

analog Rearview. (page 17)

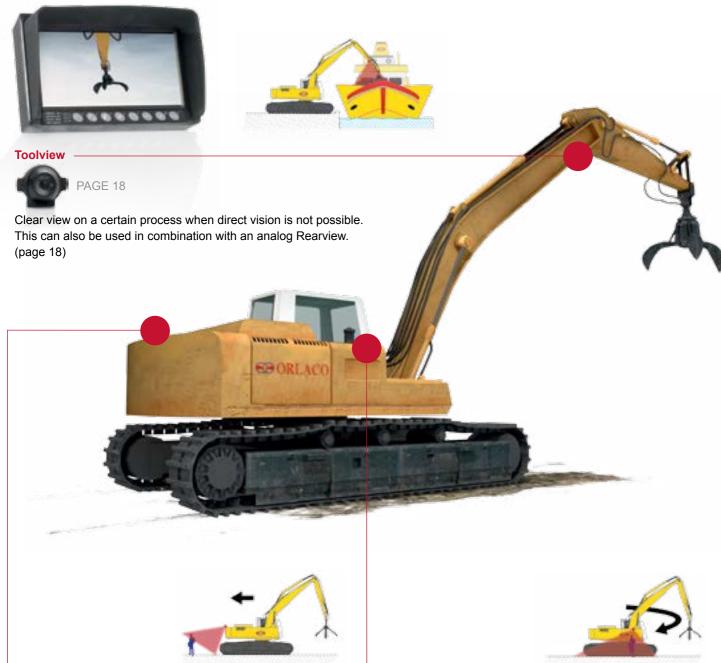


INFORMATION

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



8 Material Handler Wheel loader 9



Rearview / HD





Not only safe reversing, but also good vision when turning the machine. Available in analog and digital version. The analog system can also be used in combination with Toolview (page 18) or an analog Sideview. (page 17)



Sideview / HD





PAGE 16

If you are continually turning, you cannot always see what is happening next to the machine. A Sidecam is then the solution. Available in analog and digital version.

The analog system can also be used in combination with an analog Rearview. (page 17)



Toolview



PAGE 18

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





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

Rearview / HD



PAGE 16

Not only safe reversing, but also good vision when turning the machine. Available in analog and digital version.

Recommendation: Add RadarEye to increase safety & efficiency. (see page 32-33)





Toolview

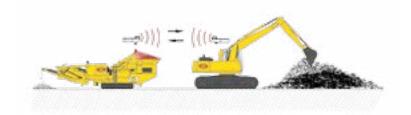


PAGE 18

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 34)







Off-highway truck 11 10 Articulated dump truck

CornerEye

PAGE 22

CornerEye offers a complete and detailed view of 270° of the area around the cabin. The system

delivers HD digital image quality in real time.



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







PAGE 16

Not only safe reversing, but also good vision when turning the machine. Available in analog and digital version. The analog system can also be used in combination with an analog Sideview. (page 17)

Recommendation: Add RadarEye to increase safety & efficiency. (see page 32-33)







Roundview





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

Recommendation:

Add RadarEye to increase safety & efficiency. (see page 32-33)









Sideview / HD





If you are continually turning, you cannot always see what is happening next to the machine. A Sidecam is then the solution. Available in analog and digital version.

The analog system can also be used in combination with an analog Rearview. (page 17)







Surroundview



Surround view offers 360 degrees visibility surrounding a vehicle. It gives the driver maximum visibility on all sides of the truck via one central monitor. This is due to the camera images overlapping. Therefore the driver is able to see every person and object around his vehicle.

Contact Orlaco for more information regarding Surround view.

Vision solutions Vision solutions 12 Telehandler Scraper 13



Toolview



PAGE 18

Clear view on a certain process when direct vision is not possible. This can also be used in combination with an analog Rearview. (page 18)





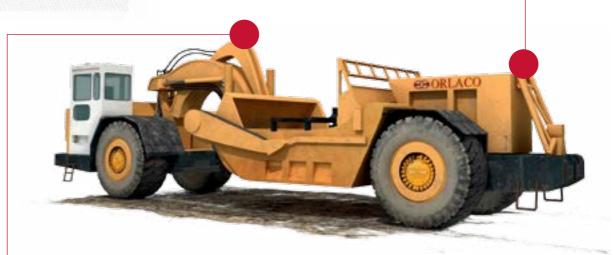
Rearview / HD





PAGE 16

Not only safe reversing, but also good vision when turning the machine. Available in analog and digital version. The analog system can also be used in combination with Toolview. (page 18)



Bulldozer

Rearview / HD





PAGE 16

Not only safe reversing, but also good vision when turning the machine. Available in analog and digital version. The analog system can also be used in combination with Toolview. (page 18)



Toolview



PAGE 18

Clear view on a certain process when direct vision is not possible. It can also be used in combination with an analog Rearview. (page 18)







Vision solutions

Motor grader

14 Vibratory soil compactor Skid steer loader 15







Not only safe reversing, but also good vision when turning the machine. Available in analog and digital version.

