RF SYSTEMTECHNIK

2026

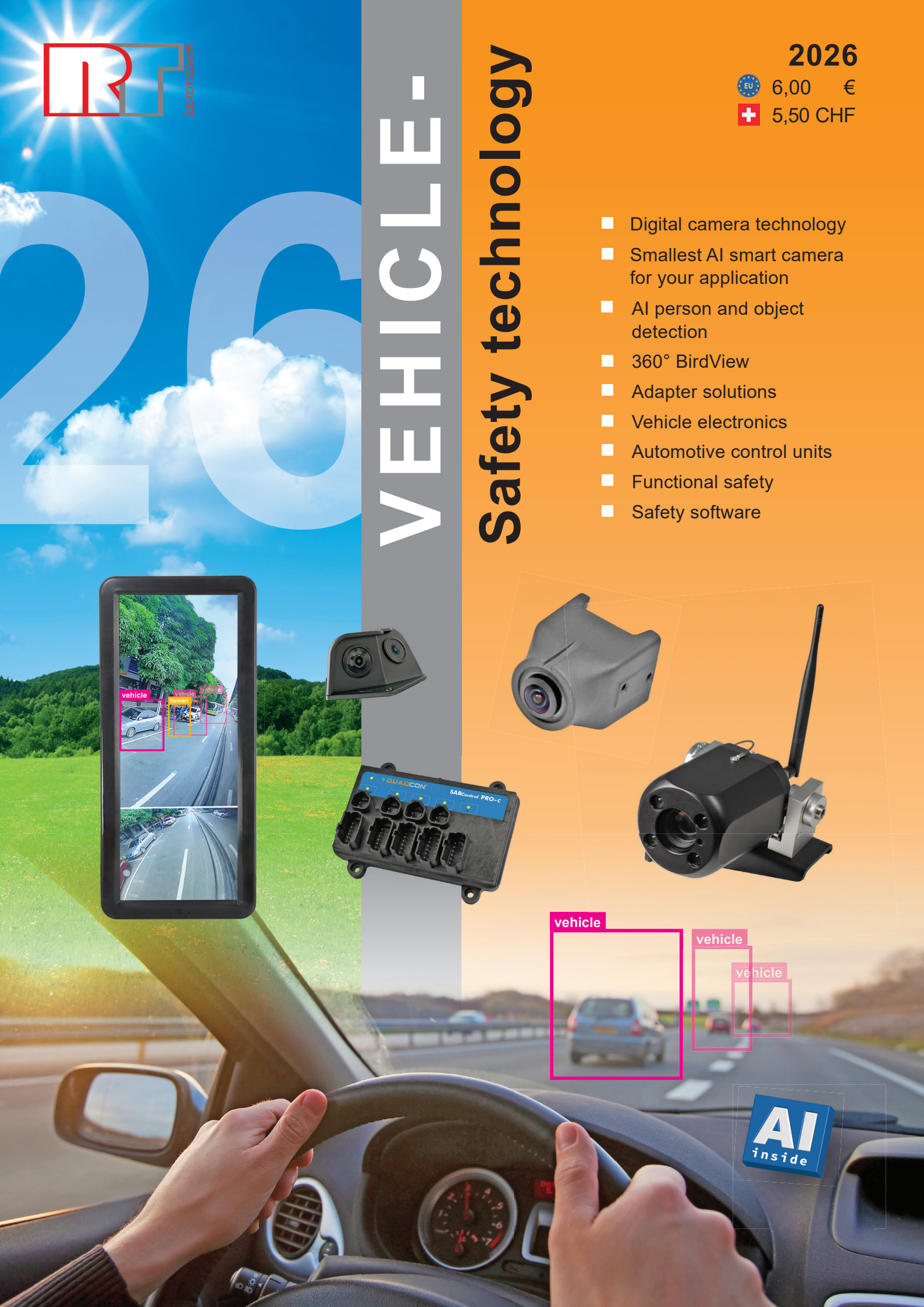
EU 6,00 €

5,50 CHF

VEHICLE-

Safety technology

- Digital camera technology
- Smallest AI smart camera for your application
- AI person and object detection
- 360° BirdView
- Adapter solutions
- Vehicle electronics
- Automotive control units
- Functional safety
- Safety software



RT-Systemtechnik GmbH

IInnovative Electronic Solutions for the Highest Demands

For more than 30 years, we have been delivering advanced electronic solutions for the agricultural and construction machinery industries, as well as for special-purpose vehicles and municipal equipment.

As one of the leading OEM suppliers in these markets, we develop and manufacture intelligent systems that set industry benchmarks.

Our core expertise lies in the in-house development and production of electronic control units, operator interfaces, and controllable camera systems. This enables us to create solutions that not only excel technically but are also precisely tailored to the individual requirements and needs of our customers.

Flexibility, innovation, and uncompromising quality define everything we do, from the initial concept through to series production. Together with our partners, we develop technologies that enhance efficiency, improve safety, and help shape the future.

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Partnership

We place the utmost importance on a trusting and collaborative partnership. Open dialogue, mutual respect, and honest communication are the foundation of successful projects for us.

Advantage

Staying one step ahead is our goal. With in-depth expertise and state-of-the-art processes, we secure decisive competitive advantages – and pass these advantages directly on to our customers.

Innovative

New thinking, a holistic perspective, and the courage to take unconventional paths make us innovative. We recognize potential, embrace challenges, and develop customized solutions – even for complex tasks.

Experienced

With over 30 years of experience, we combine the expertise of seasoned specialists with the dynamism of young talent. Through training, education, and the development of young professionals, we ensure the quality of our products and the future of our company.

Family-oriented

As an owner-managed company, people are at the heart of everything we do. Fairness, respect, and a sense of responsibility shape our corporate culture. We create space for creativity, personal responsibility, and satisfied employees.

Technical

At our headquarters in Rheine, we have state-of-the-art production facilities and a highly developed development center. Equipped with the latest measurement and analysis technology, they form the basis for precise, efficient, and future-oriented products.

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Monitors

Mirror monitor MLS-42M

Art.-No: 650679



- ✓ **4.3“ rear-view mirror monitor**
- ✓ **2 camera inputs / triggers**
- ✓ **12 / 24 V DC**

Description:

- PAL/NTSC: Automatic switching
- Resolution: 480 × 272 pixels
- Brightness: 800 cd/m², Contrast: 500:1
- Viewing angle: top 60° / bottom 70° / sides 75°
- Automatic dimming
- On-screen distance markers
- Switchable: mirror / normal view
- Multilingual menu
- Vibration resistance: 2.8G
- Operating temperature: -20 to +70°C
- Dim.: W 280 / H 92 / D 31 mm, Weight: 330 g

5" monitor MLS-53

Art.-No: 650675



- ✓ **5“ 16:9 LCD digital monitor**
- ✓ **3 camera inputs / trigger**

Description:

- PAL/NTSC: Automatic switching
- Resolution: 800 × 480 pixels
- Brightness: 350 cd/m², Contrast: 500:1
- Viewing angle: Top 50° / Bottom 70° / Side 70°
- Built-in speaker, adjustable trigger delay, automatic dimming, on-screen distance markers
- Switchable: Mirror / Normal view
- Anti-glare screen
- Multi-language menu
- Vibration resistance: 2.8G
- Operating temperature: -20 to +70°C
- Dimensions: W 138 / H 103 / D 26 mm, Weight: 230 g

7" monitor MLS-73

Art.-No: 650674



- ✓ **7“ LCD digital monitor**
- ✓ **3 camera inputs / triggers**
- ✓ **12/24V DC**

Description:

- PAL/NTSC: Automatic switching
- Resolution: 800 × 480 pixels
- Brightness: 400 cd/m², Contrast: 500:1
- Viewing angle: top 50° / bottom 70° / sides 70°
- Integrated speaker, adjustable trigger delay, automatic dimming, on-screen distance markers
- Switchable: mirror / normal view
- Anti-glare screen
- Multi-language menu
- Vibration resistance: 7G
- Operating temperature: -20 to +70°C
- Dimensions: W 213 / H 138 / D 41 mm
- Weight: 620 g

7" monitor MLX-73S

Art.-No: 650677



- ✓ **7“ LCD digital monitor**
- ✓ **3 camera inputs / trigger**
- ✓ **12/24V DC**

Description:

- Suitable for 1 shutter + 2 rear-view cameras
- Resolution: 800 × 480 pixels
- Brightness: 400 cd/m², Contrast: 500:1
- Viewing angle: top 50° / bottom 70° / sides 70°
- Integrated speaker, automatic dimming, on-screen distance markers
- Switchable: mirror / normal view
- Anti-glare screen
- Vibration resistance: 7G
- Multilingual menu
- Operating temperature: -20 to +70°C
- Dimensions: W 213 / H 138 / D 41 mm
- Weight: 620 g

Monitors

7" monitor
MLX-73BS

Art.-No: 651255



- ✓ **7“ digital LCD monitor**
- ✓ **3 camera inputs / simple split-screen function/ no trigger wires**
- ✓ **12 / 24 V DC**



Description:

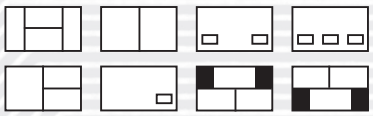
- AHD/PAL/NTSC: Automatic switching
- Resolution: 1024 × 600 pixels
- Brightness: 600 cd/m², Contrast: 700:1
- Viewing angle: 85° top / 85° bottom / 85° sides
- Automatic dimming
- Built-in speaker
- On-screen distance markers
- Switchable: Mirror / Normal view
- Anti-glare screen
- Multi-language menu
- Vibration resistance: 6.3G
- Operating temperature: -20 to +70°C
- Adjustable trigger delay
- Dimensions: W 182 / H 122 / D 28.7 mm
- Weight: 470 g

7" monitor
MLX-74TS

Art.-No: 650676



- ✓ **7“ digital LCD touchscreen monitor**
- ✓ **4 camera inputs / multi-view function**
- ✓ **12 / 24 V DC**



Description:

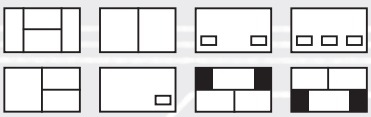
- PAL/NTSC: Automatic switching
- Resolution: 800 × 480 pixels
- Brightness: 400 cd/m², Contrast: 500:1
- Viewing angle: top 50° / bottom 70° / sides 70°
- Automatic dimming
- Built-in speaker
- On-screen distance markers
- Switchable: mirror/normal view
- Anti-glare screen
- Multi-language menu
- Vibration resistance: 7G
- Operating temperature: -20 to +70°C
- Adjustable trigger delay
- Dimensions: W 213 / H 138 / D 41 mm
- Weight: 630 g

7" monitor
MLX-74TS-WR

Art.-No: 650966



- ✓ **7“ digital LCD touchscreen monitor**
- ✓ **4 camera inputs / multi-view function**
- ✓ **12 / 24 V DC**



Description:

- PAL/NTSC: Automatic switching
- Resolution: 800 × 480 pixels
- Brightness: 400 cd/m², Contrast: 500:1
- Viewing angle: top 50° / bottom 60° / sides 70°
- Automatic dimming
- Built-in speaker
- On-screen distance markers
- Switchable: mirror / normal view
- Anti-glare screen
- Multi-language menu
- Operating temperature: -20 to +70°C
- Adjustable trigger delay
- Dimensions: W 200 / H 130 / D 35 mm
- Weight: 775 g

Cameras

CLS-120
Art.-No: 650680

CLS-120-NTSC
Art.-No: 650783



- ✓ **120° viewing angle**
- ✓ **IR LED for better night vision**

Description:

- 1/3“ CMOS image sensor
- Viewing angle: 95°, 70°, 120°
- Available in PAL or NTSC versions
- 500 TV lines, day/night sensor
- Automatic white balance
- Operating temperature: -20 to +60°C
- IP69K
- Dimensions: W 90 / H 67 / D 64 mm
- Weight: 380 g

CLX-120
Art.-No: 650681



- ✓ **IP69K**
- ✓ **Heating**
- ✓ **IR LED for better night vision**

Description:

- 1/3“ Sony CCD image sensor
- Viewing angle: 95°, 70°, 120°
- 420 TV lines, PAL
- Day/night sensor
- Automatic white balance
- Vibration resistance: 10G, IP69K
- Operating temperature: -20 to +70°C
- Dimensions: W 98 / H 72 / D 76 mm
- Weight: 475 g

CLX-170
Art.-No: 651057



- ✓ **IP69K**
- ✓ **Wide-angle camera**
- ✓ **IR LED for better night vision**

Description:

- 1/3“ Sharp CCD image sensor
- Viewing angle: 150°, 80°, 170°
- 600 TV lines, PAL
- Day/night sensor
- Automatic white balance
- Vibration resistance: 10G, IP69K
- Operating temperature: -30 to +70°C
- Dimensions: W 102 / H 80 / D 56 mm
- Weight: 320 g

Shutter camera CLX-120S-4 12-24V
Art.-No: 651550

CLX-120S 12-24V
Art.-No: 650888

CLX-120S-NTSC
Art.-No: 650703



- ✓ **Built-in heating**

Description:

- 1/3“ Sony CCD image sensor
- Viewing angle: 95°, 70°, 120°
- Available in PAL or NTSC versions
- 420 TV lines
- Day/night sensor
- Automatic white balance
- Vibration resistance: 5G, IP69K
- Operating temperature: -20 to +70°C
- Dimensions: W 85 / H 73 / D 65 mm
- Weight: 370 g

Cameras

Color camera CLX-120 EX

Art.-No: 651207





- ✓ **IP69K**
- ✓ **Explosion-proof**
- ✓ **6 IR LEDs for better night vision**

Description:

- 1/3.2“ CMOS image sensor
- Viewing angle: ↔ 100°, ↕ 80°, ↗ 130°
- Analog
- Day/night sensor
- Explosion-proof
- Vibration resistance: 10G, IP69K
- Operating temperature: -40 to +85°C
- Dimensions: W 96 / H 43 / D 65.5 mm
- Weight: 250 g

CM-200

Art.-No: 650795





- ✓ **IP69K**
- ✓ **Heating**
- ✓ **5 IR LEDs for better night vision**

Description:

- 1/4“ 960H color CCD image sensor
- Viewing angle: ↔ 110°, ↕ 80°, ↗ 140°
- 700 TV lines, PAL
- Automatic white balance
- Operating temperature: -30 to +70°C
- IP69K
- Dimensions: W 36.6 / H 27 / D 37.7 mm
- Weight: 100 g

Side camera CLX-SN150 Normal

Art.-No: 650688

CLX-SM150 Mirror

Art.-No: 650689





- ✓ **5 IR LEDs for better night vision**

Description:

- 1/3“ Sharp CCD image sensor
- Viewing angle: ↔ 110°, ↕ 100°, ↗ 150°
- 420 TV lines, PAL
- Day/night sensor
- Automatic white balance
- Vibration resistance: 10G, IP69K
- Operating temperature: -20 to +70°C
- Dimensions: W 59 / H 43 / D 73 mm
- Weight: 170 g

Spherical camera CLX-KN150 Normal

Art.-No: 650701

CLX-KM150 Mirror

Art.-No: 650702





- ✓ **5 IR LEDs for better night vision**

Description:

- 1/3“ Sharp CCD image sensor
- Viewing angle: ↔ 110°, ↕ 100°, ↗ 150°
- 420 TV lines, PAL
- Day/night sensor
- Automatic white balance
- Vibration resistance: 10G, IP69K
- Operating temperature: -20 to +70°C
- Dimensions: W 55 / H 48 / D 33 mm
- Weight: 120 g

Cameras

Spherical camera
CLS-KN120 Normal
Art.-No: 650685

CLS-KM120 Mirror
Art.-No: 650686



✓ **5 IR LEDs for better night vision**

Description:

- 1/3“ CMOS image sensor
- Viewing angle: 95°, 70°, 120°
- 420 TV lines, PAL
- Day/night sensor
- Automatic white balance
- Vibration resistance: 10G, IP69K
- Operating temperature: -20 to +70°C
- Dimensions: W 56 / H 48 / D 45 mm
- Weight: 125 g

Side camera
CLS-SN120 Normal
Art.-No: 650683

CLS-SM120 Mirror
Art.-No: 650684



✓ **5 IR LEDs for better night vision**

Description:

- 1/3“ CMOS image sensor
- Viewing angle: 95°, 70°, 120°
- 420 TV lines, PAL
- Day/night sensor
- Automatic white balance
- Vibration resistance: 10G, IP69K
- Operating temperature: -20 to +70°C
- Dimensions: W 53 / H 40 / D 90 mm
- Weight: 160 g

Camera for transporters
CLS-120T
Art.-No: 650954



✓ **IP68K**
✓ **9 IR LEDs for better night vision**

Description:

- 1/3“ CCD image sensor
- Viewing angle: 115°, 60°, 130°
- 600 TV lines, PAL
- Day/night sensor
- Automatic white balance
- Vibration resistance: 10G, IP68K
- Operating temperature: -20 to +70°C
- Dimensions: W 135 / H 60 / D 210 mm
- Weight: 300 g

Camera CLX-45
Art.-No: 650872



✓ **Cross-traffic camera**
✓ **IR LED for better night vision**
✓ **Built-in heater**

Description:

- 1/3“ Sony CCD image sensor
- Viewing angle: 35°, 25°, 45°
- 600 TV lines, PAL
- Day/night sensor
- Automatic white balance
- Vibration resistance: 10G, IP69K
- Operating temperature: -40 to +70°C
- Dimensions: W 96 / H 70 / D 75 mm
- Weight: 475 g

Monitors HD

7" monitor MLS-73 HD

Art.-No: 650849





- ✓ **7“ monitor**
- ✓ **3 camera inputs / trigger / 12 - 24 V DC**

Description:

- Resolution: 1024 × 600 pixels
- Brightness: 600 cd/m², Contrast: 800:1
- Viewing angle (top/bottom/side): 85° each
- Automatic dimming, integrated speaker
- Distance markings on screen
- Switchable: Mirror/Normal view
- Vibration resistance: 7G, IP20
- Operating temperature: -20 to +70°C
- Dimensions: W 193 / H 115 / D 30 mm (+ sun visor 68 mm)
- Weight: 720 g

7" monitor MLX-74 HD

Art.-No: 650850





- ✓ **7“ monitor with 4 camera inputs**
- ✓ **Trigger / split-view function / 12 - 24 V DC**

Description:

- Resolution: 1024 × 600 pixels
- Brightness: 600 cd/m², Contrast: 800:1
- Viewing angle (top/bottom/side): 85° each
- Automatic dimming, integrated speaker
- Distance markings on screen
- Switchable: Mirror/Normal view
- Vibration resistance: 7G, IP20
- Operating temperature: -20 to +70°C
- Dimensions: W 193 / H 115 / D 30 mm (+ sun visor 68 mm)
- Weight: 650 g

10" monitor MLX-104 HD

Art.-No: 650851





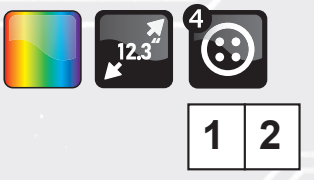
- ✓ **10“ monitor with camera inputs**
- ✓ **Trigger / split-view function / 12 - 24 V DC**

Description:

- Resolution: 1024 × 600 pixels
- Brightness: 600 cd/m², Contrast: 800:1
- Viewing angle (top/bottom/side): 85° each
- Automatic dimming, integrated speaker
- Distance markings on screen
- Switchable: Mirror/Normal view
- Vibration resistance: 7G, IP20
- Operating temperature: -20 to +70°C
- Dimensions: W 266 / H 160 / D 30 mm (+ sun visor 75 mm)
- Weight: 1190 g

7" monitor MLX-122 HD

Art.-No: 651451





- ✓ **12,3“ HD color monitor with 2 camera inputs**
- ✓ **Permanent split-view / image size 24:9**

Description:

- Resolution: 1920 × 720 pixels
- Contrast: 1000:1
- Brightness: 1000 cd/m²
- Viewing angle: 85° top / 85° bottom / 85° side
- Automatic dimming
- 2 camera inputs
- Switchable: mirror / normal view
- Operating temperature: -20 to +70°C
- Vibration resistance: max. 6.3G, IP20
- Dimensions: W 145 / H 330 / D 38 mm
- Weight: 1008 g

Cameras HD

Reversing camera
CLX-130 HD
Art.-No: 650848



- ✓ **130° viewing angle**
- ✓ **4 IR LED for better night vision**

Description:
- 1/2.9“ CMOS image sensor
- Viewing angle: ↔ 110°, ↕ 60°, ⤢ 130°
- AHD, 1000 TV lines
- Day/night sensor
- Automatic white balance
- Vibration resistance: 10G, IP69K
- Operating temperature: -20 to +70°C
- Dimensions: W 96 / H 70 / D 75 mm
- Weight: 470 g

Side camera
CLX-SM130 HD
Art.-No: 651447
CLX-SM150 HD
Art.-No: 651357



- ✓ **130° / 150° viewing angle / 6 IR LED**

Description:
- 1/2.9“ CMOS image sensor
- Viewing angle: ↔ 115°, ↕ 55°, ⤢ 130°
- or ↔ 130°, ↕ 70°, ⤢ 150°
- AHD, 1000 TV lines
- Day/night sensor
- 6 IR LEDs for improved night vision
- Automatic white balance
- Vibration resistance: 10G, IP69K
- Operating temperature: -20 to +70°C
- Dimensions: W 59 / H 43 / D 73 mm
- Weight: 170 g

Spherical camera
CLX-KM150 HD
Art.-No: 651354



- ✓ **150° viewing angle**
- ✓ **6 IR LED for better night vision**

Description:
- 1/2.9“ CMOS image sensor
- Viewing angle: ↔ 130°, ↕ 70°, ⤢ 150°
- AHD, 1000 TV lines
- Day/night sensor
- Automatic white balance
- Vibration resistance: 10G, IP69K
- Operating temperature: -20 to +70°C
- Dimensions: W 55 / H 48 / D 33 mm
- Weight: 170g

Camera for transporters
CLS-120T HD
Art.-No: 651287



- ✓ **IP68K**
- ✓ **9 IR LED for better night vision**

Description:
- 1/2.9“ CMOS image sensor
- Viewing angle: ↔ 110°, ↕ 60°, ⤢ 125°
- AHD, 1000 TV lines
- Day/night sensor
- Automatic white balance
- Vibration resistance: 10G, IP68K
- Operating temperature: -20 to +70°C
- Dimensions: W 135 / H 60 / D 210 mm
- Weight: 300 g

Camera HD
Switching & split boxes

Camera Scania
CM-150 HD Mirror
Art.-No: 651486

CM-150 HD Normal
Art.-No: 651547





✓ **30G vibration / metal housing**

Description:

- 1/3“ WDR CMOS image sensor
- Viewing angle: 154°, 87°, 177°
- AHD
- IR LED
- Automatic white balance
- Vibration resistance: 30G, IP69K
- Operating temperature: -20 to +70°C
- Dimensions: W 135 / H 60 / D 210 mm
- 5 - 24V (max. 30V)
- Weight: 35 g

Trailer switch box
Art.-No: 650847

Trailer switch box for shutter cameras
Art.-No: 651177





✓ **Automatic switching to trailer camera**

Description:

- Switching box with 2 × RT 4-pin camera inputs and one monitor output
- Automatic switching between tractor and trailer camera (priority switching) in combination with TLC-4 disconnect point Page 12/13

- Switching box with 2 × RT 5-pin camera inputs and one monitor output
- Automatic switching between tractor and trailer camera (priority switching) in combination with TLC-5 disconnect point Page 12/13

SVB-02 split box for 2 cameras on one monitor
Art.-No: 650891





✓ **Display of 2 camera images simultaneously**

Description:

- Split box for 2 × RT 4-pin cameras
- Display of 2 camera images simultaneously side-by-side on the monitor
- Individual camera display on the monitor is also possible

Display options:



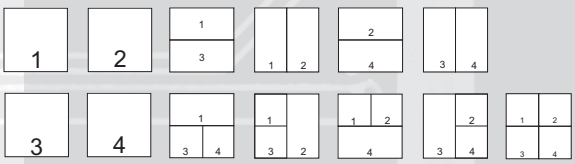
SVB-04 split box for 4 cameras on one monitor
Art.-No: 651263







Display options:



Cable

Camera extension cable 4Pol

KL-401 camera extension cable 1 m Art.-No: 650690
KL-405 camera extension cable 5 m Art.-No: 650691
KL-410 camera extension cable 10 m Art.-No: 650692
KL-415 camera extension cable 15 m Art.-No: 650693
KL-420 camera extension cable 20 m Art.-No: 650694

Description:

- For standard camera systems





HD camera extension cable 4Pol

KL-405 HD camera cable 5 m Art.-No: 650852
KL-410 HD camera cable 10 m Art.-No: 650853
KL-415 HD camera cable 15 m Art.-No: 650854
KL-420 HD camera cable 20 m Art.-No: 650855

Description:

- For HD camera systems





Shutter camera extension cable 5Pol

KL-501 shutter camera cable 1 m Art.-No: 650808
KL-505 shutter camera cable 5 m Art.-No: 650695
KL-510 shutter camera cable 10 m Art.-No: 650696
KL-520 shutter camera cable 20 m Art.-No: 650697

Description:

- For shutter camera systems





M12 camera extension cable 5 m 5Pol

Art.-No: 651365

M12 camera extension cable 10 m 5Pol

Art.-No: 651366

Description:

- For camera systems





HSD extension cable 5 m

Art.-No: 651461

HSD extension cable 10 m

Art.-No: 651462

Description:

- For camera systems



MAN-compatible

Cables, acessories & disconnect points

MiniDIN screw-lock camera cable
3 m 4Pol Art.-No: 651478

MiniDIN screw-lock camera cable
5 m 4Pol Art.-No: 651362

MiniDIN screw-lock camera cable
10 m 4Pol Art.-No: 651569

Description:

- For camera systems



4

Extension cable Fakra Z-coded 2 m
Art.-No: 651477

Extension cable Fakra Z-coded 5 m
Art.-No: 651457

Extension cable Fakra Z-coded 10 m
Art.-No: 651476

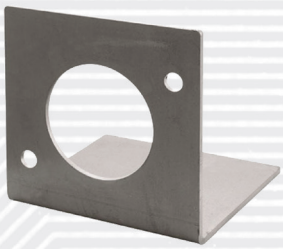
Mercedes-compatible

Description:

- For camera systems



Mounting bracket for disconnect sockets
Art.-No: 651059



Description:

- Mounting bracket suitable for TLC-4 or TLC-5 dissconnect points
- custom drilling possible
- W/L/H: 10 × 10 × 10 cm
- Material: Aluminum

TLC-5-Z socket tractor 5Pol camera cable
Art.-No: 650710 without T-output
Art.-No: 651009 with T-output

TLC-5-S S-spiral cable
Art.-No: 650711

TLC-5-A socket trailer 5Pol camera cable
Art.-No: 650712 without T-output
Art.-No: 651010 with T-output



For shutter camera systems

Description:

- **With automatic trailer detection & trigger output (T-output) for image switching**
- Socket for cab & cab-side camera connection
- Spiralkabel
- Trailer socket & trailer-side camera connection

5

Disconnect points

TLC-4-Z socket tractor 4Pol camera cable
Art.-No: 650707

TLC-ABS spiral cable
Art.-No: 650708

TLC-4-A socket trailer 4Pol camera cable
Art.-No: 650709

TLC-4-ABS connector with 5 m 4Pol camera cable
Art.-No: 651113



Description:

- **With automatic trailer detection & trigger output for image switching**
- Socket for cabin and cabin-side camera connection
- Spiral cable
- Socket for trailer and trailer-side camera connection



TLC-5-Z-4P
Art.-No: 650770

TLC-5-S S-spiral cable
Art.-No: 650711

TLC-5-A-4P
Art.-No: 650771



Description:

- Socket for cabin & cabin-side camera connection
- Spiral cable
- Trailer socket & trailer-side camera connection



TLC-4-Z-2 socket tractor 4Pol camera cable
Art.-No: 650900

TLC-4-S-2 S-spiral cable
Art.-No: 650869

TLC-4-A-2 socket trailer 4Pol camera cable
Art.-No: 650901

TLC-5-S connector
Art.-No: 651499



Description:

- **For 2 camera signals (also suitable for cross-traffic monitoring)**
- Socket for cabin and cabin-side camera connection
- Spiral cable
- Trailer socket & trailer-side camera connection
- 2-way with camera cable (2 m)



TLC-4-Z-3 socket tractor 4Pol camera cable
Art.-No: 650868

TLC-4-S-2 S-spiral cable
Art.-No: 650869

TLC-4-A-3 socket trailer 4Pol camera cable
Art.-No: 650870



Description:

- **For 3 camera signals**
- Socket for cabin and cabin-side camera connection
- Spiral cable
- Trailer socket & trailer-side camera connection



Disconnect points

10 m Cabin cable on RT monitor or adapter
1-way Art.-No: 651181
2-way Art.-No: 651074

Spiral cable
Art.-No: 651070

15 m trailer cable on CLS-/CLX camera
1-way Art.-No: 651182

20 m trailer cable
1-way Art.-No: 651534
2-way Art.-No: 651421



Description:

- Identical to Orlaco (SCANIA) disconnect point
- Cabin cable
- Spiral cable
- Trailer cable

4

MLS-/MLX monitor on power outlet 13-pol
Art.-No: 651131

Connector 13-pol on CLS-/CLX camera
Art.-No: 651132



Description:

- **Compact camera disconnect point**
- Socket for cabin and cabin-side camera connection
- Connector for trailer and trailer-side camera connection

4

MLS-/MLX monitor on power outlet 13-pol 2-way
Art.-No: 651277

Connector 13-pol on CLS-/CLX camera 2-way
Art.-No: 651278



Description:

- **For 2 camera signals (also suitable for cross-traffic monitoring)**
- Socket for cabin and cabin-side camera connection
- Connector for trailer & trailer-side camera connection

4

Power outlet tractor
Art.-No: 651236

Connector plug trailer on CLS/CLX series
Art.-No: 651237



Description:

- **Compact camera disconnect point**
- Socket for cabin and cabin-side camera connection
- Connector for trailer & trailer-side camera connection

4

Wireless monitors

7" wireless monitor MLW-72

Art.-No: 650678



- ✓ **7“ digital LCD wireless monitor**
- ✓ **2 camera inputs / trigger / split-screen function**
- ✓ **12 / 24 V DC**

1	2

Description:

- Transmission frequency: 2.4 GHz
- Resolution: 800 × 480 pixels
- Contrast: 500:1
- Brightness: 400 cd/m²
- Viewing angle: top 50° / bottom 70° / sides 70°
- Automatic dimming
- Integrated speaker
- On-screen distance markers
- Switchable: mirror / normal view
- Anti-glare screen
- Multilingual menu
- Vibration resistance: 7G
- Operating temperature: -20 to +60°C
- Dim.: W 213 / H 138 + antenna / D 41 mm
- Weight: 640 g

7" wireless monitor MLW-74

Art.-No: 650778



- ✓ **7“ digital LCD wireless monitor**
- ✓ **4 camera inputs / triggers / split-screen function**
- ✓ **12 / 24 V DC**

1	2

1	2
3	4

Description:

- Transmission frequency: 2.4 GHz
- Resolution: 800 × 480 pixels
- Contrast: 500:1
- Brightness: 400 cd/m²
- Viewing angle: top 50° / bottom 70° / sides 70°
- Automatic dimming
- Integrated speaker
- On-screen distance markers
- Switchable: mirror / normal view
- Anti-glare screen
- Multilingual menu
- Vibration resistance: 7G
- Operating temperature: -20 to +60°C
- Dim.: W 213 / H 138 + antenna / D 41 mm
- Weight: 640 g

9" wireless monitor MLW-94

Art.-No: 651008



- ✓ **9“ digital LCD wireless monitor**
- ✓ **4 camera inputs / trigger / split-screen function**
- ✓ **12 / 24 V DC**

1	2

1	2
3	4

Description:

- Transmission frequency: 2.4 GHz
- Resolution: 800 × 480 pixels
- Contrast: 500:1
- Brightness: 350 cd/m²
- Viewing angle: top 50° / bottom 70° / sides 70°
- Automatic dimming
- Integrated speaker
- On-screen distance markers
- Switchable: mirror / normal view
- Anti-glare screen
- Multilingual menu
- Operating temperature: -20 to +70°C
- Dim.: W 232 / H 157 + antenna / D 40 mm
- Weight: 670 g

Wireless transmitter/ receiver & battery pack

Wireless transmitter TBW-01

Art.-No: 651044



- ✓ **Compatible with all MLW monitors and the RBW-01 wireless receiver**
- ✓ **Integrates a wired camera into wireless system**

Description:

- Transmission frequency 2.4 GHz
- PAL / NTSC
- Operating temperature: -20 to +70°C
- IP69K
- Dimensions: W 115 / H 110 / D 26 mm

For all commercial vehicle and tractor manufacturers, Adapter portfolio starting on page 50

Wireless receiver RBW-01

Art.-No: 650825



- ✓ **Multifunctional for all existing video monitors with PAL or NTSC input**
- ✓ **Integrates a wireless camera into the system**

Description:

- Transmission frequency: 2.4 GHz
- PAL / NTSC
- Operating temperature: -20 to +70°C
- IP69K
- Dim.: W 105/H 110 + antenna/D 26 mm

For all commercial vehicle and tractor manufacturers, Adapter portfolio starting on page 50

Battery pack for wireless camera

Art.-No: 650779

12-hour battery life, magnetic mount

Accessories (not shown)

Universal 12–24V vehicle charging cable 12-24V

Art.-No: 651011

230 V Power adapter charging cable Art.-No: 650791





Description:

- Charging voltage: 10–32 V DC
- Max. 1.5 A
- 7,800 mAh
- Charging time: 8 hrs
- Battery life: with CLW-120
- approx. 12 hrs (daytime)
- Charging temperature: -20 to +45°C
- Operating temperature: -20 to +60°C
- Protection against overcharge, overload,
- short circuit; IP69K
- Magnetic mount
- Dimensions: W 65 / H 100 / D 40 mm

Wireless cameras

Camera CLW-120-AM

Art.-No: 650929



Up to 12 hours of continuous operation



High-performance magnet

- ✓ **IR LED for better night vision**
- ✓ **Compact 3in1 wireless, battery-powered, magnetic camera**

Accessories (not shown) identical to battery pack; see previous page.

Description:

- 1/3“ CMOS image sensor
- Viewing angles: ↔ 80°, ↕ 70°, ◪ 105°
- PAL / NTSC, 756 × 504 pixels
- Standby function with MLW monitor
- Day/night sensor, night vision range up to 10 m, automatic white balance, audio, IP69K
- Operating temperature: -20 to +60°C
- Charging voltage 5 V – 12 V, 3-hour charging time, LED charge status indicator
- Dimensions: W 116/H 88/D 66 mm
- Weight: 670 g

Magnetic mounting plate for CLW-120-AM

Art.-No: 650928



- ✓ **Suitable for the CLW-120-AM**
- ✓ **Increased safety due to additional holding force in rugged applications**

Description:

- Magnetic mounting plate specifically for the CLW-120-AM Camera
- Made of high-quality stainless steel, brushed finish
- Pre-drilled with four holes, rounded corners
- Dimensions: 116 × 66 mm
- Weight: 20 g

Camera CLW-12 Art.-No: 650687

CLW-60 Art.-No: 650835





- ✓ **120° viewing angle**
- ✓ **12 IR LEDs for better night vision**

Description:

- 1/3“ CMOS image sensor
- Viewing angle: ↔ 70°, ↕ 60°, ◪ 90° or ◪ 40°, ↕ 35°, ◪ 50° (60°)
- PAL, 500 TV lines
- Day/night sensor
- Automatic white balance
- Operating temperature: -20 to +70°C
- IP69K
- Dim.: W 96/H 70 + antenna/D 75 mm
- Weight: 485 g

Fork/Crane wireless camera ZKW-45 Art.-No: 650782



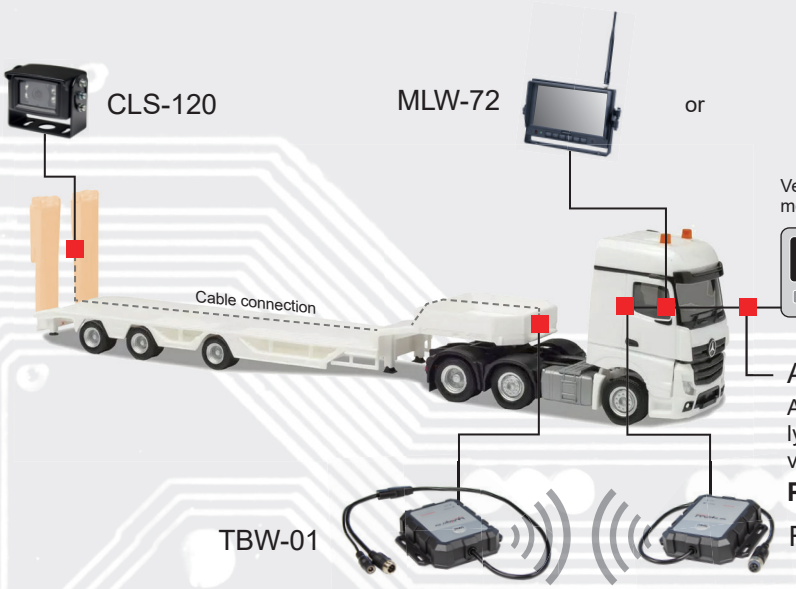


- ✓ **Suitable for crane use**
- ✓ **3 white LEDs for better visibility**

Description:

- 1/3“ CMOS image sensor
- Viewing angle: ↔ 35°, ↕ 30°, ◪ 45°
- PAL, 500 TV lines
- Automatic white balance
- Integrated magnetic mount
- Operating temperature: -20 to +70°C
- IP67
- Dimensions: W 35 / H 35 / D 165 mm
- Weight: 300 g

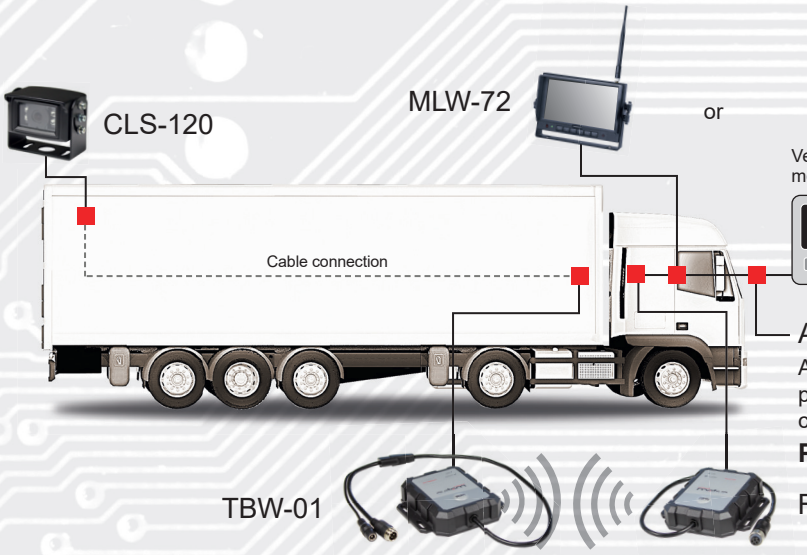
Application example for large vehicles



Description:

- Digital video transmission between the towing vehicle and the semi-trailer
- You have the option to integrate a wired camera into the system.
- Inside the towing vehicle, you can choose to transmit the image to a vehicle-integrated terminal or an MLW wireless monitor.