Recommendation:

Add RadarEye to increase safety & efficiency. (see page 32-33)













Not only safe reversing, but also good vision when turning the machine. Available in analog and digital version.



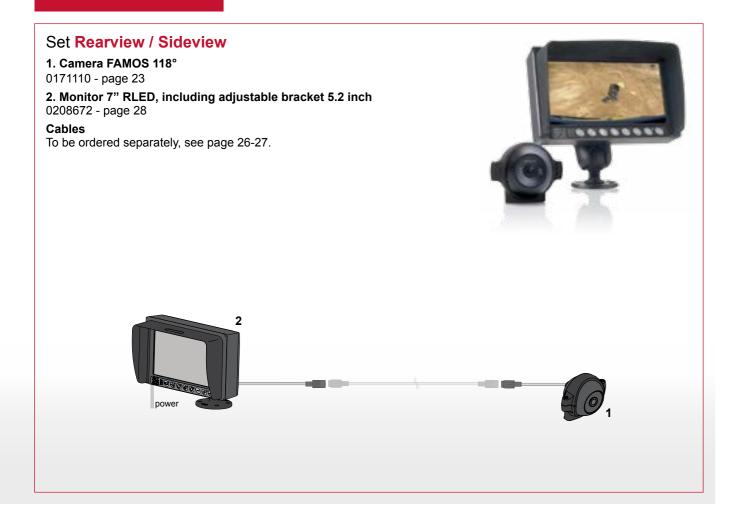


Backhoe loader





Vision solutions Vision solutions



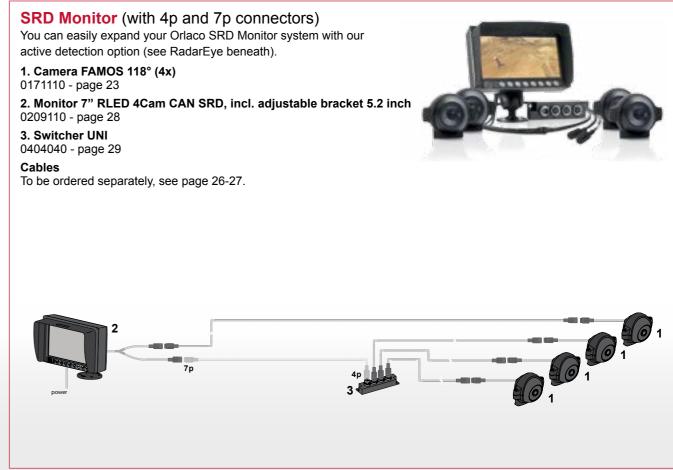


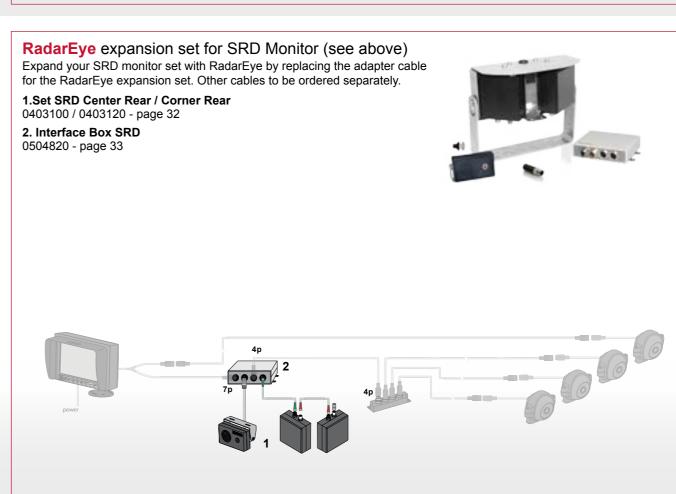












SETS





1. Camera FAMOS 118° (4x)

0171110 - page 23

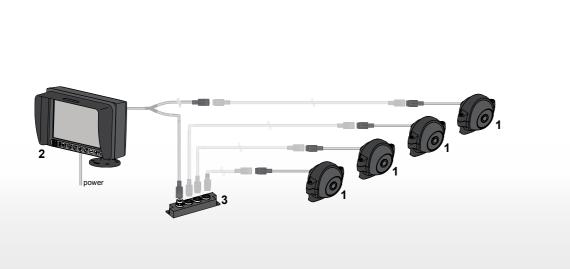
2. Monitor 7" RLED 4Cam, including adjustable bracket 5.2 inch 0208612 - page 28