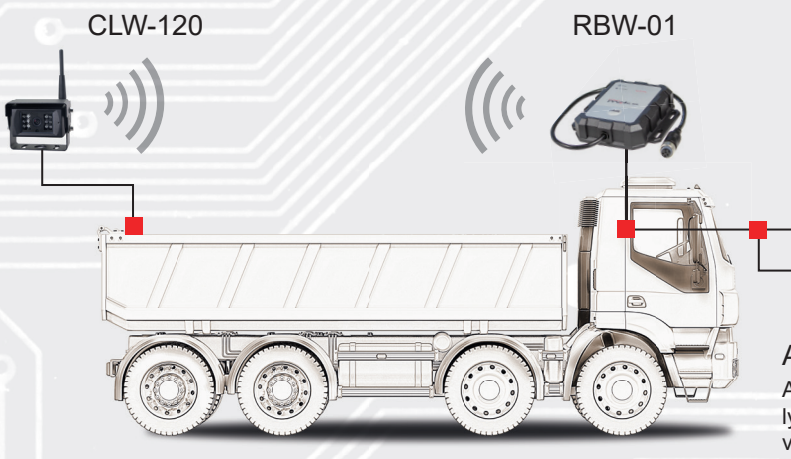




Advantages:

- **Cost savings** due to reduced installation effort and the elimination of connection points
- **No follow-up costs** due to the elimination of wear parts (connection points)
- **Reduced workload for the driver**
- **Lower system costs**





Description:

- Digital video transmission between camera and monitor
- You have the option to integrate a wireless camera into the system.
- In the towing vehicle, you can choose to transmit the image to an onboard terminal or an MLW wireless monitor.



Complete sets

wired

MLS-73-000

Art.-No: 650714









MLS-73 7“ monitor + KL-420 20 m cable + CLS-120 camera

MLS-73-002

Art.-No: 651487









MLS-73 7“ monitor + 2 × KL-420 20 m cable + 2 × CLS-120 camera

MLS-73-003

Art.-No: 651488









MLS-73 7“ monitor + 3 × KL-420 20 m cable + 3 × CLS-120 camera

MLX-73S-000

Art.-No: 650717









MLS-73 7“ monitor + KL-420 20 m cable + CLX-120S-4 shutter camera

MLX-73S-003

Art.-No: 651489









MLS-73 7“ monitor + 2 × KL-420 20 m cable + KL-420 20 m cable + 2 × CLS-120 camera + CLX-120S-4 shutter camera

Complete sets

wireless

MLW-72-000

Art.-No: 650716

PAL · 7" · DIGITAL



MLW-72 7“ monitor + CLW-120 camera

MLW-72-002

Art.-No: 651490

PAL · 7" · DIGITAL



MLW-72 7“ monitor + 2 × CLW-120 camera

MLW-74-000 HD

Art.-No: 651491

DIGITAL · 7" · HD



MLW-74 HD 7“ monitor + CLW-130 HD camera

MLW-74-002 HD

Art.-No: 651492

DIGITAL · 7" · HD



MLW-74 HD 7“ monitor + 2 × CLW-130 HD camera

MLW-74-004 HD

Art.-No: 651493

DIGITAL · 7" · HD



MLW-74 HD 7“ monitor + 4 × CLW-130 HD camera

Wireless monitors HD
Wireless receiver HD

7" monitor MLW-74 HD

Art.-No: 651342



- ✓ **7“ LCD monitor HD digital wireless**
- ✓ **4 camera inputs/trigger/ multi-image function**
- ✓ **12 / 24 V DC**



Description:

- Transmission frequency: 2.4 GHz
- Resolution: 1024 × 600 pixels
- Contrast: 600:1
- Brightness: 600
- Viewing angle: top 80°/bottom 85°/sides 85°
- Automatic dimming
- Switchable: mirror / normal view
- Anti-glare screen
- Multilingual menu
- Operating temperature: -20 to +70°C
- Dim.: W 182/H 122 + antenna/D 28.7 mm
- Weight: 460 g

7" monitor MLW-74-HD-WR

Art.-No: 651556



- ✓ **4 camera inputs/ trigger/multi-image function**
- ✓ **12 / 24 V DC**

IP66

Description:

- Transmission frequency: 2.4 GHz
- Resolution: 1024 × 600 pixels
- Contrast: 700:1
- Brightness: 600 cd/m²
- Viewing angle: top 80°/bottom 85°/sides 85°
- Automatic dimming
- Switchable: mirror / normal view
- Anti-glare screen
- Protection class: IP66
- Operating temperature: -20 to +70°C
- Dim.: W 182/H 122 + antenna/D 28.7 mm
- Weight: 460 g

10" monitor MLW-104 HD

Art.-No: 651343



- ✓ **10“ LCD monitor HD digital wireless/trigger/ 4 camera inputs/multi-image function**
- ✓ **12 / 24 V DC**



Description:

- Transmission frequency: 2.4 GHz
- Resolution: 1024 × 600 pixels
- Contrast: 600:1
- Brightness: 600
- Viewing angle: top 80°/bottom 85°/sides 85°
- Switchable: mirror / normal view
- Anti-glare screen
- Multilingual menu
- Vibration resistance: 7G
- Operating temperature: -20 to +60°C
- Dim.: W 213/H 138 + antenna/D 41 mm
- Weight: 1.200 g

Wireless receiver RBW-01 HD

Art.-No: 651345



- ✓ **Multifunctional for all existing video monitors with HD input**
- ✓ **Integrates 1 HD wireless camera into a system**

Description:

- Transmission frequency 2.4 GHz
- HD
- Operating temperature: -20 to +70°C
- IP69K
- Dim.: W 105/H 110 + antenna/D 26 mm

Wireless transmitter HD
Wireless cameras HD

Wireless transmitter TBW-01 HD

Art.-No: 651344



- ✓ **Compatible with all MLW-HD monitors and the RBW-01 HD wireless receiver**
- ✓ **Integrates a wired HD camera into the system**

Description:

- Transmission frequency 2.4 GHz
- HD
- Operating temperature: -20 to +70°C
- IP69K
- Dimensions: W 115/H 110/D 26 mm

Wireless camera CLW-130 HD

Art.-No: 651339



- ✓ **130° Viewing angle**
- ✓ **4 IR LEDs for better night vision**

Description:

- 1/2.9“ CMOS image sensor
- Viewing angle: 110°, 60°, 125°
- HD
- 1000 TV lines
- Day/night sensor
- Automatic white balance
- Operating temperature: -20 to +70°C
- IP69K
- Dim.: W 96/H 70 + antenna/D 75 mm
- Weight: 485 g

Wireless camera CLW-130-AM HD

Art.-No: 651341

Up to 12 hours of continuous operation



High-performance magnet

- ✓ **4 IR LEDs for better night vision**
- ✓ **3in1 wireless, battery-powered magnetic camera**

Description:

- 1/2.9“ CMOS image sensor, HD
- Viewing angles: 110°, 60°, 125°
- Standby function with MLW monitor
- Day/night sensor, automatic white balance
- Operating temperature: -20 to +70°C
- IP69K
- Charging voltage: 5 V – 12 V, 3-hour charging time at 12 V; LED charging indicator
- Dimensions: W 116/H 88/D 66 mm
- Weight: 670 g

Accessories (not shown)
Identical to battery pack on page 17, bottom

Wireless crane camera CLW AHD

Art.-No: 651392



- ✓ **with person detection**
- ✓ **30× optical zoom**
- ✓ **Further information on the next page**

Description:

- 1/2.9“ CMOS image sensor
- AHD (resolution 1920 × 1080)
- Viewing angle: 57°, 35°, 67°
- With person detection
- 30× optical zoom
- Visibility range: 2 - 500 m
- Night vision range: 50 m
- Operating temperature: -20 to +60°C
- IP69K
- Dimensions: W 110/H 220/D 106 mm
- Weight: 2500 g

Wireless crane camera HD

Wireless crane camera CLW AHD Art.-No: 651392









Wireless transmission range up to 200 m

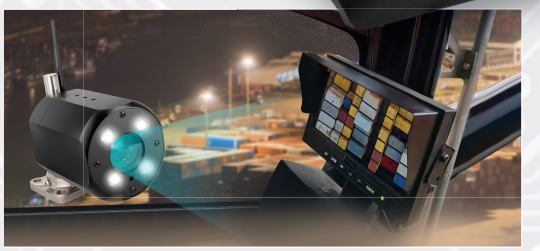
Fast pairing with auto-pairing

Flexible zooming with 30× zoom

4 IR LEDs for improved night vision



Zoom levels



4 powerful IR LEDs for improved night vision



Optional foot-operated control pad for toggling zoom modes (manual/automatic)

Description

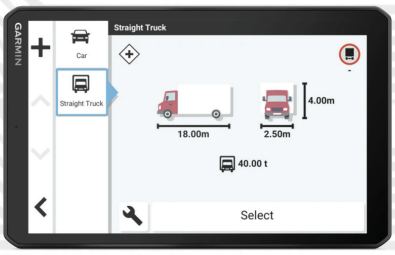
- Wireless HD crane camera with 30× optical zoom, designed for installation at the crane tip or on the crane hook.
- Applications: crane loading and unloading operations in ports, as well as use on various other industrial and construction machines.
- Providing a clear view of the crane hook and the immediate working area makes workflows safer, faster, and more efficient.
- In high-risk operational scenarios - such as avoiding blind lifts, handling unbalanced loads, or preventing collisions - operators can react more quickly to avert potential accidents.
- The camera wirelessly transmits stable, clear, real-time video over distances of up to 200 m (line-of-sight) and is waterproof (IP69K), ensuring reliability in rain and snow. Additionally, the camera features fast, easy pairing and supports auto-pairing.

Navigation system

dezl LGV-810

Art.-No: 651289





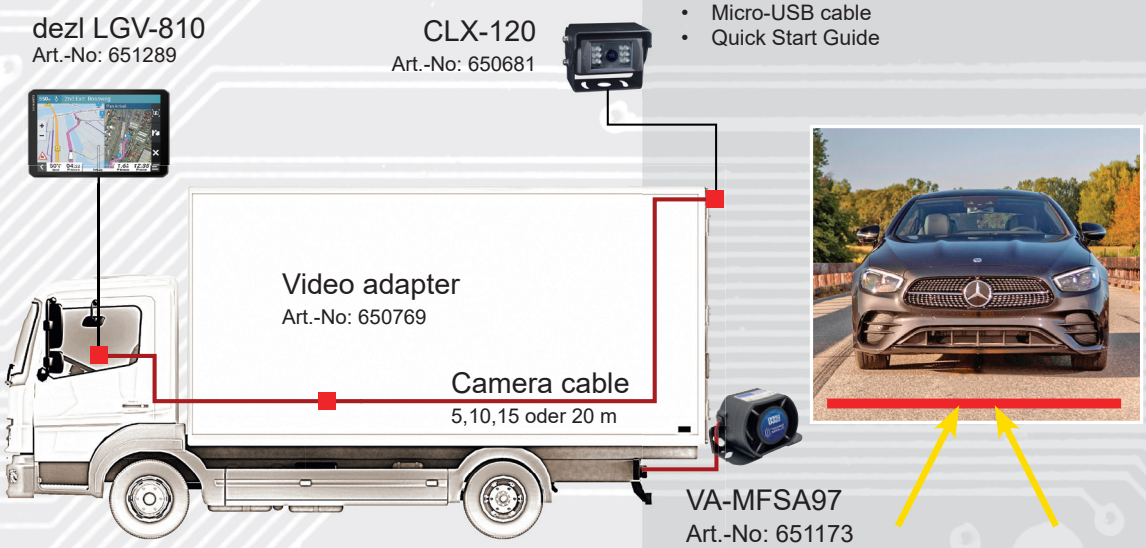
- ✓ **8“ Truck Navigation**
- ✓ **Reversing camera connection**
- ✓ **Truck-specific routing**
- ✓ **Compatible with RT products!**

Description:

- 8-inch (17.8 cm) capacitive multi-touch glass display
- Truck-specific routing based on vehicle parameters such as size, weight, and cargo, covering 36 European countries
- Truck-specific alerts for sharp curves, steep gradients, wind, bridge heights, weight restrictions, traffic jams, etc.
- Easy Route Shaping for simple route adjustments
- Voice-controlled navigation; display supports portrait mode
- Truck-specific Points of Interest (POIs), such as rest areas or gas stations
- Lifetime map updates for 45 EU countries
- Lifetime live traffic information via DAB+ (Garmin Live Traffic)
- Bluetooth™
- Smartphone Link (Android and iOS)
- PhotoReal™ 3D junction views and Active Lane Guidance
- Powered mount with video input

Scope of delivery:

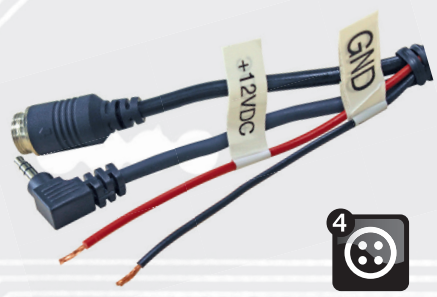
- dezl LGV-810
- Suction cup mount for secure windshield mounting
- Dashboard mount
- Vehicle power cable (2A) with integrated traffic receiver
- Micro-USB cable
- Quick Start Guide



Garmin

Video adapter

Art.-No: 650769



Description:

- Adapter for connecting CLS and CLX series cameras to a Garmin dezl LGV-800 navigation system.
- 12 V DC / with voltage converter
- Art.-No: 650953; suitable for 24 V as well.

Compatible with RT products!

CAN system cable, obstacle detection & Reversing warning system

VC-CAN System cable 0,6 m
Art.-No: 650827

VC-CAN System cable 2,0 m
Art.-No: 650828

VC-CAN System cable 3,0 m
Art.-No: 650829

VC-CAN System cable 5,0 m
Art.-No: 650830

VC-CAN System cable 8,0 m
Art.-No: 650831

VC-CAN System cable 10,0 m
Art.-No: 650832

VC-CAN System cable 15,0 m
Art.-No: 650833



- ✓ **-40 to +80°C**
- ✓ **IP67 when plugged in**

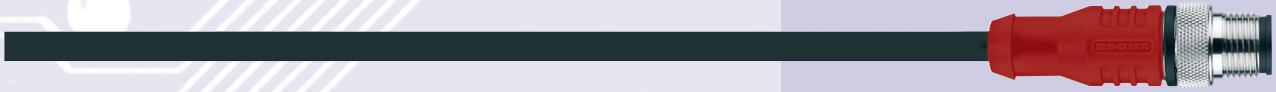
Description:

- The CAN system cable was developed specifically for CAN bus, industrial, Ethernet, sensor, and video applications. This shielded hybrid cable combines various conductor cross-sections and twisted pairs into a versatile, all-purpose cable.
- Cable diameter: 6.4 mm; cable jacket: black PUR; core insulation material: PP.
- We stock the standard lengths shown here and can print them with your specific designations and order numbers upon request. Please contact us.

Connector specifications: HEAVY DUTY

- Connector thread: M12 × 1
- Connector body: Plastic, TPU red
- Coupling nut/screw: Metal, CuZn,
- nickel-plated
- Contact carrier: Plastic, TPU black
- Contacts: Metal, CuZn, gold-plated
- 8-pin + shield
- Current rating: 2 A
- Pollution degree: 3

other lengths on request



VA-TSA97 Art.-No: 651089

- ✓ **77 - 97 dB**
- ✓ **Self-adjusting reversing alarm**
- ✓ **Classic “beep” sound**



Description:

- Sound level 77 bis 97 dB
- IP68
- Operating voltage 12 / 24 V DC
- Dimensions: W 102 / H 71 / D 41 mm

VA-MFSA97 Art.-No: 651173

- ✓ **87 - 97 dB**
- ✓ **Self-adjusting reversing alarm**
- ✓ **Multi-frequency warning device**



Description:

- Connection cable 30 cm
- Volume 77 to 97 dB
- IP67
- Operating voltage 12 / 24 V DC
- Dimensions: W 127 / H 78 / D 68 mm

VA-MF97 Art.-No: 651190

- ✓ **97 dB**
- ✓ **Reduced noise disturbance**
- ✓ **Multi-frequency warning device**



Description:

- Sound level 97 dB
- IP68
- Operating voltage 12 / 24 V DC
- Dimensions: W 91 / H 55 / D 45 mm

Monitor, split-View, camera, multi- & miniplexer, on-board voltage filter

7" monitor VM1 * For manufacturers only

Art.-No: 65057



✓ **7“ TFT (16:9) monitor**



Description:

- Automatic brightness adjustment
- Resolution: 800 × 480 pixels
- Brightness: 700 cd/m²
- LIN bus
- RS232 / RS485
- Dimensions: W 183 / H 162 / D 30 mm (excl. visor)

Visio split-view

Art.-No: 650727



✓ **Split-view function**



Compatible with CCI-VM-C4 & VM1

Description:

- Simultaneous display from 2 cameras
- Single cable connection
- Central power supply: optional
- Operating temperature: -20 to +70°C
- Dimensions: W 155 (excl. con.) / H 48 / D 94 mm

Camera CCI-VM-C4

Art.-No: 650725 * Nur für Hersteller



✓ **120° Blickwinkel**



Description:

- 1/3“ Sony Super HAD CCD image sensor
- Nextchip DSP
- Viewing angle: 120°
- Optional: Selectable viewing angle
- PAL standard
- Operating temperature: -20 to +70°C

Visio multiplexer VM8

Art.-No: 650722



✓ **IP67** * For manufacturers only



Compatible with CCI-VM-C4 & VM1

Description:

- Central power supply point for all components
- Up to 2 monitors and 8 cameras
- RS485, CAN bus, 2 external switching inputs
- Dimensions: W 60 / H 37 / D 225 mm

Visio miniplexer VMP 2 Art.-No: 650723

Visio miniplexer VMP 2 OSV

Art.-No: 650724



* For manufacturers only



Compatible with CCI-VM-C4 & VM1

Description:

- Camera source switching
- With separate power supply
- Only one cable connection to monitor
- Operating temperature: -20 to +70°C
- Dimensions: W 75 / H 23 / D 75 mm

VM-VS1-12 V

Art.-No: 650738



Also available with Deutsch or other connectors

✓ **Universal vehicle voltage filter**



Description:

- 12 V DC operating voltage
- 7–25 V DC input voltage
- 12 V DC output voltage
- Max. output current 5 A
- Operating temperature: -20 to +85°C
- Standard equipment: Super Seal connector
- Dimensions: W 125 / H 30 / D 74 mm

Cross-traffic monitoring

Exempts from requirement for a spotter !!!