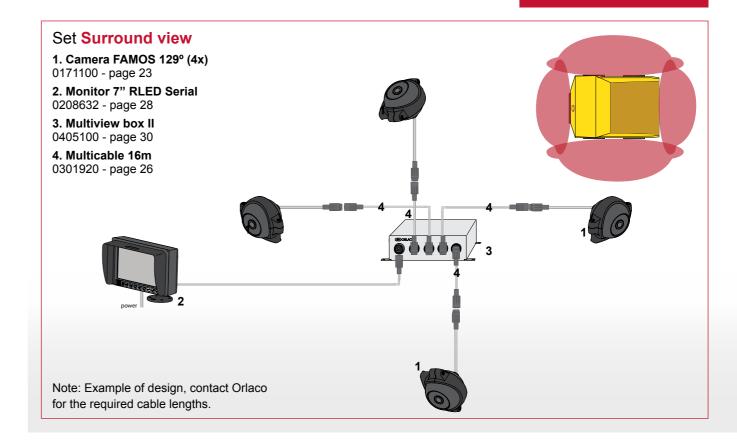
3. Switcher UNI

0404040 - page 29

Cables

To be ordered separately, see page 26-27.





Surround view



Three hundred and sixty degrees of visibility around a vehicle increases safety. The dimensions of a truck make it hard for a driver to get a complete overview of what is happening around his vehicle. Surround view gives him that overview. While manoeuvring, Surround view gives the driver maximum visibility on all sides of the truck via a single central monitor. The camera images overlap, allowing the driver to see every person and all objects around his vehicle. This greatly increases safety and efficiency. At street level, the surrounding area of the vehicle is clearly visible, even the corners. People and objects captured on the camera are shown in real size. This gives the driver an immediate, clear overview of the situation.

- Surround view can be applied on any type of vehicle.
- · Increased visibility when manoeuvring in narrow spaces and busy areas.
- Images available: 180°, 270° or 360°.
- Surround view offers an overview of objects and people around a vehicle. They are always visible, thanks to overlapping camera images.
- Suitable for both 7" and 12" Orlaco monitors.
- Operating temperature between -40° and +85°C.
- A maximum of four different overviews can be programmed.
- · No time-consuming calibration of cameras.
- Surround view can be designed and programmed in accordance with the customer's wishes.
- · Contact Orlaco for more information and advice.



Forward manoeuvring



Set CornerEye 1. Set HMOS camera with CornerEye bracket 0185610 - page 22 a. Camera HMOS 180° b. CornerEye Bracket 2. Monitor HLED 10" MR1 0224000 - page 28 3. Monitor Bracket A pillar 0402610 - page 38 3. Digicoax cable Make your choice - page 27

CornerEye delivers a real-time field of vision of 270°



Get excellent view on blind spots around heavy equipment with the revolutionary CornerEye camera monitor system. Ultimate digital technology and an effective application deliver a unique vision solution. The system has a wide angle lens that, combined with the latest technology, delivers a field of vision of 270°. An ideal solution for rear or side view on a vehicle.

- HD camera and 10" HD monitor
- 270° field of vision
- · Real time: zero latency
- · Shock and vibration proof
- · Ruggedized design
- Designed to comply with automotive requirements
- · Camera IP69K watertight
- · Short mounting time
- · Custom made bracket per brand on request





0185610 Set HMOS with bracket

• Including camera HMOS 180

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

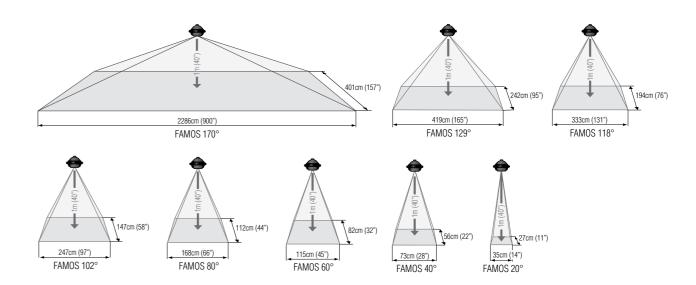
It is also possible to configure your system online on our website: www.orlaco.com