Cross-traffic camera and monitor system

Tested by TÜV, DLG, and Dekra;
various versions available.

Get in touch with us.
We would be happy to advise you.



Cross-traffic KMS light
Art.-No: 651022

Cross-traffic KMS basic
Art.-No: 650973

Cross-traffic KMS professional
Art.-No: 651017

- ✓ **Visibility at intersections and blind entrances to courtyards or streets (wide field of view)**
- ✓ **Cameras protected against dust and splashing water**

Description:

- For resolving visibility restrictions caused by front-mounted equipment extending more than 3.5 m beyond the front of the vehicle, or when using front-mounted attachments in road traffic.
- Complies with the requirements set out in *Verkehrsblatt* recommendation 23/2016-180.
- Heated shutter boxes (for winter service); LED status indicator signals system readiness via regular flashing.
- Shutter boxes open at the touch of a button, displaying the live feed from the side-facing cameras on the monitors; split-screen view available.

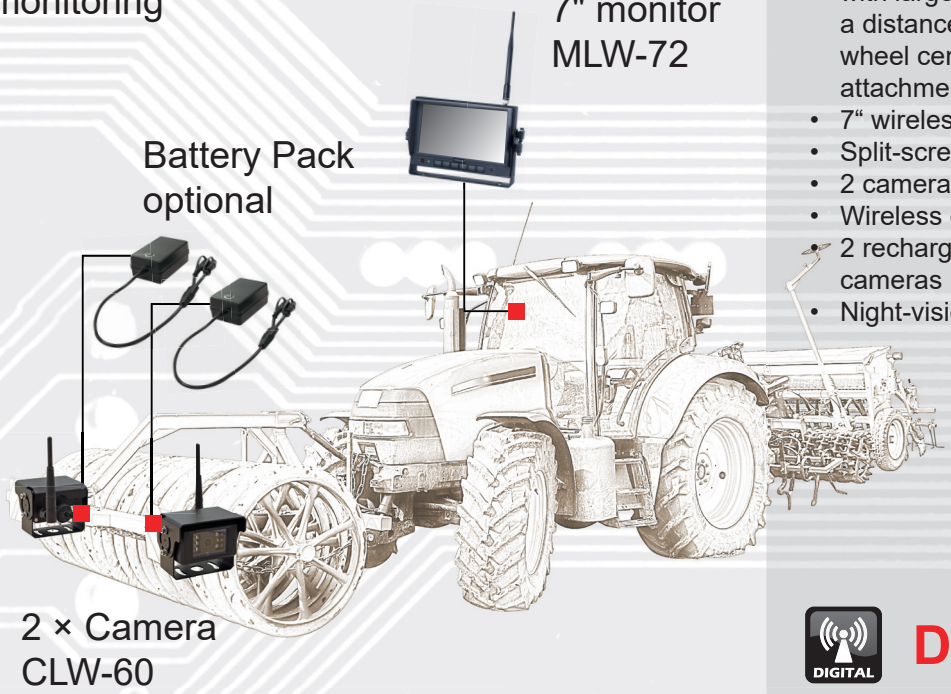
Included in the set:

- 2 cameras each
- Control unit
- 7” LCD monitors
- All necessary components

Cross-traffic monitoring

Wireless or wired

Wireless cross-traffic monitoring

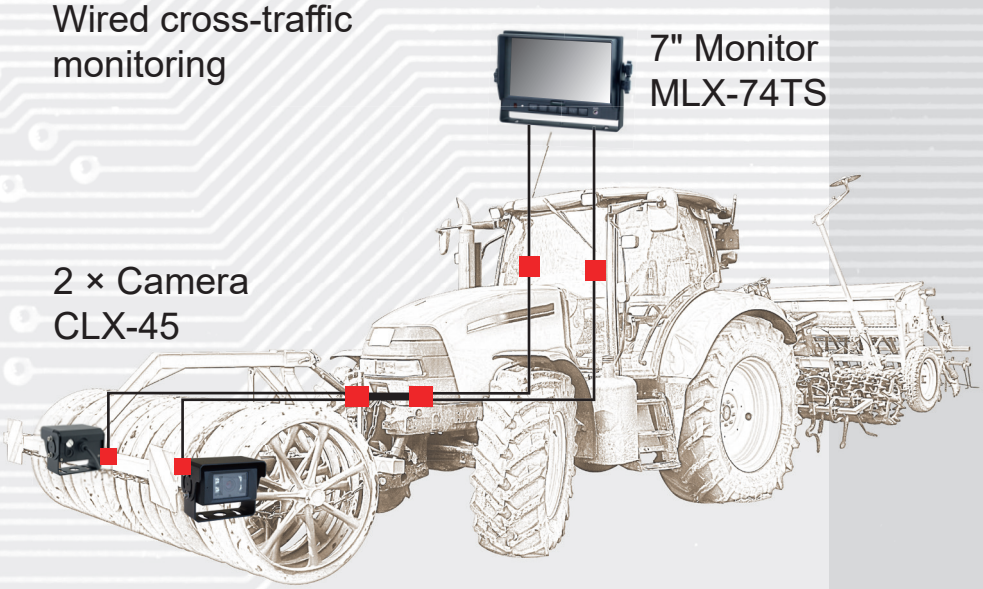


Description:

- Cross-traffic monitoring:
- Camera-monitor system for vehicles with large front-mounted equipment and a distance of > 3.50 m from the steering wheel center to the front edge of the attachment
- 7“ wireless monitor
- Split-screen function
- 2 camera inputs
- Wireless camera viewing angle: 50°
- 2 rechargeable batteries for the wireless cameras
- Night-vision IR LED

DIGITAL **Digital wireless**

Wired cross-traffic monitoring



Description:

- Cross-traffic monitoring: Camera-monitor system for vehicles with large front-mounted equipment and a distance of > 3.50 m from the steering wheel center to the front edge of the attachment
- 7“ monitor
- Split-screen function
- 4 camera inputs
- Camera viewing angle: 45°
- Night-vision IR LED

✓ **7“ monitor with multi-view function**
✓ **IP69K for the camera**
✓ **Optional reversing camera**

Cables are available in all lengths; please feel free to contact us.

Person detection

AI assistance system HD

Funding
according to GS BAU-71
(see page 66)



CLX-150HD AI
125°, 70°, 150°
Art.-No: 651348



CLX-SM 170HD AI
with IR night vision
145°, 80°, 170°
Art.-No: 651347



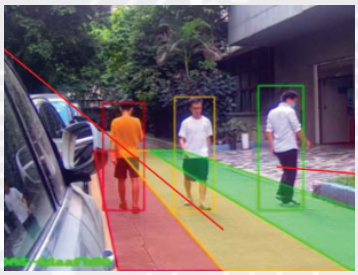
7" monitor MLS-73 HD
Art.-No: 650849
or 650850 7“ monitor MLX-74 HD
or 650851 10“ monitor MLX-104 HD



Audible and visual warning







Description:

- Calibratable HD reversing camera assistance system featuring AI-based person and object detection with audible and visual warnings
- The AI algorithm detects people within a freely definable area without the need for additional hardware.
- High-pressure cleaner resistant (IP 69K)
- Customizable warning zones
- A multi-stage warning system helps the driver assess their surroundings and enables them to detect hazards in good time.

Application examples:

Monitoring of work and maneuvering zones for construction vehicles, municipal vehicles, agricultural vehicles, etc.

AI Calibration Set
Art.-No: 651349



Description:

- With the AI calibration set, you can optionally define areas and specify a selection of objects to be detected.

Mirror replacement

Digital exterior mirror **HD**







CLX-SE-95/70 L
Art.-No: 651352

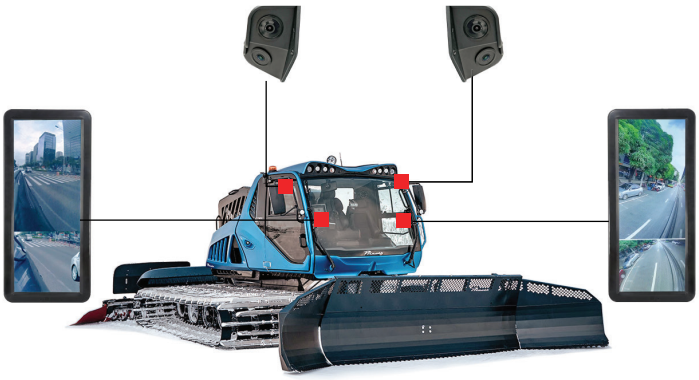
MLX-122SE HD
Art.-No: 651350

CLX-SE-95/70 R
Art.-No: 651351



Also available in landscape format
MLX-122 HD
Art.-No: 651451





Application example: Snow groomer



Application example: bus

Description:

- Digital mirror replacement with significantly improved side visibility
- Two high-brightness 12.3-inch IPS monitors and four HD cameras with HDR functionality
- 12x zoom function
- Automatic screen brightness adjustment for excellent visibility in all lighting conditions
- Selectable guide lines

Convenient operation:

- Quick start-up: Image/video display and recording start within 3 seconds.
- Remote-controllable system.

Data storage:

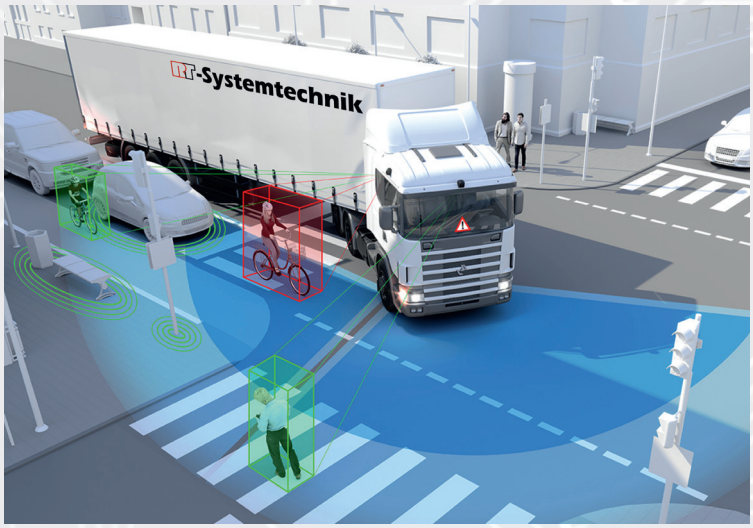
- Integrated recording function,
- Data storage on SD card (up to 128 GB)
- Wi-Fi function: External storage of recorded videos (e.g., on a smartphone) possible

Turn assist system

Camera-based

Turn Assist TURN Detect
Left-hand drive Art.-No: 650974

Turn Assist TURN Detect
Right-hand drive Art.-No: 651170



Description:

- Object detection system for medium-sized to heavy commercial vehicles (> 3.5 t)
- Optional steering angle sensor available (see below)
- The system triggers audible and visual warnings as soon as moving objects enter the detection zone.
- Detection zone dimensions: 3 m at the front × at least 8 m on the right

Included in the set:

- Control box
- GPS module
- Buzzer
- Camera
- Remote control
- Sun visor
- All necessary cables

Eligible

Funding:
(see page 66)


Control box


Monitor


Camera


GPS module


Buzzer


remote control

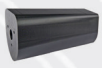
- ✓ **With ABE (BALM Fundingprogramm)**
- ✓ **Detection of pedestrians and cyclists (moving objects)**

Optional:

Steering angle sensor
Art.-No: 651003



Camera/spacer mount
Art.-No: 651291



Camera mount
Art.-No: 651141



Description:

- Kit for activating the turn assist function upon steering input
- Kit contents: sensor, steering angle cable set, sensor bracket

Turn assist system

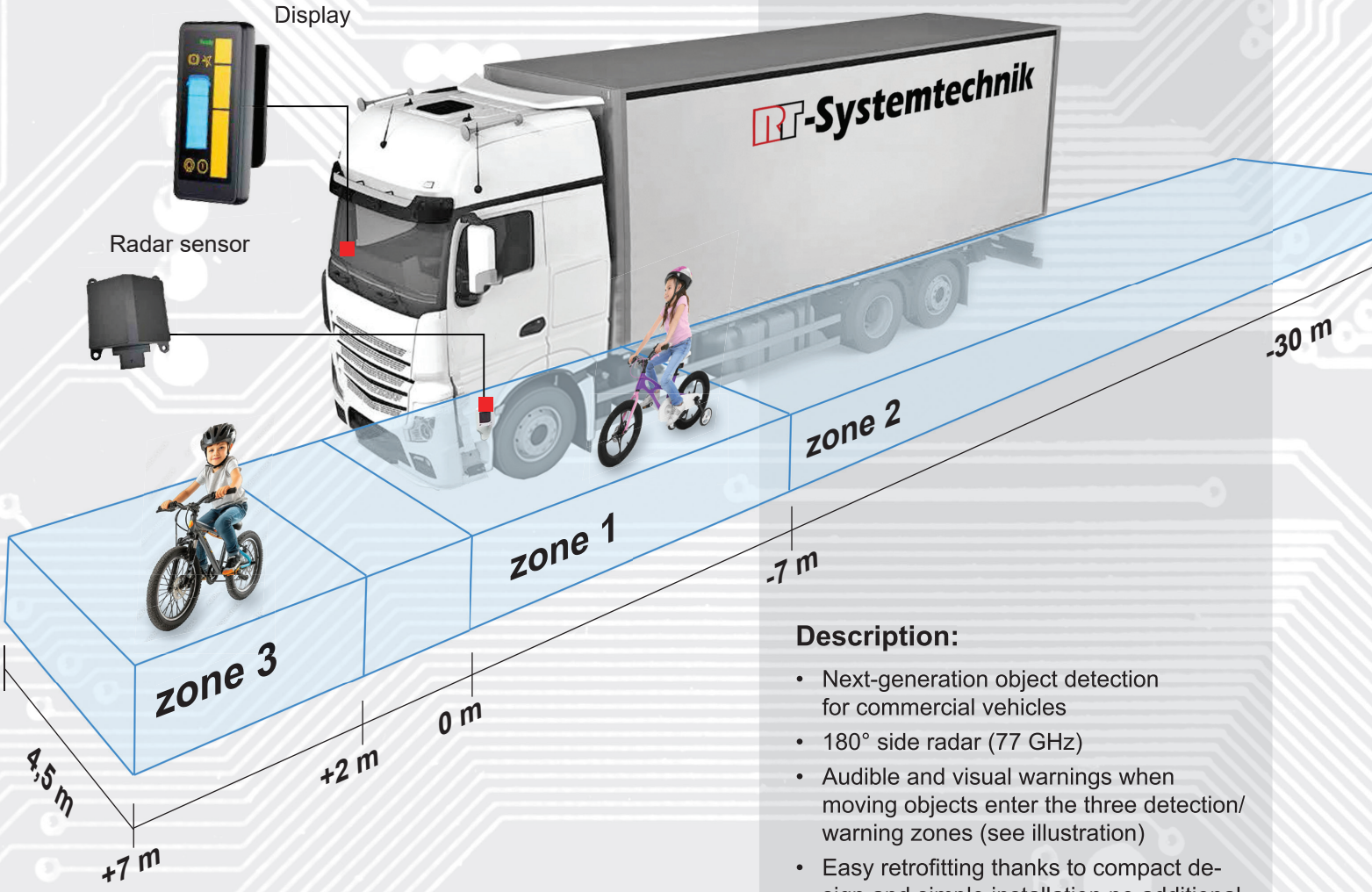
Radar-based

Turn assist system Radar 2023 ABE
Left-hand drive Art.-No: 651363

Turn assist system Radar 2023 ABE
Right-hand drive Art.-No: 651364

Eligible

Funding:
(see page 66)



- ✓ **Compliant with ABE & EU Regulation ECE R151**
- ✓ **Large detection range (80 × 7 m)**
- ✓ **Radar-based detection and differentiation between motor vehicles and non-motor vehicles (moving & stationary objects)**

Description:

- Next-generation object detection for commercial vehicles
- 180° side radar (77 GHz)
- Audible and visual warnings when moving objects enter the three detection/ warning zones (see illustration)
- Easy retrofitting thanks to compact design and simple installation no additional control unit required
- Automatic alignment

Included in the set:

- 180° side radar
- LED display
- Wiring harness
- IMU (Inertial Measurement Unit)

Optional:

- Metal bracket for radar sensor



360° BirdView system HD

360° BirdView
HD set 10“ monitor
Art.-No: 651171





360° BirdView
HD set 7“ monitor
Art.-No: 651013





Description:

- Latest-generation high-end BirdView system
- Crystal-clear image free from interference thanks to high-speed data transmission
- Real-time calculation of the all-round view from 4 camera images
- Display modes can be individually configured
- (e.g., bird‘s-eye view combined with reversing camera)
- Switching between views can be performed automatically via the vehicle electronics using trigger lines or manually via the wired remote control





Sets consist of:

1 × monitor optionally 7/10 inch
4 × BirdView camera
4 × Camera cable
of your choice
1 × Accessory package



360° BirdView

HD Replacement Camera

Art.-No: 650981



Mounting bracket

Art.-No: 650792



Branch deflector / guard

Art.-No: 650784



HD disconnection point set:

TLC-TVI-Z tractor socket
4Pol camera cable

single Art.-No: 651045

triple Art.-No: 651412



TLC-4-S-2 S spiral cable

Art.-No: 650869



TLC-TVI-A socket trailer
4Pol camera cable

1-Fach Art.-No: 651046

3-Fach Art.-No: 651413



Cable sets HD:

Cable 3,0 m Art.-No: 650990	Cable 13,0 m Art.-No: 650995
Cable 5,0 m Art.-No: 650992	Cable 15,0 m Art.-No: 650996
Cable 7,0 m Art.-No: 650993	Cable 18,0 m Art.-No: 650998
Cable 10,0 m Art.-No: 650994	Cable 24,0 m Art.-No: 651000



Features camera:

- Image sensor: 1/4“ SONY
- Automotive Exmor CMOS
- Resolution: 1280 × 720 pixels
- Viewing angle: 190.5°, 224.6°
- Light sensitivity: 1 lux
- Video signal: TVI
- Automatic white balance
- IP69K
- Operating temperature: -40 to 85°C
- Dimensions: W 61 / H 50 / D 43 mm

360° BirdView

Application examples







Service Kit

360° BirdView

Calibration box
incl. software
Art.-No. 650766



- ✓ **Calibration box with SD cards**
- ✓ **2 Calibration mats**
- ✓ **Remote control**
- ✓ **Calibration software**

Description:

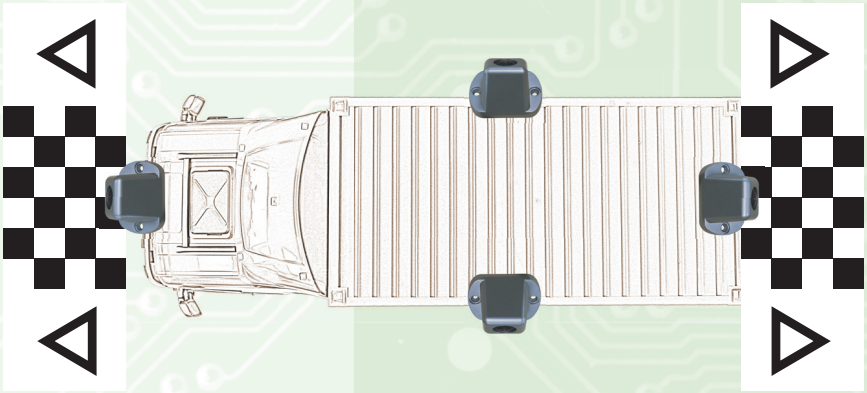
- For aligning the cameras for 360° view.
- Every BirdView system must be calibrated after installation to ensure perfect 360° view.
- Calibration seamlessly aligns the cameras to eliminate blind spots.