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 FAMOS Compact Cameras

- · Next generation CMOS sensor
- · Light sensitivity 0.05 lux
- Integrated Safety ticker to show that camera is running and active
- Optimized impact- and vibrationresistance
- Chemically hardened lens
- Automotive molding-filled housing, watertight IP69K according to DIN 40050-9
- · Improved EMC-standards
- Operating temperature between -40°F to +185°F
- 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 watertight molded 4p male connector



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° 0171110 0171010 118° MIRROR 0171210 0171230 129° 0171000 0171100 170° 0171070 0171170



Camera FAMOS MIRROR SW1

Camera with mirrored image and guiding lines.

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



Cameras FAMOS IR LED

Day-night camera including 4 High Power Infrared LEDs 850nm. The IR LED's will be automatically activated. Based on the output of the CMOS sensor the IR illumination value will be set to ensure the best possible image.

Туре	Art. no. PAL	Art. no. NTSC
80°	0171610	0171630
118°	0171600	0171620
118° MIRROR	0171900	0171910

· UV-transparent front cover



Cameras AMOS ATVC Set (All Time Vision Camera)

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

Туре	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 AMOS CPH

Robust camera for mounting on a vulnerable position.

Туре	Art. no. PAL	Art. no. NTSC
51°, 0.66ft cable	0199710	0199740
51°, 1.97ft cable	0199700	0199730



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

The additional qualifications of our High Definition Digital Cameras

- 1280 x 960 video image
- resistance
- Light sensitivity 0.1 lux
- Excellent EMC performance 100 V/m

Cameras HMOS

Compact, industrial high definition camera.

Туре	Art. no.
30°	0185040
60°	0185030
90°	0185020
120°	0185010
180°	0185000

- With 0,5m cable including a digicoax waterproof molded 4p male connector
- · Including camera bracket



Cameras EMOS

Low latency, high definition ethernet camera specifically designed for onboard computer systems.

Туре	Art. no.
30°	0186040
60°	0186030
90°	0186020
120°	0186010
180°	0186000

- Image streaming in MJPEG or H.264
- Total system latency less than 100ms
- Communication according to ISO 17215 protocol



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°F to +185°F

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	3.3ft	(1 m)
0301870	6.6ft	(2 m)
0301890	9.8ft	(3 m)
0301880	16.4ft	(5 m)
0301910	24.6ft	(7,5 m)
0301930	26.2ft	(8 m)
0301950	29.5ft	(9 m)
0301900	36.1ft	(11 m)
0301920	52.5ft	(16 m)
0301940	68.9ft	(21 m)
0301990	131.2ft	(40 m)



Including 7p molded connectors:

0304420	1.6ft	(0,5 m)
0302820	3.3ft	(1 m)
0304260	6.6ft	(2 m)
0304410	19.7ft	(6 m)
0304610	36.1ft	(11 m)
0304620	52.5ft	(16 m)
0305030	68.9ft	(21 m)



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 inc	Diaea connecto	15.
0303342	4.9ft	(1.5 m)
0303352	9.8ft	(3m)
0303472	16.4ft	(5 m)
0303362	24.6ft	(7,5m)
0303372	29.5ft	(9 m)
0303482	36.1ft	(11 m)
0303492	52.5ft	(16 m)
0305021	65.6ft	(20 m)
0305011	91.9ft	(28 m)



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	1.6ft	(0,5 m)
0304281	3.3ft	(1 m)
0305341	11.5ft	(3,5 m)
0304341	16.4ft	(5 m)
0304381	19.7ft	(6 m)
0304391	26.2ft	(8 m)
0304431	29.5ft	(9 m)
0304441	32.8ft	(10 m)
0301811	36.1ft	(11 m)
0304451	39.4ft	(12 m)
0301731	45.9ft	(15 m)
0301831	65.6ft	(20 m)



Including 7p connectors:

	P	
0304460	9.8ft	(3 m)
0304470	13.1ft	(4 m)
0304480	16.4ft	(5 m)
0304490	26.2ft	(8 m)
0304560	29.5ft	(9 m)
0304570	32.8ft	(10 m)
0304580	36.1ft	(11 m)
0304590	55.8ft	(17 m)



Designed for use with HMOS cameras.

Including digicoax molded connectors:

_	•	
0311000	3.3ft	(1 m)
0311010	6.6ft	(2 m)
0311020	9.8ft	(3 m)
0311030	16.4ft	(5 m)
0311040	24.6ft	(7,5 m)
0311050	26.2ft	(8 m)
0311060	29.5ft	(9 m)
0311070	36.1ft	(11 m)
0311080	52.5ft	(16 m)
0311090	68.9ft	(21 m)
0311100	131.2ft	(40 m)



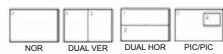


The possibilities offered by Orlaco LED monitors

- Automotive 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
- · Brightness automatically adjusts to

the ambient light

- Full On-Screen-Display (OSD) in 13 languages
- · Watertight molded connectors
- · Multiple view options for 12" monitor





Monitor 10" HLED



Monitor 7" RLED (Incl. 132mm bracket) Monitor 12" RLED (Incl. 190mm bracket)

......

Monitors RLED

- · High resolution pixel WVGA 800xRGBx480
- Input Voltage 12...60V/DC +/-10%
- · Option of a marker line per camera on the screen for the optimum determination of distance
- IP67 according to IEC 60529
- · Integrated sun visor

Туре	Video cable / connector	Power cable	Bracket	Art. no.
7"	6.6ft / 4p female	6.6ft open wired	5.2 inch	0208603
7" 4Cam	6.6ft Y-split / 4p female	6.6ft open wired	5.2 inch	0208612
7"	13.1ft / 4p female	13.1ft open wired	standard	0208681
7"	13.1ft / 4p female	13.1ft open wired	5.2 inch	0208672
7" Serial	19.7ft / 7p female	19.7ft open wired	5.2 inch	0208632
7" CAN SRD	19.7ft / 7p female	19.7ft open wired	5.2 inch	0208871
7" 4Cam CAN SRD	6.6ft Y-split / 4p-7p female	3.3ft open wired	5.2 inch	0209110
12"	13.1ft / 4p female	13.1ft open wired	7.5 inch	0411000
12" 4Cam	6.6ft Y-split / 4p female	6.6ft open wired	7.5 inch	0411040
12" 4Cam Serial	6.6ft Y-split / 4p female	6.6ft open wired	7.5 inch	0411170
12" Serial	19.7ft / 7p female	19.7ft open wired	7.5 inch	0411130
12" CAN	19.7ft / 7p female	19.7ft open wired	7.5 inch	0411200
12" CAN SRD	19.7ft / 7p female	19.7ft open wired	7.5 inch	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 29)

CAN Two dedicated wires are suitable for CAN bus communication. **CAN SRD** Specially designed for RadarEye systems. (see page 32-33)

Serial For serial connection (Zoom cameras, MultiView box).

Monitors HLED

- · High resolution pixel WXGA 1280xRGBx800
- Input Voltage 12V / 24V/DC
- IP54 according to IEC 60529
- molded female coax connector

0224000 Monitor 10" HLED

• 1m multi cable (power) open wired, 1m multi cable (video) including 4p

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





0404300 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 12.6ft power cable
- Please contact Orlaco for the appropriate cables



Power supply

0004601 Power supply 9-36V

- · Maximum cable length 656ft
- Power input 9-36V/DC
- Power output 12V/DC



Video distributor

0407001 Orlaco video distributor For connecting a second and third Orlaco monitor.

- 7 32 V/DC
- · Cables and connectors are not included



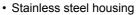
Orlaco IP SmartView

0060310 Licence Smartview software

View and control of cameras over TCP/IP or a local computer

- Support H.264 digital video codec
- · Multiple display settings (full, split, quadviews, 8 and 16 cams
- · 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

Multiview



· Serial Orlaco Monitor needed

0405100 MultiView box II

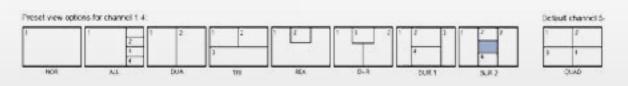
• 4 camera inputs (4x Compact Camera)

0405110 MultiView box II

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

0405300 Quad Box II 4Cam

- 4 camera inputs (4x Compact Camera)
- · Stainless steel housing
- · Serial Orlaco Monitor needed
- Including powercord



Digital video recorder

0000300 DVR one channel

Digital video recorder with one camera input and one video output

- Can be used with a compact camera (4p) or serial camera (7p)
- Video loop function
- 9-30V/DC
- Automatic timestamp
- Including 32GB SDHC-card for max 72 hours of storage and SD-card reader



0000250 DVR Multi view

Digital video recorder with four camera inputs and one video output with multiview options.