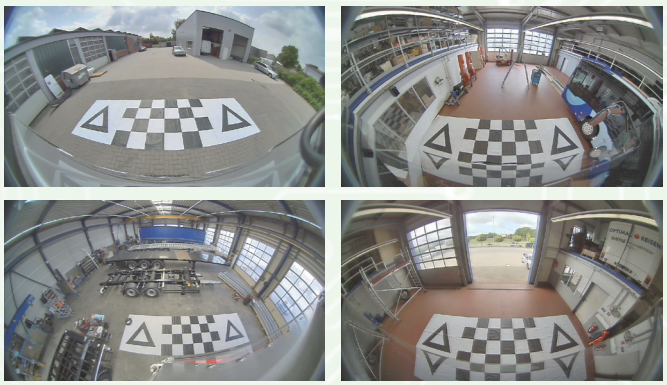
Included in the set:

- 2 calibration mats
- The calibration box (for data updates for the ECU processing unit, with connection cable and SD card slot) serves as an interface between the BirdView system and the calibration software.
- Software package includes vehicle graphics, basic calibration, and parking lines.
- All necessary cables, 2 × 4GB SD cards, and remote control.

Calibration mats
5,5 × 1,5 m
Art.-No. 650765

Calibration mats
7,0 × 2,0 m
Art.-No. 650776





Example calibration

360° calibration:

The calibration of the 360° BirdView system requires 2 calibration mats, the software package including vehicle graphics, basic calibrations, parking lines and the calibration box for data exchange between BirdView and PC.

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Fendt retrofit kit

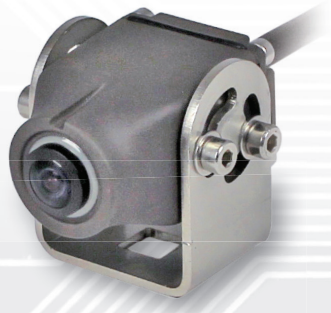
Industrial Ethernet camera

More details

Digital camera for FendtOne CLD-120F

Art.-No: 651442

HD



Description:

- Digital camera for FendtOne tractors of generation 6 & 7 with connection cables
- Mounting behind the driver‘s cab 1 or as a reversing camera for monitoring various implements
- Front mounting on the vehicle front 2
- Easy plug & play installation
- HD resolution
- Viewing angle: 125°, 70°, 210°
- Including mounting bracket



Extension cable

for Fendt retrofit kit

2 m KLD-802 Art.-No: 651431
5 m KLD-805 Art.-No: 651432
10 m KLD-810 Art.-No: 651433
15 m KLD-815 Art.-No: 651434



Camera adapter Digital ETH

Art.-No: 651435



- **Appropriate for Fendt One**

Use your digital connection for analog cameras!

Analog digital converter ADW-01

Art.-No: 651429



Adapter connection in FendtOne driver‘s cab



Description:

- Bring your analog camera image into the digital world
- Converts SD/AHD video formats to Fast Ethernet 100Base-T format
- All analog and HD cameras can be connected.
- Connects directly to the standard 4-pin camera connector in the cab; installation behind the paneling is also possible
- Optional retrofitting of a permanently installed analog camera input with this converter is possible
- Mounting on an attachment is possible

Automotive Ethernet camera

Single Pair Ethernet / BroadR-Reach T1

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VMCam 120 T1 G0 PT-00 H1

Art.-No: 627389





Description:

- Ultra-compact high-performance camera
- for use in harsh environments
- Automotive CMOS image sensor
- Viewing angle: ↔ 120°, ↕ 67,5°, ◢ 140°
- Special Transform Engine (STE)
- High Dynamic Range (HDR)
- Adaptive Tone Mapping (ALTM)
- LED Flicker Migration (LFM)
- Operating temperature: -40 to +85 °C
- Voltage range: 6–32 V
- High-pressure cleaner resistant (IP69K)
- With mounting bracket (optional)
- Dimensions: W 34 / H 28 / D 43 mm
- Weight: approx. 65 g

More features:

- Functional Safety Perfomance Level B (ISO 25119)
- M12x1 Connector D-coded with 100BASE-T1 (Single Pair Ethernet) and power supply

VMCam 120 T1 G0 PT-10 H1

Art.-No: 627427



Description:

- As with VMCam 120 T1 G0 PT-00 H1

Further feature:

- Pigtail cable length: 20 cm

Individual mounting bracket design available for all models.



Industrial Ethernet camera

VMCam 120 ETH G0 PT-50 H1

Art.-No: 627392





Description:

- As withs VMCam 120 T1 G0 PT-00 H1

More features:

- Functional Safety Perfomance Level B (ISO 25119)
- Tail with M12x1 connector D-coded for 100BASE-TX (Ethernet) and Superseal 2pole for power supply
- Tail cable length: 25 cm
- All models also with these viewing angles: ↔ 50°, ↔ 70°, ↔ 90°, ↔ 120° and ↔ 180° available.

GMSL camera

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GMSL camera





Individual mounting brackets design available for all models.

Description:

- Ultra-compact high-performance camera
- for use in harsh environments
- Automotive 3MP image sensor
- Resolution: max. 1920 × 1540
- Latency (glass to interface): <50 ms
- High Dynamic Range (HDR)
- Uncompressed video stream
- LED Flicker Migration (LFM)
- Operating temperature: -40 to +85 °C
- Power supply: 8–18 V / PoC
- IP69K high-pressure cleaner resistant
- Heating option

More features:

- Functional Safety Perfomance Level B (ISO 25119)
- Tail with **Fakra Z SMB/M12-SMB Bayonet connector,** IP69K high-pressure cleaner resistant

GMSL connection cables IP69K high-pressure cleaner resistant

Socket socket M12FB-M12FB

1,0 m 2,5 m 7,5 m 10,0 m 13,0 m

Socket Connector M12FB-M12FB

1,0 m 2,5 m 7,5 m 10,0 m 13,0 m

Adapter socket FAKRA

0,3 m

Description:

Extension and adapter cables, IP69K pressure cleaner resistant



AI smart camera

AI-SIM 1200 Cam



Description:

- HD image sensor with **120 dB WDR** WIDE DYNAMIC RANGE
- Integrated powerful processor with **AI engine for your application**
- Integrated **angel/position sensor**
- Video output format H.264 / MJPEG
- Protocols IPv4/6, RTP/RTSP, TCP/UDP, **ISO17215 (Some/IP)** …
- Single-Pair-Ethernet / Industrial Ethernet
- Power supply 8-36V DC
- Temperature range -40° to +85° C
- **IP69K** high-pressure cleaner resistant
- **Mechanical load capacity up to 55 G**

NEW!

DIGI-Point Monitor Series

New digital TX / T1 video monitor

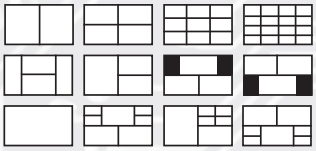
DIGI-Point 7"

Art.-No: 627532



- ✓ **7“ LCD digital HD touchscreen monitor**
- ✓ **3 camera inputs / multi-screen function**
- ✓ **protocols: RTP, TCP/UDP**





Description:

- Capacitive touchscreen
- Resolution: 1.024 × 600 pixels
- Brightness: 1.000 cd/m²
- Quadcore CPU
- Anti-reflective
- Anti-fingerprint
- Heavy duty
- Optical bonding
- Interfaces: Ethernet (TX), Ethernet (T1)
- Individuell OEM application software
- Flexible embedded modular system
- Operating temperature: -20 to +70°C
- Protection class: IP65
- Dimensions: W 174 / H 112 / D 30 mm

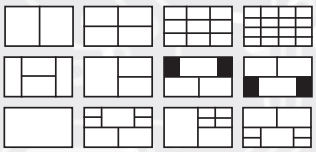
DIGI-Point 10.1"

Art.-No: 627533



- ✓ **10,1“ LCD digital HD touchscreen monitor**
- ✓ **3 camera inputs / trigger / multi-screen function**
- ✓ **Protocols: RTP, TCP/UDP**





Description:

- Capacitive touchscreen
- Resolution: 1.920 × 1.200 pixels FHD
- Brightness: 1.000 cd/m²
- Quadcore CPU
- Anti-reflective
- Anti-fingerprint
- Heavy duty
- Optical bonding
- Interfaces: Ethernet (TX), Ethernet (T1)
- Individuell OEM application software
- Flexible embedded modular system
- Operating temperature: -20 to +70°C
- Protection class: IP65
- Dimensions: W 244 / H 164 / D 40 mm

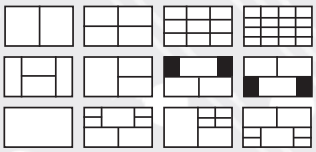
DIGI-Point 21,5"

Art.-No: 627534



- ✓ **21,5“ LCD digital HD touchscreen monitor**
- ✓ **3 camera inputs / trigger / multi-screen function**
- ✓ **Protocols: RTP, TCP/UDP**





Description:

- Capacitive touchscreen
- Resolution: 1.920 × 1.050 pixels FHD
- Brightness: 1.400 cd/m²
- Quadcore CPU
- Anti-reflective
- Anti-fingerprint
- Heavy duty
- Optical bonding
- Interfaces: Ethernet (TX), Ethernet (T1)
- Individuell OEM application software
- Flexible embedded modular system
- Operating temperature: -20 to +70°C
- Dimensions: W 520 / H 340 / D 50 mm

Automotive Ethernet

Accessories / application

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Switch T1/TX

Art.-No: 627218





- ✓ **IP65/67**
- ✓ **12 / 24 V DC**
- ✓ **4 camera inputs, 1 monitor uplink**

Description:

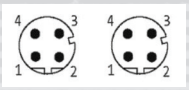
- Interface between monitor and camera: 4 × Single-pair Ethernet 100Base-T1, 1 × Ethernet 1000Base-TX
- Power supply: 9–60V DC
- Operating temperature: -20 to +70°C
- IP65/IP67
- Dimensions: W 65 / H 28 / D 135 mm
- Weight: 425 g

Ethernet camera cable

1,0 m Art.-No: 651396
3,0 m Art.-No: 651397
5,0 m Art.-No: 651398
6,0 m Art.-No: 651399
10,0 m Art.-No: 651400
15,0 m Art.-No: 651401
20,0 m Art.-No: 651402

Description:

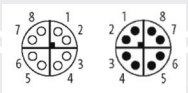
Connection cable between switch T1/TX and Ethernet camera, M12D-coded male plug (4-pin) to M12D-coded female plug (4-pin)





Ethernet monitor cable

1,0 m Art.-No: 651403
3,0 m Art.-No: 651404
5,0 m Art.-No: 651405
10,0 m Art.-No: 651406



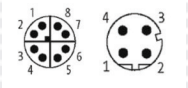
Description:

Connection cable between switch T1/TX and 10“ Ethernet monitor, M12X-coded male plug (8-pin) to M12X-coded female socket (8-pin)



Ethernet monitor cable

3,0 m Art.-No: 651407
5,0 m Art.-No: 651408
10,0 m Art.-No: 651409

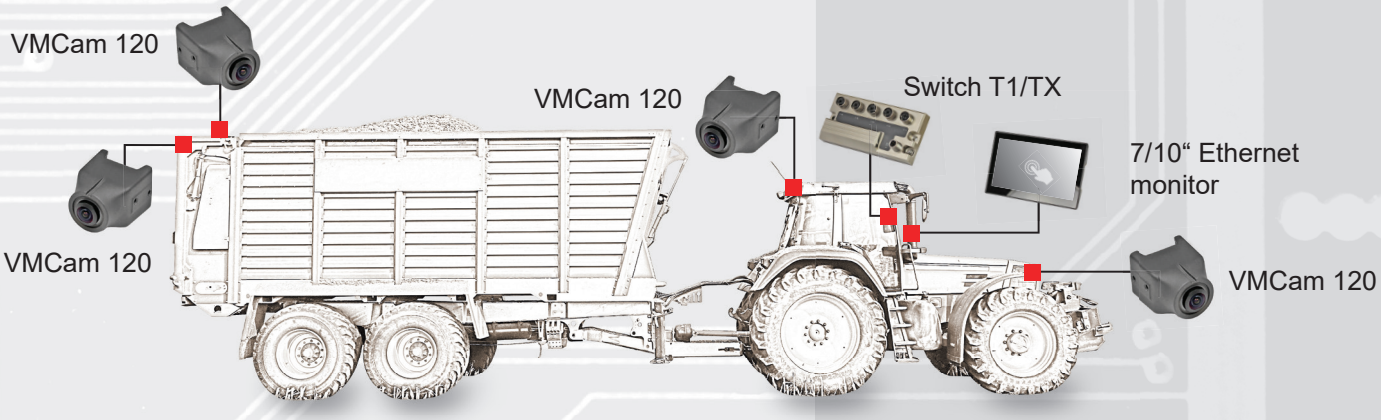


Description:

Connection cable between switch T1/TX and 7“ Ethernet monitor, M12X-coded plug 8p female to M12D-coded socket 4p male

Application example

Tractor trailer



Wireless controls

RCU Q series

RCU-Q4 set
Art.-No: 651301



RCU-Q6 set
Art.-No: 651299

RCU-Q8 set
Art.-No: 651300



RCU-Q10 set
Art.-No: 651453

RCU-Q12 s et
Art.-No: 651463



Description:

- Compact and robust control system designed specifically for industrial machinery and equipment
- Set comprising transmitter and receiver with 4, 6, or 8 switching outputs
- Shock- and splash-proof (IP 65)
- Emergency stop button instantly cuts off all functions
- Ultra-fast response
- < 0.1 seconds
- Range approx. 100 meters

Features

- The sets are designed for direct connection to a 12V–24V DC power supply (a 230V version is also available).
- They are supplied ready for immediate installation, housed in a robust IP65 enclosure and featuring a mountable wire antenna.
- The switching behavior of the individual buttons can be configured:
  - Momentary operation
  - Latching operation
  - Mutual interlocking, etc.
- A single transmitter can be received by multiple receivers.
- Multiple transmitters can control a single receiver.



All wireless receivers are optionally available with CANopen.

CANopen

Wireless controls

RCU A series

RCU-A4 set
Art.-No: 651297



transmitter

Receiver – variant 1:
with potential-free switching contacts



RCU-A-C4 set
Art.-No: 627521



Receiver – variant 2:
with CANopen



CANopen

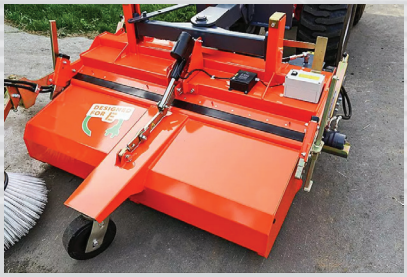
Description:

- Compact and robust control system designed specifically for industrial machines and systems
- Set consists of a transmitter and receiver with 4 switching outputs

Features

- as with the RCU-Q series

Application example





RCU-A6 set
Art.-No: 651298

Wide selection of key symbols



transmitter

receiver



Description:

- Compact and robust control system designed specifically for industrial machines and equipment
- Set consists of transmitter and receiver with 6 switching output

Features

- as with the RCU-Q series





All color and print variants possible

Work lights

LED-ASW

07EK-KW MG OE
Art.-No: 658000

07EK-KW MG DT
Art.-No: 658001

07EK-KW MG SU
Art.-No: 658002



160°

Specifically designed for the requirements of camera systems and ideally suited for close-range illumination (3 - 4 m).

Description:

SPECIAL

- For use inside machines
- 7 W, LED configuration: 1 × 7 W
- Beam angle: 160°
- 6,000 K color temperature, 525 lumens
- 30,000 h lifespan
- IP67, 12/24 V DC operating voltage
- Dimensions: W 66 / H 92 / D 66 mm
- Weight: 345 g

LED-ASW

09EG-KW FL OE
Art.-No: 658095

09EG-KW FL DT
Art.-No: 658096

09EG-KW FL SU
Art.-No: 658097



90°

Description:

- 9 W, LED configuration: 4 × 3 W
- Beam angle: 90°
- 6,000 K color temperature, 800 lumens
- Light color: Cool white
- 30,000 h lifespan
- IP69K, 12/24 V DC operating voltage
- Dimensions: W 53.3 / H 76 / D 31 mm
- Weight: 151.4 g

LED-ASW

15EG-KW FL OE Reverse
Art.-No: 658125

15EG-KW FL SU Reverse
Art.-No: 658126



E4

Description:

Reversing lights E-approved

- 15 W, LED configuration: 18 × 1 W
- Beam angle: according to ECE-R23
- 6,000 K color temperature, 1300 lumens
- Light color: Cool white
- 30,000 h lifespan
- IP69K, 12/240 V DC operating voltage
- Dimensions: W 99 / H 135 / D 30 mm
- Weight: 307 g

LED-ASW

27EG-KW FL OE
Art.-No: 658120

27EG-KW FL DT
Art.-No: 658121

27EG-KW FL SU
Art.-No: 658122



80°

Description:

- 27 W, LED configuration: 4 × 10 W
- Beam angle: 80°
- 6,000 K color temperature, 2,500 lumens
- Light color: Cool white
- 30,000 h lifespan
- IP69K, 12/24 V DC operating voltage
- Dimensions: W 99 / H 135 / D 65 mm
- Weight: 470 g

LED-ASW

18RG7-KW FL OE
Art.-No: 658015

18RG7-KW FL DT
Art.-No: 658016

18RG7-KW FL SU
Art.-No: 658017



80°

Description:

- 18 W, LED configuration: 6 × 3 W
- Beam angle: 80°
- 6,000 K color temperature, 1260 lumens
- 30,000 h lifespan
- IP67, 12/24 V DC operating voltage
- Dimensions: H 145 / W 114 / D 65 mm
- Weight: 590 g

Flashing, maintenance and warning lights

LED-BOLT

Blitzleuchten

50-6 Orange OE
Art.-No: 651082

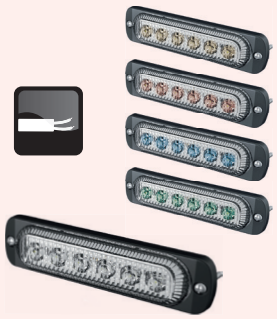
50-6 Green OE
Art.-No: 651085

50-6 White OE
Art.-No: 651081

50-6 Blue OE
Art.-No: 651084

50-6 Red OE
Art.-No: 651083

possible color variations



Description:

- Power: 3 W
- Aluminum housing with polycarbonate
- 6 LEDs in white, orange, red, blue, or green
- Reverse polarity protection
- Simultaneous or alternating flashing
- Also suitable as continuous light
- Memory remembers last flash pattern upon power-up
- Operating voltage 12/24 V DC, 24 V DC 0.14 A
- Dimensions: W 112.6 / H 28.3 / D 12.6 mm

LED-MAIN

Maintenance light
WH-18-OE
Art.-No: 650743

✓ **IP67**
✓ **Weather & vibration resistant, easy assembly**



Description:

- Power: 8 W
- 18 white LEDs, other colors optional
- Reverse polarity protection
- Continuous light
- Aluminum housing with polycarbonate
- IP67, operating voltage 12/24 V DC
- Easy installation
- Dimensions: W 182 / H 15 / D 61 mm

LED-KEN

warning light
KL12
Art.-No: 651079

- Max. 36 W, 12 × 3 W
- Beam angle: 360°
- IP56, 12/24 V DC
- 1920 lumens
- Dim.: H 210 / ø 128 mm



LED-KEN

warning light
KL18
Art.-No: 651078

- Max. 54 W, 18 × 3 W
- Beam angle: 360°
- IP56, 12/24 V DC
- 2880 lumens
- Dim: H 250 / ø 128 mm



LED-KEN

warning light
KL24
Art.-No: 651077

- Max. 72 W, 24 × 3 W
- Beam angle: 360°
- IP56, 12/24 V DC
- 3840 lumens
- Dim: H 280 / ø 128 mm

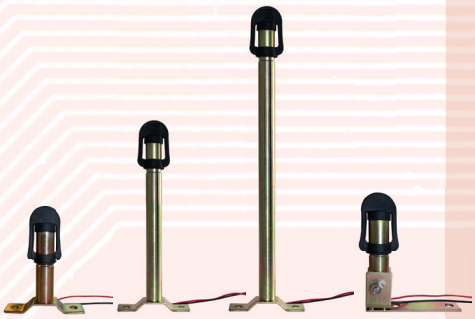


LED-KEN

Mount for warning light
Type 1 - H 118 mm
Art.-No: 651080

Type 2 - H 266 mm
Art.-No: 62570

Type 3 - H 415 mm
Art.-No: 62571



Description:

- Height without rubber seal
- Foot width: 110 mm
- Bracket: ø 23 mm

Type 4 - H 122 mm
foldable
Art.-No: 627094

LED-ASW

18RG-KW FL MHS
Art.-No: 651100

✓ **IP69K**
✓ **Robust case with handle**
✓ **Magnetic base (25 kg holding force)**



Description :

- Compact LED work light
- Power: 18 W, 4 LEDs with cool white light
- Light output: 1800 lumens, beam angle: 60°
- Vehicle adapter with 2 A fuse, IP69K, operating voltage: 12/24 V DC, screw joint for fine adjustment, on/off switch on the back, neodymium magnetic base: approx. 25 kg holding force, possible use: hanging/freestanding, cable length: approx. 8 m
- Dimensions: W 104 / H 221 / D 81 mm
- Weight: 1250 g

Work lights

LED-ASW

15EG7-KW SP OE
Art.-No: 658005

15EG7-KW SP DT
Art.-No: 658006

15EG7-KW SP SU
Art.-No: 658007



Description:

- 15 W, LED configuration: 5 × 3 W
- Beam angle: 10°
- 6,000 K color temperature, 1050 lumens
- 30,000 h lifespan
- IP67, 12/24 V DC operating voltage
- Dimensions: W 105 / H 134 / D 65 mm
- Weight: 720 g

LED-ASW

20EG7-KW SP OE
Art.-No: 658030

20EG7-KW SP DT
Art.-No: 658031

20EG7-KW SP SU
Art.-No: 658032



Description:

- 20 W, LED configuration: 4 × 5 W
- Beam angle: 30°
- 6,000 K color temperature, 1400 lumens
- 30,000 h lifespan
- IP67, 12/24 V DC operating voltage
- Dimensions: W 80 / H 100 / D 85 mm
- Weight: 620 g

LED-ASW

24RG-KW SP OE
Art.-No: 658040

24RG-KW SP DT
Art.-No: 658041

24RG-KW SP SU
Art.-No: 658042



Description:

- 24 W, LED configuration: 8 × 3 W
- Beam angle: 30°
- 6,000 K color temperature, 1440 lumens
- 30,000 h lifespan
- IP67, 12/24 V DC operating voltage
- Dimensions: W 116 / H 136 / D 50 mm
- Weight: 490 g

LED-ASW

48EG7-KW SP OE
Art.-No: 658060

48EG7-KW SP DT
Art.-No: 658061

48EG7-KW SP SU
Art.-No: 658062



Description:

- 48 W, LED configuration: 16 × 3 W
- Beam angle: 30°
- 6,000 K color temperature, 3360 lumens
- 30,000 h lifespan
- IP67, 12/24 V DC operating voltage
- Dimensions: W 110 / H 138 / D 80 mm
- Weight: 990 g

LED-ASW

48EGN7-KW SP OE
Art.-No: 658070

48EGN7-KW SP DT
Art.-No: 658071

48EGN7-KW SP SU
Art.-No: 658072



Description:

HEAVY DUTY

- 48 W, LED configuration: 16 × 3 W
- Beam angle: 30°
- 6,000 K color temperature, 3360 lumens
- 30,000 h lifespan
- IP67, 12/24 V DC operating voltage
- Dimensions: W 125 / H 156 / D 90 mm
- Weight: 1,400 g

LED-ASW

60EG-KW SP OE
Art.-No: 658080

60EG-KW SP DT
Art.-No: 658081

60EG-KW SP SU
Art.-No: 658082



Description:

HEAVY DUTY

- 60 W, LED configuration: 6 × 10 W
- Beam angle: 10°
- 6,000 K color temperature, 6,000 lumens
- 30,000 h lifespan
- IP67, 12/24 V DC operating voltage
- Dimensions: W 135 / H 162 / D 126 mm
- Weight: 2,430 g

Work lights

LED-ASW

15EG7-KW FL OE
Art.-No: 658010

15EG7-KW FL DT
Art.-No: 658011

15EG7-KW FL SU
Art.-No: 658012



Description:

- 15 W, LED configuration: 5 × 3 W
- Beam angle: 80°
- 6,000 K color temperature, 1050 lumens
- 30,000 h lifespan
- IP67, 12/24 V DC operating voltage
- Dimensions: W 105 / H 134 / D 65 mm
- Weight: 720 g

LED-ASW

20EG7-KW FL OE
Art.-No: 658035

20EG7-KW FL DT
Art.-No: 658036

20EG7-KW FL SU
Art.-No: 658037



Description:

- 20 W, LED configuration: 4 × 5 W
- Beam angle: 60°
- 6,000 K color temperature, 1400 lumens
- 30,000 h lifespan
- IP67, 12/24 V DC operating voltage
- Dimensions: W 80 / H 100 / D 85 mm
- Weight: 620 g

LED-ASW

24RG-KW FL OE
Art.-No: 658045

24RG-KW FL DT
Art.-No: 658046

24RG-KW FL SU
Art.-No: 658047



Description:

- 24 W, LED configuration: 8 × 3 W
- Beam angle: 60°
- 6,000 K color temperature, 1440 lumens
- 30,000 h lifespan
- IP67, 12/24 V DC operating voltage
- Dimensions: W 116 / H 136 / D 50 mm
- Weight: 490 g

LED-ASW

48EG7-KW FL OE
Art.-No: 658065

48EG7-KW FL DT
Art.-No: 658066

48EG7-KW FL SU
Art.-No: 658067



Description:

HEAVY DUTY

- 48 W, LED configuration: 16 × 3 W
- Beam angle: 60°
- 6,000 K color temperature, 3360 lumens
- 30,000 h lifespan
- IP67, 12/24 V DC operating voltage
- Dimensions: W 110 / H 138 / D 80 mm
- Weight: 990 g

LED-ASW

48EGN7-KW FL OE
Art.-No: 658075

48EGN7-KW FL DT
Art.-No: 658076

48EGN7-KW FL SU
Art.-No: 658077



Description:

HEAVY DUTY

- 48 W, LED configuration: 16 × 3 W
- Beam angle: 60°
- 6,000 K color temperature, 3360 lumens
- 30,000 h lifespan
- IP67, 12/24 V DC operating voltage
- Dimensions: W 125 / H 156 / D 90 mm
- Weight: 1,400 g

LED-ASW

60EG-KW FL OE
Art.-No: 658085

60EG-KW FL DT
Art.-No: 658086

60EG-KW FL SU
Art.-No: 658087



Description:

HEAVY DUTY

- 60 W, LED configuration: 6 × 10 W
- Beam angle: 90°
- 6,000 K color temperature, 6,000 lumens
- 30,000 h lifespan
- IP67, 12/24 V DC operating voltage
- Dimensions: W 135 / H 162 / D 126 mm
- Weight: 2,430 g

Work lights
GO-Serie

LED-ASW

Scorpius LED N4406
35 W 2100 lm WideFlood
Art.-No: 627098



Description:

- Close-range spotlight, 35 W
- 12/24 V DC operating voltage
- IP68/IP6K9K
- 5,700 K color temperature
- Luminous efficacy: 2,100 lumens
- Lens color: Amber, Yellow, Red
- Transparent, Diffused
- Overheating protection
- Operating temperature: -40 to +85°C
- Dimensions: W 108 / H 137 / D 87 mm

LED-ASW

Scorpius LED N4404
45 W 3000 lm WideFlood
Art.-No: 651087

45 W 3000 lm HiBeam
Art.-No: 651091



Description:

- Close-range spotlight, 45 W
- 12/24 V DC operating voltage
- IP68/IP6K9K
- 5,700 K color temperature
- Luminous efficacy: 3,000 lumens
- Lens color: Amber, Yellow, Red
- Transparent, Diffused
- Overheating protection
- Operating temperature: -40 to +85°C
- Dimensions: W 108 / H 137 / D 87 mm

LED-ASW

Scorpius LED N4402
50 W 4200 lm WideFlood
Art.-No: 651086

50 W 4200 lm HiBeam
Art.-No: 651090



Description:

- 50 W
- 12/24 V DC operating voltage
- IP68/IP6K9K
- 5,700 K color temperature
- Luminous efficacy: 4,200 lumens
- Lens color: Amber, Yellow, Red
- Transparent, Diffused
- Overheating protection
- Operating temperature: -40 to +85°C
- Dimensions: W 108 / H 137 / D 87 mm

LED-ASW

CANIS GO 420
28 W 1800 lm WideFlood
Art.-No: 627204

28 W 1800 lm Flood
Art.-No: 627208



Description:

For price-conscious customers

- 28 W
- 12/24 V DC
- IP68/IP6K9K
- 5,000 K color temperature
- Luminous efficacy: 1,800 lumens
- Lens: PA
- Overheating protection
- Operating temperature: -40 to +85°C
- Dimensions: W 93 / H 122 / D 72 mm

LED-ASW

SCORPIUS GO 420
28 W 1800 lm WideFlood
Art.-No: 627202

28 W 1800 lm Flood
Art.-No: 627206



Description:

For price-conscious customers

- 28 W
- 12/24 V DC
- IP68/IP6K9K
- 5,000 K color temperature
- Luminous efficacy: 1,800 lumens
- Lens: PA
- Overheating protection
- Operating temperature: -40 to +85°C
- Dimensions: W 99 / H 118 / D 66 mm

Work lights &
R23 reversing lights

LED-ASW

ANTARES GO 625
39 W 2300 lm WideFlood
Art.-No: 627203

39 W 2300 lm Flood
Art.-No: 627207



Description:

For price-conscious customers

- 39 W
- 12/24 V DC
- IP68/IP6K9K
- 5,000 K color temperature
- Luminous efficacy: 2,300 lumens
- Lens: PA
- Overheating protection
- Operating temperature: -40 to +85°C
- Dimensions: W 160 / H 118 / D 72 mm

LED-ASW

KL1401 LED 42 W 2000 lm WideFlood / Flood
Art.-No: 651093 / Art.-No: 627190

- ✓ **IP68 / IP6K9K**
- ✓ **High light output**
- ✓ **Overheating protection**



Description:

- 42 W
- 12/24 V DC operating voltage
- IP68/IP6K9K
- 5,700 K color temperature
- Luminous efficacy: 2,000 lumens
- Lens color: Transparent
- Overheating protection
- Operating temperature: -40 to +85°C
- Dimensions: W 110 / H 137 / D 74 mm

LED-ASW

Pictor LED N7301 32 W 2600 lm Flood TT DS / Flood TT US
Art.-No: 651172 / Art.-No: 627144

- ✓ **Illumination of smaller areas**
- ✓ **High-performance close-range headlights**



Description:

- 32 W
- 12/24 V DC operating voltage
- IP68/IP6K9K
- 5,700 K color temperature
- Luminous efficacy: 2,600 lumens
- Lens color: Diffused
- Overheating protection
- Operating temperature: -40 to +85°C
- Dimensions: W 188 / H 55 / D 149 mm

LED-ASW

Vela LED N2201 Blue
16 W 470 lm Spot
Art.-No: 651092

- ✓ **High-performance work lights**
- ✓ **Warning light for forklift**
- ✓ **Overheating protection**



Description:

- 16 W
- 12/24 V DC operating voltage
- IP68/IP6K9K
- Luminous efficacy: 470 lumens
- Lens color: Blue
- Overheating protection
- Operating temperature: -40 to +85°C
- Housing: Aluminum
- Dimensions: W 95 / H 115 / D 49 mm

LED-RSW

Spica LED N24R
15 W 450 lm Reverse
Art.-No: 627101

- ✓ **Overheating protection**
- ✓ **ECE R23 approved**
- ✓ **High lifespan & operational reliability**



Description:

- Reversing light, ECE R23 approved
- 15 W
- 12/24 V DC operating voltage
- IP68/IP6K9K
- 5,000 K color temperature
- Luminous efficacy: 450 lumens
- Lens color: Diffused
- Operating temperature: -40 to +85°C
- Dimensions: W 100 / H 122 / D 76 mm

Adapter

Commercial vehicles

Mercedes J9P/J8S on CLS-/CLX camera

Art.-No: 651055



Description:

- Adapter for connecting a CLS/CLX camera to Mercedes-Benz ACTROS 5 & AROCS 5 (BM963/964) with J9P pre-installation + Multimedia Cockpit Code J6B/J6C.

Mercedes MBUX on CLS-/CLX camera

Art.-No: 651232



Description:

- Camera interface for retrofitting RT cameras to Mercedes-Benz (26 cm/10.25“) multi-touch display (ACTROS 5/AROCS)
- No J9P pre-installation required

MB-Fakra connector with J9J/J8L pre-installation on CLS-/CLX camera

Art.-No: 650753



Description:

- Adapter for Mercedes-Benz Trucks
- Suitable for: Actros, Antos, Arocs, Axor (BM 963/964) From SOP 06.2013
- Prerequisite: Pre-installation, reversing camera (J9J) + multimedia unit (J1C or J2D) s. U.

Volvo 7″ SID-Display on CLS-/CLX camera

Art.-No: 650931

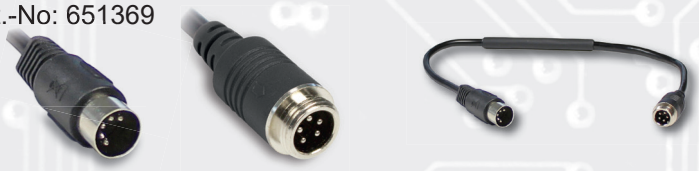


Description:

- Adapter for connecting a camera of the CLS/CLX series to Volvo trucks of the FH series 7-inch SID display with A169
- 12 - 24 V DC

RT shutter camera on Volvo camera cable

Art.-No: 651369

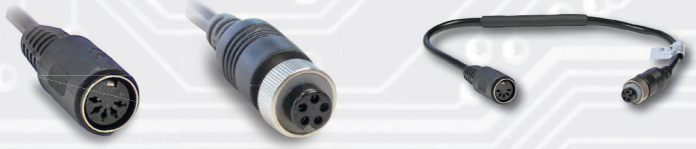


Description:

- Adapter for connecting a 5-pin RT flap camera to a 5-pin Volvo monitor
- Suitable for shutter cameras
- Cable length 30 cm

Volvo shutter camera on RT 5-Pol monitor

Art.-No: 651368



Description:

- Adapter for connecting a 5-pin RT flap camera to a 5-pin Volvo monitor
- Suitable for shutter cameras
- Cable length 30 cm

Iveco Daily Hi-Connect on CLS-/CLX camera

Art.-No: 651295

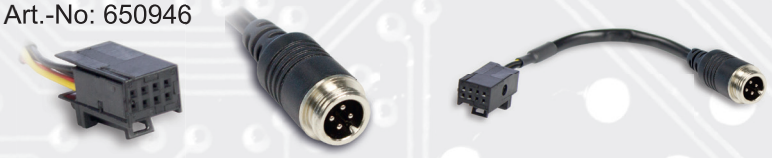


Description:

- Connection to the 52-pin connector of the Daily Hi-Connect head unit or Ucon7 Daiichi radio

Fiat Ducato on CLS-/CLX camera

Art.-No: 650946



Description:

- Adapter for connecting a CLS/CLX camera to a Fiat Ducato terminal

Adapter

Commercial vehicles

Iveco X-Way on CLS-/CLX camera

Art.-No: 651501



Description:

- Adapter for connection
- Cable length 30 cm

MAN MMT-4 auf CLS-/CLX-Kamera

Art.-No: 651241

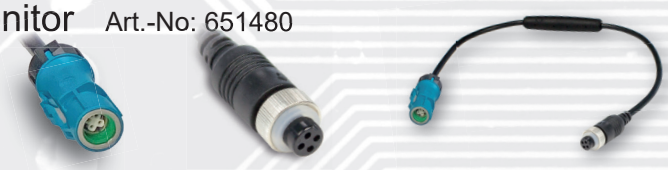


Description:

- Adapter for connecting a camera of the CLS/CLX series to the MAN MMT-4 media system with preparation for a rear-view camera Code 0PHIK (extension / cable is located behind the driver‘s cab)

HSD-4Pol waterproof female on MLS-/MLX monitor

Art.-No: 651480



Description:

- Waterproof HSD connector for an MLS/MLX monitor
- Adapter cable length 300 mm

MAN/Scania Harman-Becker Premium Radio (HSD) on CLS-/CLX camera

Art.-No: 650865



Description:

- Adapter for connecting a camera of the CLS/CLX series to a Scania or MAN Harman-Becker Premium radio (HSD connector)

MAN/Scania (HSD double plug) on CLS-/CLX camera

Art.-No: 651454



Description:

- Adapter for connecting 2 cameras
- of the CLS/CLX series to a Scania or MAN Harman-Becker Premium radio (HSD double plug)

MAN/Scania Harman-Becker Radio (HSD) (angled plug) on CLS-/CLX camera

Art.-No: 650893



Description:

- Adapter for connecting a CLS/CLX series camera to a Harman-Becker radio with angled plug

MAN Bosch MMT-2 on CLS-/CLX camera

Art.-No: 650788

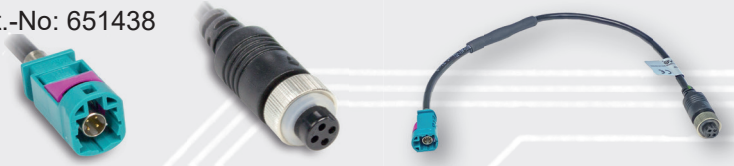


Description:

- Connects the on-board monitor of the MAN MMT radio 351 (from model year 10/2016) with pre-installation (code: ME, MA, MC or MF), no additional monitor is required, to all CLS/CLX cameras without shutters to the MAN MMT radio. When reverse gear is engaged, the radio automatically switches to the reversing camera.