- Suitable for compact cameras (4p)
- Including 128GB 80 MB/s SDXC-card for max 72 hours of storage



0000260 DVR 4Cam

Digital video recorder with four camera inputs and four video outputs.

- Suitable for compact cameras (4p)
- Including 128GB 80 MB/s SDXC-card for max 72 hours of storage



Push button

8975760 Push button yellow

For manually switching between cameras.



Joystick

0506500 Joystick

- Built-in, IP40
- Operating temperature between -22°F to +167°F
- Telemanique



Products Products

RadarEye unites visibility and active detection



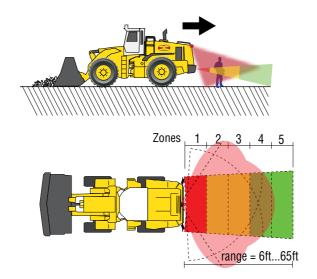
Orlaco has developed this radar unit in addition to the camera-monitor systems. By combining the vision solution with an active signaling system, RadarEye offers additional safety and efficiency.

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.

You Tube

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
- 6.6...65.6ft detection area, divided in 5 equally sized segments
- Separation distance: 3.3 -13.1ft (configurable)
- Antenna beam horizontal: 70°(typ.), vertical: 11°(typ.)
- Operating temperature between -40°F to +185°F
- Obstacle reaction delay 50ms
- Orlaco Monitor CAN SRD is required (see page 28)
- RadarEye can be extended with multiple sensor and camera units for all around detection and visibility
- · Please contact Orlaco for advice and installation





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)
- · Cables, camera and monitor CAN SRD are not included



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)
- Cables, camera and monitor CAN SRD are not included

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 3.3ft



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	16.4ft (5 m)	0301060	32.8ft (10 m)
0301070	45.9ft (15 m)	0301120	65.6ft (20 m)
0301130	82.0ft (25 m)	0301140	98.5ft (30 m)

Cable M12 Master-Slave Red

Connection cable between master SRD sensor and slave SRD sensor.

0301080	0.8ft (0,25 m)	0301020	3.3ft (1 m)
0301030	13.1ft (4 m)	0301040	26.2ft (8 m)
0301090	52.5ft (16 m)		



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

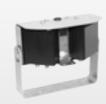
0350110 M12 Terminator 120 Ohm

120 Ohm resistor for terminating CAN bus.

















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 492ft (dependent on surroundings)







- Directional antenna with vertical orientation
- Maximum range 984ft (dependent on surroundings)









Split cable (6.6ft)

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)



Cable per metre (without connectors)

1220110 Multicable 1x coax, 2x power, 1x data

1220170 Multicable 1x coax, 5x wires

1220280 Multicable armored 1x coax, 5x wires

1220350 Multicable 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 35)

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/RCA

(if OEM monitor is used)

0304090 Adapter cable HMI monitor Fendt



Connectors

1310841 Connector 4p female Gold

· Recommended for multicable

1312001 Connector 4p male Gold

· Recommended for multicable

1310850 Connector 4p female PG9 Gold

• Recommended for dynamic and armored cable

1312050 Connector 4p male PG9 Gold

· Recommended for dynamic and armored cable



Bulkhead Connectors

· Suitable for lead-through on bodywork

0357011 Bulkhead connector 4p

0357051 Bulkhead connector 7p





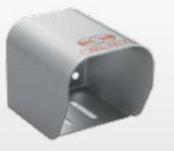


Mounting means

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 6.1 inch

0402270 Camera extension 9.8 inch



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.



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.



2015750 Ball joint with connection plate

2015710 Ball joint 3/8" thread







2015900 Ball joint double



2015700 Adjustable mounting bracket 3/8" UNC • Length 5.1inch

2015500 Adjustable mounting bracket • Length 5.2 inch

2015600 Adjustable mounting bracket • Length 7.5 inch



2015510 Arm component 3.5 inch

2015800 Arm component 5.7 inch



0402610 Monitor Bracket A Pillar
• Suitable for Monitor 10" HLED

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 Inc Headquarters North America

- 33 Confederate Avenue Jasper, GA 30143 United States
- Phone +1 706 301 9227
- infoNA@orlaco.com
- www.orlaco.com

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















Check our website for all our brochures (pdf).