MLS-/MLX-Monitor on MAN camera cable

Art.-No: 651438



Description:

- Adapter cable to connect the built-in MAN factory camera to an RT monitor or an RT switching box

Adapter

Commercial vehicles

MAN Bosch MMT 1 on CLS-/CLX camera

Art.-No: 650911



Description:

- Adapter for 5-inch MAN monitor with HSD connector pre-wiring

VW-CRAFTER & MAN TGE on CLS-/CLX camera

Art.-No: 651064



Description:

- Adapter for connection
- Cable length 30 cm

Bosch MMT without pre-installation for CLS/CLX camera

Art.-No: 650892



Description:

- Adapter for connecting a Bosch MMT without pre-installation to a CLS/CLX series camera for MAN, Scania, DAF without HSD pre-installation

Waeco 6Pol female on MLS-/MLX monitor 10 cm

Art.-No: 650767



Description:

- Adapter for connecting a 4-pole camera of the CLS/CLX series to a 6-pole Waeco monitor

Waeco 6Pol male on CLS-/CLX camera 10 cm

Art.-No: 650768



Description:

- Adapter for connecting a 4-pole camera of the CLS/CLX series to a 6-pole Waeco monitor

RT shutter camera on Waeco monitor

Art.-No: 650876

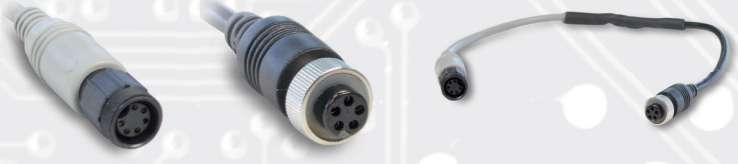


Description:

- Adapter for connecting a 5-pin RT shutter camera to a 6-pin Waeco monitor
- Suitable for shutter cameras

Waeco shutter camera on RT monitor

Art.-No: 650949



Description:

- Adapter for connecting a Waeco shutter camera to an RT-MLS-73S monitor

Adapter

Commercial vehicles

Axion-Minimax on CLS-/CLX camera

Art.-No: 651243



Description:

- Adapter for connecting a CLS/CLX series camera to a monitor with an Axion Minimax connector
- Cable length approx. 30 cm

MLS-/MLX monitor on Axion-Minimax camera

Art.-No: 651281

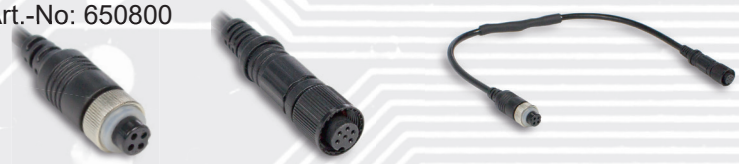


Description:

- Adapter for connecting an RT monitor to an Axion Minimax camera

MLS-/MLX monitor on Camos 6Pol female

Art.-No: 650800

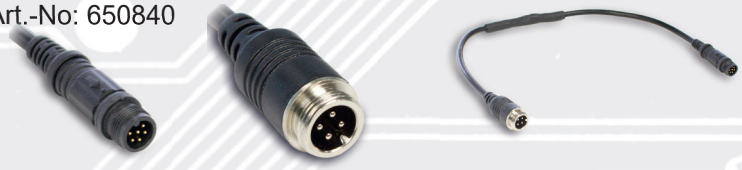


Description:

- Adapter for connecting a Camos camera to an RT monitor of the MLS/MLX series

Camos 6Pol male auf CLS-/CLX-Kamera

Art.-No: 650840

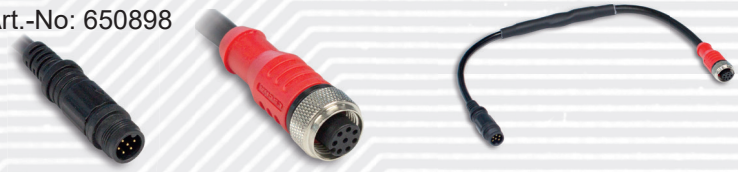


Description:

- Adapter for connecting a CLS/CLX series camera to a Camos monitor with 6-pin screw connector

Camos 6Pol on 8Pol CCI camera

Art.-No: 650898



Description:

- Adapter 8-pin CCI camera to CWM monitor

Orlaco on CLS-/CLX camera

Art.-No: 650846



Description:

- Adapter for connecting a CLS/CLX series camera to an Orlaco monitor

MLS-/MLX monitor on 4Pol Orlaco camera

Art.-No: 650910

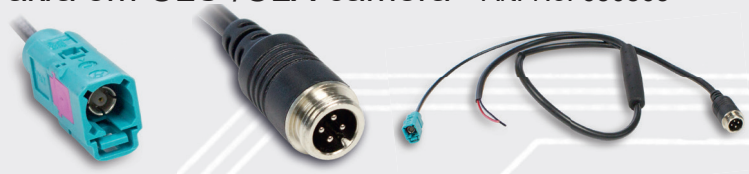


Description:

- Adapter for connecting an Orlaco camera to an MLS/MLX series monitor

Fakra om CLS-/CLX camera

Art.-No: 650863



Description:

- Adapter for connecting a camera of the CLS/CLX series to a monitor with Fakra connector

Adapter

Commercial vehicles

MLS-/MLX monitor on Fakra plug

Art.-No: 651426



Description:

- Adapter for connecting a camera with a Fakra connector to an RT monitor of the MLS/MLX series
- Cable length approx. 30 cm

MLS-/MLX monitor on Motec-5Pol camera

Art.-No: 650920



Description:

- Adapter for connecting a Motec 5-pin camera to an RT-MLS/MLX monitor

Motec-5Pol on CLS-/CLX camera

Art.-No: 651016

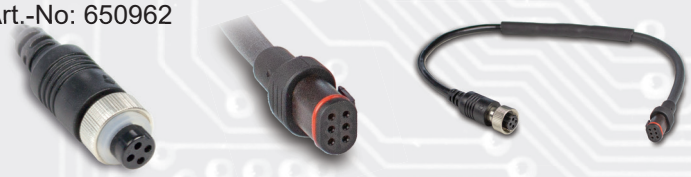


Description:

- Adapter for connecting a camera with a 4-pin connector to a Fendt terminal or Motec video cable 5-pin to RT-CLS/CLX camera

MLS-/MLX monitor on Mekra camera

Art.-No: 650962



Description:

- Adapter for connecting an MLS/MLX monitor to a Mekra camera

Mekra monitor on CLS-/CLX camera

Art.-No: 650958



Description:

- Adapter for connecting a Mekra monitor to a CLS/CLX camera

For your notes

Adapter

Agricultural vehicles

MLS-/MLX monitor on CCI camera

Art.-No: 650739



Description:

- Adapter for connecting a camera with 8-pin M12 connector to a monitor with 4-pin connector.

VM1 monitor on CLS-/CLX camera

Art.-No: 650797

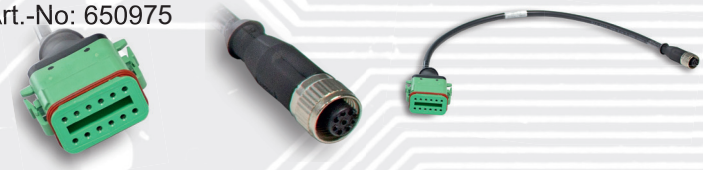


Description:

- Adapter for connecting a CLS/CLX series camera to a VM-1 monitor

CCI-1200 on CCI-8Pol camera

Art.-No: 650975



Description:

- Adapter for connecting an 8-pin
- CCI camera to the CCI-1200 terminal

CCI-1200 on CLS-/CLX camera

Art.-No: 651178



Description:

- Adapter for connecting a CLS/CLX camera to the CCI-1200 terminal

Installation adapter for Videounit FendtOne

Art.-No: 651280



Description:

- Retrofit kit for an analog camera input on the Fendt One. Installation on the connector panel in the pre-cut connector position.
- Connection to the camera control unit, which is located directly behind the storage compartments.

Fendt on 8Pol CCI camera

Art.-No: 650786



Description:

- Adapter for connecting an 8-pin CCI camera to the Fendt terminal

Fendt on CLS-/CLX camera

Art.-No: 650787



Description:

- Adapter for connecting a camera of the CLS/CLX series to the Fendt terminal

Valtra / MF Datatronic 4 on CLS-/CLX camera

Art.-No: 651099



Description:

- Adapter for Valtra / MF Datatronic to CLS/CLX camera

Adapter

Agricultural vehicles

John Deere 6R/CLAAS/Case 1-way on CLS-/CLX camera Art.-No: 650780



Description:

- Adapter for connecting a CLS/CLX camera to the GS3 CommandCenter Touch and Generation 4 4100 and 4600 CommandCenter Touch of the John Deere 6R series, also compatible with Claas and Case

John Deere 6R/CLAAS/Case 2-way on CLS-/CLX camera Art.-No: 650781



Description:

- Adapter for connecting two cameras of the CLS/CLX series to the GS3 Command-Center Touch and Generation 4 4100 and 4600 CommandCenter Touch of the John Deere 6R series, also compatible with Claas and Case

John Deere 6R/CLAAS/Case on 8Pol CCI camera Art.-No: 650864



Description:

- Adapter for connecting an 8-pin CCI camera to the GS3 CommandCenter Touch and Generation 4 4100 and 4600 CommandCenter Touch of the John Deere 6R series

John Deere Green Star3 2630 on CLS-/CLX camera Art.-No: 650874



Description:

- Adapter for connecting up to 3 CLS/CLX series cameras to the GreenStar3 2630 color monitor

John Deere 7R/8R/9R on CLS-/CLX camera

Art.-No: 650875



Description:

- Adapter for connecting a camera of the CLS/CLX series to the GS3 CommandCenter Touch and Generation 4 4100 and 4600 CommandCenter Touch of the John Deere 7R/8R/9R series

John Deere 4240/4640 on CLS-/CLX camera

Art.-No: 651007



Description:

- Adapter for connecting a camera of the CLS/CLX series to the GS3 CommandCenter Touch and Generation 4 4240 and 4640 CommandCenter Touch from John Deere

Deutz I monitor2 on CLS-/CLX camera

Art.-No: 650882

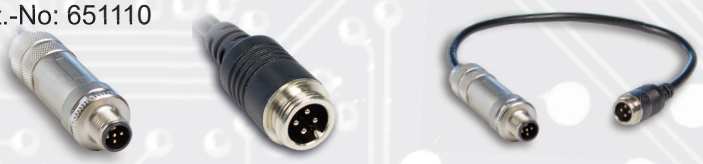


Description:

- Adapter for connecting a camera of the CLS/CLX series to a Deutz-Fahr I-Monitor2

Deutz I monitor on CLS-/CLX camera

Art.-No: 651110



Description:

- Adapter for connecting a camera of the CLS/CLX series to a Deutz-Fahr I monitor

Adapter

Agricultural vehicles

Amazone 7-Pol on CLS-/CLX camera 2-way

Art.-No: 651546



Description:

- Adapter for connecting two cameras of the CLS/CLX series to an Amazone display
- Cable length 300 mm

Müller Touch 800 on CLS-/CLX camera

Art.-No: 650817



Description:

- Adapter for connecting a CLS/CLX series camera to a Müller touchscreen display
- Also suitable for Amazone Amatron 4

Müller/Claas camera on MLS-/MLX monitor

Art.-No: 651102



Description:

- Adapter for connecting a Müller/Claas camera to an RT-MLS/MLX monitor

Claas S10 on CLS-/CLX camera 1-way

Art.-No: 650947



Description:

- Adapter for connecting a CLS/CLX camera to the Claas S10 terminal

Claas S10 on CLS-/CLX camera 4-way

Art.-No: 650948



Description:

- Adapter for connecting 4 CLS/CLX cameras to the Claas S10 terminal

Claas CAM3 on CLS-/CLX camera

Art.-No: 650976



Description:

- Adapter for connecting a CLS/CLX camera

Claas Proficam 4 on CLS-/CLX camera

Art.-No: 651235

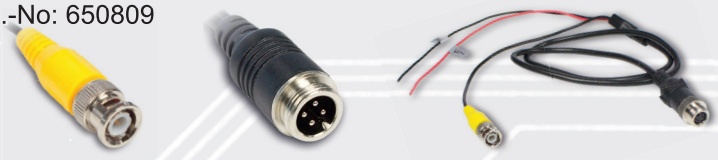


Description:

- Adapter for connecting a CLS/CLX camera to the Claas Proficam 4

BNC Case on CLS-/CLX camera

Art.-No: 650809



Description:

- Camera/monitor adapter for Case-IH AFS Pro 200, 300, 700 & New Holland IntelliView II, III, IV systems

Other adapters

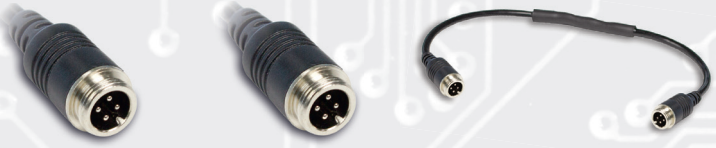
RT-4Pol both sides female Art.-No: 651043



Description:

- Adapter for connection

RT-4Pol both sides male Art.-No: 651039



Description:

- Adapter for connection

5Pol on 4Pol CLS-/CLX camera

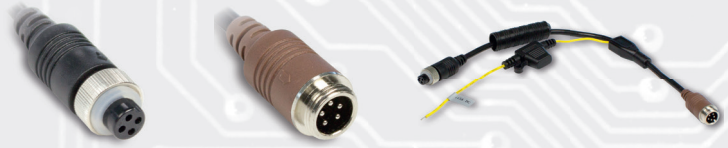
Art.-No: 651004



Description:

- Adapter for connecting a 4-pin camera to an MLS-73S monitor with a 5-pin connector.

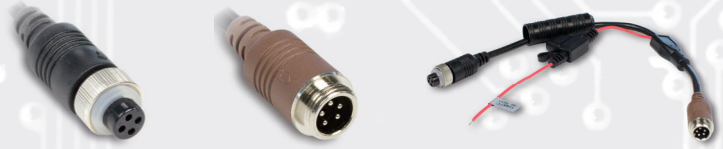
4Pol on 5Pol shutter camera Art.-No: 650793



Description:

- Adapter for connecting a shutter camera with a 5-pin female connector to 4-pin (RT-)MLS/MLX monitors

4Pol on 5Pol shutter camera Art.-No: 650794

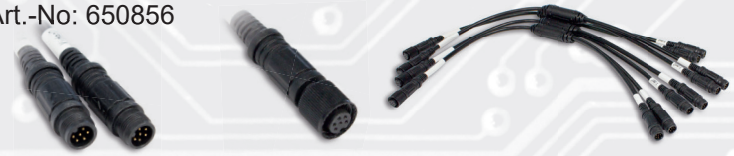


Description:

- Adapter for connecting a shutter camera with a 5-pin female connector to 4-pin (or adapted) monitors from other manufacturers.

Video-Signal-Splitter for data recorder

Art.-No: 650856



Description:

- Set consisting of 4 splitter cables for connecting the 4 cameras (360° Bird-View) to the data recorder

TomTom Bridge on CLS-/CLX camera

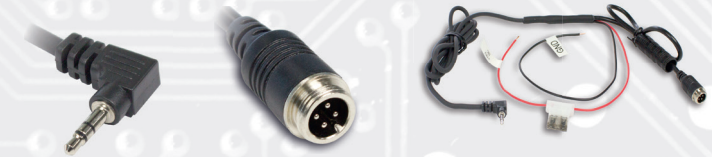
Art.-No: 650894



Description:

- Adapter for connecting a CLS/CLX series camera to a TomTom BRIDGE / PRO 82xx with camera input

Garmin on CLS-/CLX camera Art.-No: 650769



Description:

- Adapter for connecting a CLS/CLX series camera to a Garmin DEZL 770LMT navigation system

Other adapters

MLS-/MLX monitor on Mini-DIN socket with screw cap female Art.-No: 650807



Description:

- External thread dimensions: 13.7 × 1.0 mm
- Also suitable for Motec

Mini-DIN plug on CLS-/CLX camera

Art.-No: 650907



Description:

- Adapter for connecting a CLS/CLX series camera
- External thread dimensions: 13.7 × 1.0 mm, also compatible with Motec

CLS-/CLX camera on 4Pol-Mini-DIN plug

Art.-No: 650930

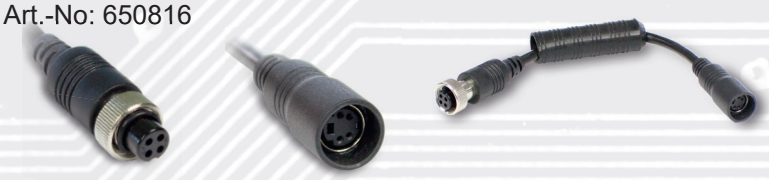


Description:

- Adapter for connecting a 4-pin CLS/CLX camera to a 4-pin mini-DIN monitor, male on both sides

MLS-/MLX monitor on 4Pol-Mini-DIN socket

Art.-No: 650816

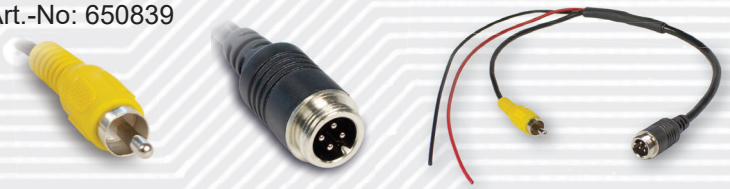


Description:

- Adapter for connecting a Mini-DIN camera to an MLS/MLX monitor, female connectors on both sides

Cinch-plug + voltage on CLS-CLX camera

Art.-No: 650839



Description:

- onnecting a CLS/CLX series camera to a monitor with RCA connectors. Includes RCA-to-female adapter.

MLS-/MLX monitor on RCA Art.-No: 650785



Description:

- Adapter for connecting video sources with RCA male connectors to 4-pin monitors

MLS-/MLX monitor on Cinch camera

Art.-No: 651430



Description:

- Adapter for connecting a camera with RCA connectors to an RT monitor of the MLS/MLX series
- Cable length approx. 30 cm

Other adapters

CLS-/CLX camera on 6Pol-Mini-DIN socket

Art.-No: 650824



Description:

- Adapter for connecting a camera of the CLS/CLX series to a Waeco monitor (old version)

MLS-/MLX monitor on 6Pol-Mini-DIN socket

Art.-No: 650912



Description:

- Adapter for connecting an RT-MLS/ MLX monitor to a Waeco camera (old version)

MLS-/MLX monitor on 6-Pol screw cap

Art.-No: 651282



Description:

- Adapter for connection

CLS-CLX camera on 6-Pol screw cap

Art.-No: 651075

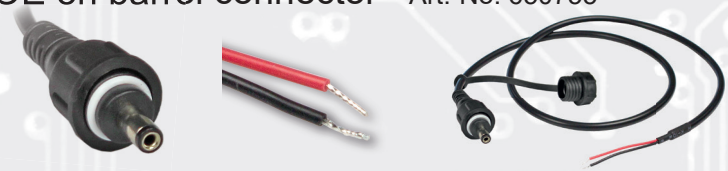


Description:

- Adapter for connection

OE on barrel connector

Art.-No: 650755



Description:

- Adapter for connecting the power supply of wireless cameras or for charging the battery pack

Voltage converter 24 on 12 V

Art.-No: 650953



Description:

- Voltage conversion adapter from input voltage: 24 V to output voltage: 12 V

Universal car charging cable 12-24 V

Art.-No: 651011



Description:

- Adapter for charging a battery via a cigarette lighter socket
- Input voltage: 12 - 24 V
- Output voltage: 12 V (1 A)

plug-in power supply 12 V (1 A) on barrel connector

Art.-No: 650791



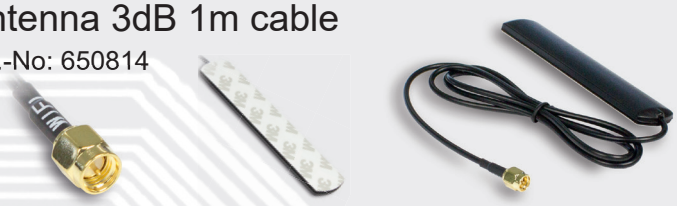
Description:

- Plug-in power supply for charging a battery pack

Accesories

Antenna 3dB 1m cable

Art.-No: 650814



Description:

- Alternative to rod antennas, 3dB antenna for connection to a wireless camera, a wireless monitor, or the RBW-01 (cable length: 1 m)
- Assembled with 3M adhesive film

Antenna 3dB 3m cable

Art.-No: 650815



Description:

- Alternative to rod antennas, 3dB antenna for connection to a wireless camera, a wireless monitor or RBW-01 (cable length: 3 m)
- Assembled with 3M self-adhesive film

Antenna 3dB 5m cable

Art.-No: 650925



Description:

- Alternative to rod antennas, 3dB antenna for connection to a wireless camera, a wireless monitor or RBW-01 (cable length: 5 m)
- Assembled with 3M self-adhesive film

Cable antenna extension 3/5m

Art.-No: 651293 (3 m), Art.-No: 651294 (5 m)



Description:

- Extension cable for cable antennas
- Cable lengths: 3 or 5 m

Antenna 3dB Art.-No: 650812



Description:

- 3dB antenna for connection to a wireless camera CWL-60, 120, 150, height: approx. 135 mm

Antenna 5dB Art.-No: 650813



Description:

- 5dB antenna for connection to a wireless monitor, height: approx. 210 mm

Antenna for CLW-120 AM Art.-No: 650967

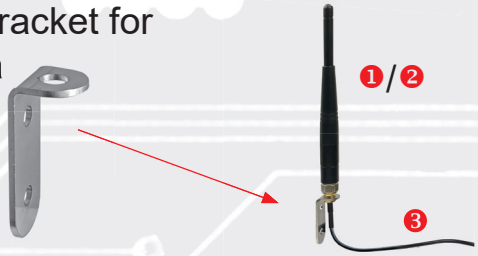


Description:

- Replacement antenna for wireless camera CLW-120 AM, height: approx. 120 mm

Stainless steel bracket for external antenna

Art.-No: 651425



Description:

- Mounting bracket for an antenna (650812 & 650813) in combination with extension cable (651293 & 651294)
- Assembled with self-adhesive film

Accesories

Magnetic base for cameras with holding force of up to 25 kg

Art.-No: 650754



Description:

- Magnetic base for a camera
- Holding force: 25 kg
- Dimensions: Ø 66.0 × 8.5 mm
  Internal thread M6

Magnetic base for cameras with holding force of up to 65 kg

Art.-No: 650818



Description:

- Magnetic base for a camera
- Holding force: 65 kg
- Dimensions: Ø 48.0 × 11.5 mm
  Internal thread M8

TFT LCD Monitor Suction Cup Mount / Monitor Mount

Art.-No: 650823



Description:

- Suction cup mount for any monitor suitable for the MLS, MLX & MLW series,with two screw joints for optimal adjustment
- Dimensions: Ø 48 mm, height 180 mm

RAM-Mount Double Ball Suction Cup Mount

Art.-No: 651191



Description:

- Suction cup mount for any monitor suitable for the MLS, MLX & MLW series, with two ball joints with screw fixing for optimal adjustment
- Dimensions: Ø 85 mm, height 175 mm

Monitor mount Ball head

Art.-No: 650866



Description:

- Monitor mount suitable for any monitor in the MLS, MLX & MLW series, with ball joint for individual adjustment
- Dimensions: Mounting surface: approx. 100 × 96 mm, height 75 mm

Universal car connector with LED (up to 2 A)

Art.-No: 650796



Description:

- Car plug (cigarette lighter plug) with integrated 2A fuse and LED for self-assembly

Accesories

Blind plug 4Pol female
Art.-No: 650811



Description:

- Blind plug for monitors of the MLS/MLX series

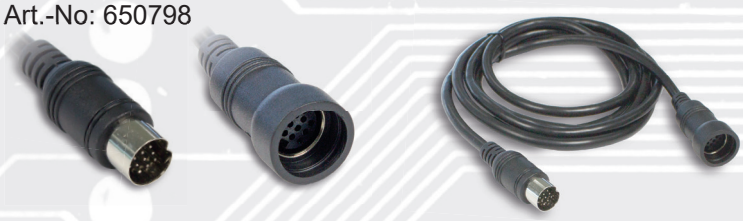
Blind plug 4Pol male
Art.-No: 651114



Description:

- Blind plug for monitors
- of the MLS/MLX series

Monitor system cable extension 13Pol
Art.-No: 650798



Description:

- 13-pin monitor cable extension
- Suitable for MLS-53 & MLS-73 monitors

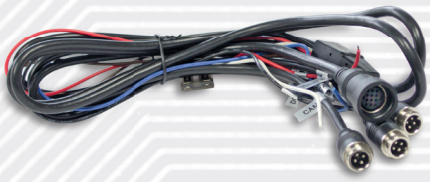
Wiring harness for MLW monitor
Art.-No: 650902



Description:

- Wiring harness for MLW monitor

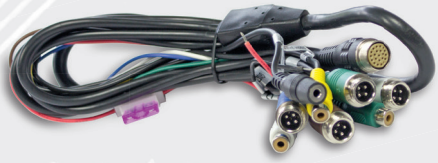
Wiring harness for monitor MLS-53/MLS-73
Art.-No: 650968



Description:

- Wiring harness for RT monitors MLS-53 and MLS-73

Wiring harness for monitor MLX-74TS/MLX-74TS-WR
Art.-No: 650969



Description:

- Wiring harness for RT monitors MLX-74TS and MLX-74TS-WR

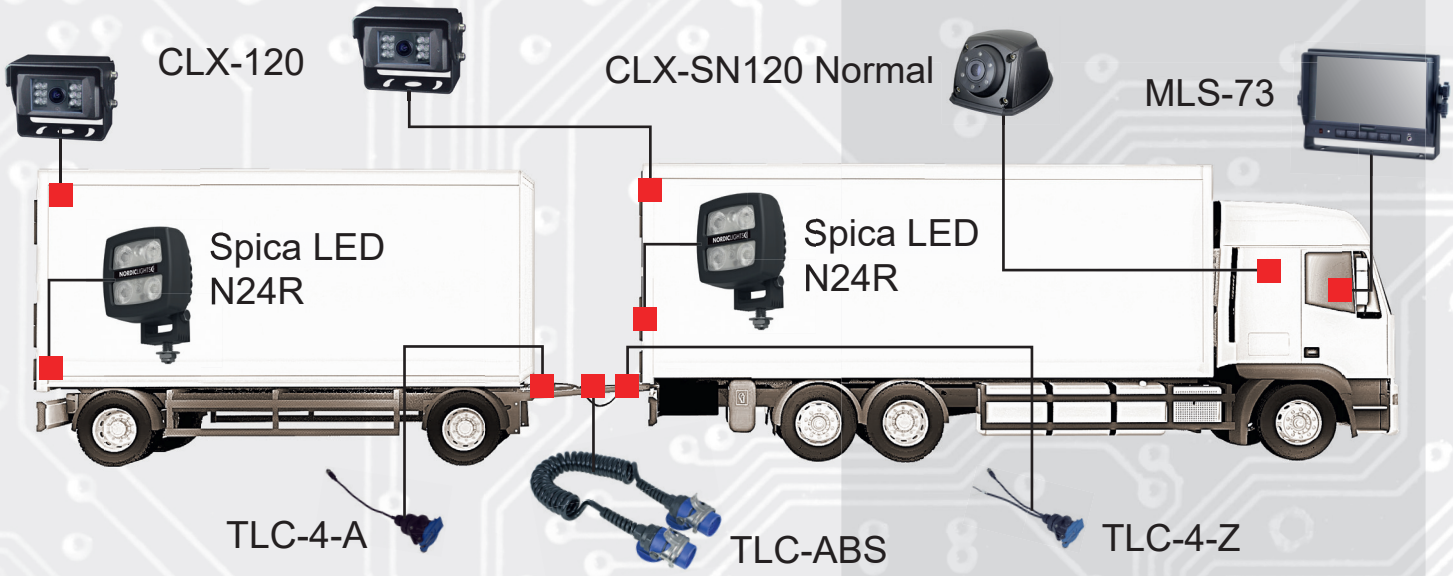
Wiring harness for monitor MLX-73S
Art.-No: 651006

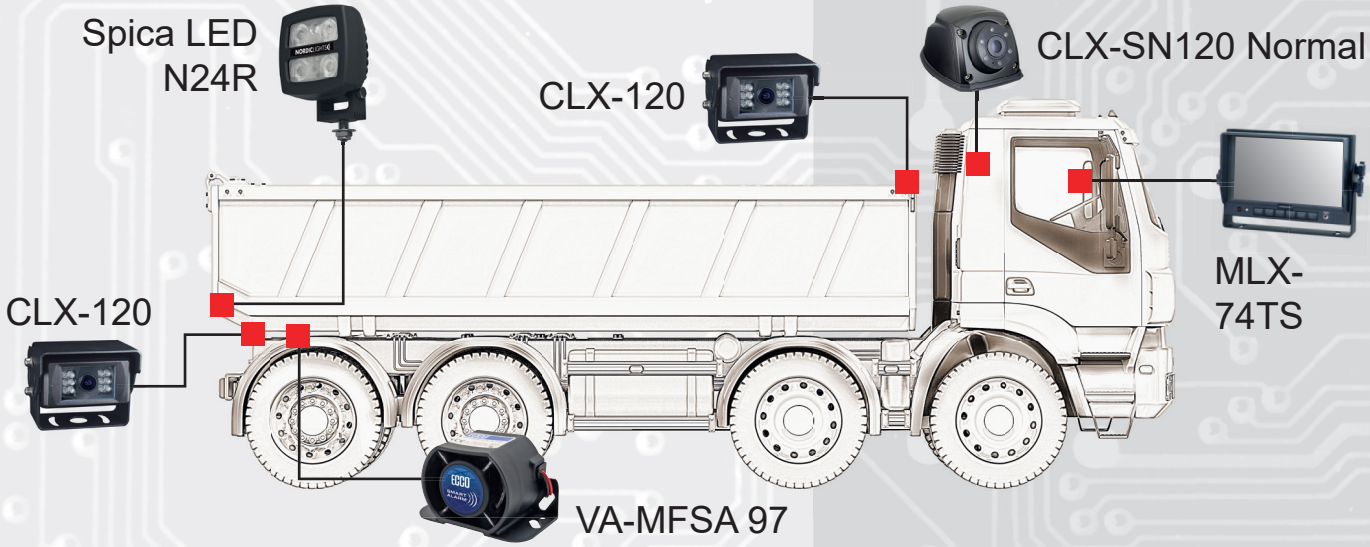


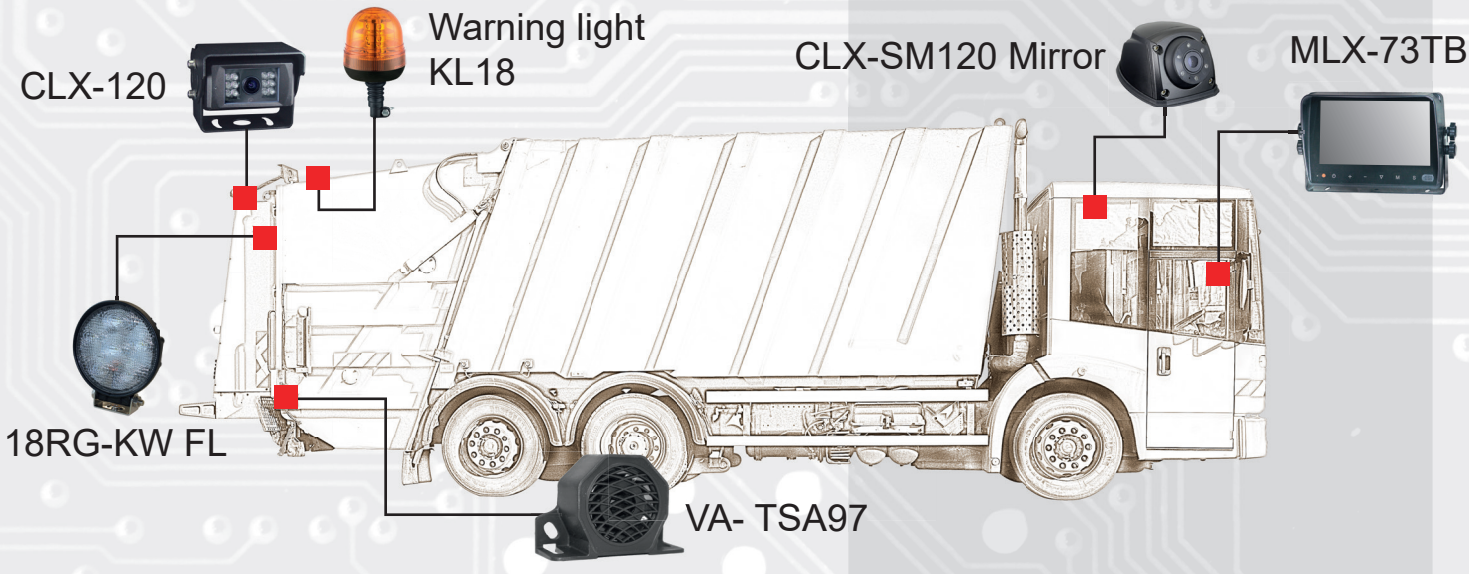
Description:

- Wiring harness for RT monitor MLX-73S

Applications



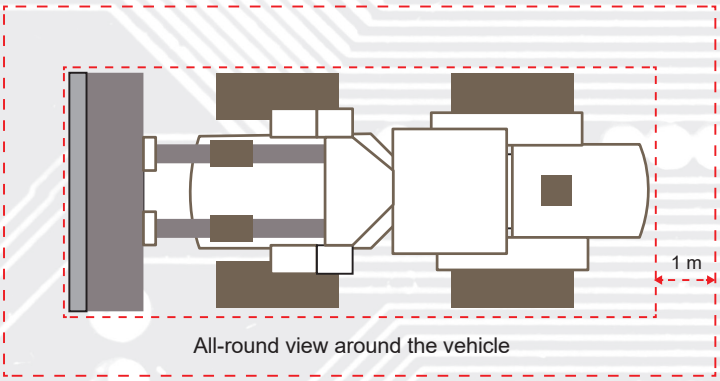




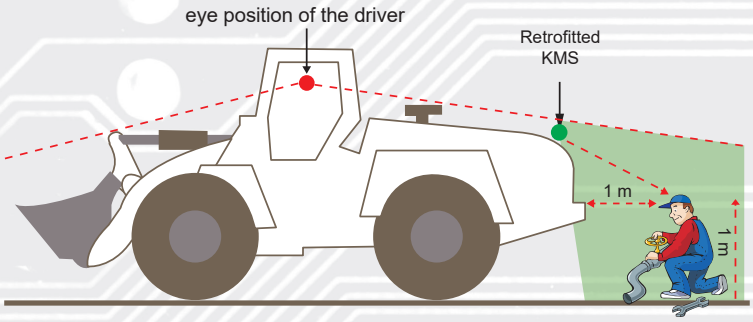
Visibility requirement

Verification of the field of vision according to DIN EN 474-1:2018 / ISO 5006:2017 in the immediate vicinity of new earthmoving machines

This applies to both new and existing machines:
Always check whether the driver can see a person working in the immediate vicinity in front of, behind or, if necessary, next to the machine (e.g. excavator) in a slightly bent or kneeling position.



All-round view around the vehicle



Description:

- What must the operator of construction machinery be able to see in the danger zone?
- With the version of the standard DIN EN 474-1:2018 that has been valid since March 2019, the requirements for the field of vision have been improved.
- For new earthmoving machines, the minimum requirements now depend on the machine type and weight class. ISO 5006:2017 must be observed in this regard.

Recommendation for improving the view:

- Direct line of sight must always take priority.
- Mount sight aids facing forward.
- Don not obstruct sight aids with moving parts.
- Do not obstruct sight aids with modifications or additions.
- Do not use mirror-to-mirror systems.

As an employer, keep yourself informed about the latest technological advancements.

Legend

Color	PAL color system	4Pol-male connection	4Pol-female connection	Deutsch plug
Digital wireless	NTSC	4Pol-male connection High definition	5Pol-female connection	Cable ends open
Screen size	Anlog HD	5Pol-male connection	6Pol-female connection	magnetic
Touchscreen	High definition	6Pol-male connection	COAX POC-plug	For use on industrial trucks and conveyors
IR-LED	Beam angle	8Pol-male connection	Super-Seal plug	E-approval
crane tested				

Funding programs

Funding is provided for measures to increase safety, e.g., reversing camera systems, complete camera systems, etc.

Possibility 1:

Funding program „Umweltschutz und Sicherheit“

(formerly „de minimis“) The Federal Office for Logistics and Mobility (BALM) provides investment aid to freight transport companies with vehicles weighing 7.5 tons or more. Non-repayable grants of up to €2,000 per truck and up to €33,000 per company per year are awarded within the limits of available budgetary resources. Due to high demand, no further funding has been available since mid-April 2026. Updates on further developments will be provided regularly.

Possibility 2:

Funding program for camera-monitor systems via BG Bau (German Social Accident Insurance Institution for the Construction Industry)

Retrofitting construction machinery and construction site trucks (from 3.0 t GVW) with a reversing camera monitor system (KMS) is subsidized with 50% of the purchase costs / max. €500.

Requirements and guidelines for occupational safety bonuses

Funding program for turning assistance systems via BG Bau (German Social Accident Insurance Institution for the Construction Industry)

Retrofitting construction machinery and construction site trucks (from 3.5 t GVW) with a reversing camera monitor system (KMS) is subsidized with 50% of the purchase costs / max. €500.

Requirements and guidelines for occupational safety bonuses

Camera-based person detection with AI

Funding according to GS Bau-71

Possibility 1:

The German Social Insurance Institution for Agriculture, Forestry and Horticulture (SVLFG) subsidizes camera-based person detection systems that have been tested by an accredited testing body according to the GS BAU-71 testing standard, up to a maximum of €500 per system.

See RT AI System page 30.

Possibility 2:

The BG-Bau (German Social Accident Insurance Institution for the Construction Industry) subsidizes 50% of the purchase price of a camera-based personnel detection system, up to a maximum subsidy of €2,500.

Requirements and information for occupational safety bonuses

See RT AI System page 30.

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the Quadcon product range.

We are among the largest
OEM manufacturers of control and
operating devices for mobile machinery.

Please request information material.





Test our products under real-world conditions on site

- Monitors
- Cameras
- Headlights
- Warning lights

On-site service

**RT show car
is coming to you!**







VEHICLE-

Safety technology

DEVELOPED & PRODUCED IN NRW GERMANY



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