



MEKRA Lang Camera Monitor Systems

... when it is quality that matters most

Made in Germany

The MEKRA LANG Camera

... our flagship product for all your needs

System 1301

Made in Germany

CMOS Camera



IP rating	IP 69 K: resistant to high-pressure cleaning, dust-proof
Special feature	Heated and extra hardened front glass
Sensor	CMOS color sensor
Aperture angle	28°/50°/70°/100°/120°/130°
Shock resistance	50 G
Operating voltage	10 - 36 V
Temperature range	-40°C to + 85°C
Dimensions	65 x 59 x 50 mm (W x H x D)
Weight	approx. 180 g

#	Item no.	Video format	Aperture angle
01	28.1301.002.099	PAL	100°
02	28.1301.001.099	NTSC	100°
03	28.1301.004.099	PAL	120°
04	28.1301.003.099	NTSC	120°

CMOS Spherical Camera



IP rating	IP 69 K: resistant to high-pressure cleaning, dust-proof
Special feature	Heated and extra hardened front glass
Sensor	CMOS color sensor
Aperture angle	70°/100°/120°
Shock resistance	50 G
Operating voltage	10 - 36 V
Temperature range	-40°C to + 85°C
Dimensions	55 x 48.7 mm (Dia. x D)
Weight	approx. 152 g

#	Item no.	Video format	Aperture angle
A	28.1301.014.099	PAL	100°
B	28.1301.013.099	NTSC	100°
C	28.1301.038.099	PAL	120°
D	28.1301.039.099	NTSC	120°

Low-distortion MEKRA Lang cameras (for reducing "fisheye effect") are also available.

Camera Brackets



#	Item no.	Item name	Dimensions	Material
05	11.1301.017.099	Standard bracket	90 x 100 x 73 mm (W x H x D)	ABS plastics, black, UV resistant
06	11.1200.502.099	Mounting bracket with protective hood	87 x 74 x 74 mm (W x H x D)	Stainless steel
07	20.5640.101	Magnetic base for camera bracket	66 x 18 mm (Dia. x Height)	Rubber-coated neodyme magnet
E	20.5620.601	Standard bracket for spherical camera	80 x 71 x 28 mm (W x H x D)	ABS plastics, black, UV resistant

Our Monitors

... the preferred choice of professionals

Monitor

MEKRA Lang 7" TFT-LED Monitor



IP rating	IP 65
Video system	NTSC / PAL
Operating voltage	12 / 24 V
Temperature range	-30°C to + 85°C
Split-screen function	Concurrent display of up to four camera images
Camera inputs	4
Resolution	800 x 480 pixels (16:9)
Brightness	500 cd/m ²
Contrast ratio	600:1
Dimensions	188 x 120 x 45 mm (W x H x D)
Connection	AMP

#	Item no.	Item name
08	24.1301.501.099	7" TFT-LED Quad Monitor
F	24.1301.512.099	7" TFT-LED Surround View Monitor

F Camera images can be rotated in 90° increments / 4 camera images displayed in H view 

7" TFT-LCD Monitor



Video system	NTSC / PAL
Operating voltage	12 / 24 V
Temperature range	-20°C to + 70°C
Camera inputs	2
Resolution	800 x 480 pixels (16:9)
Brightness	400 cd/m ²
Contrast ratio	500:1
Dimensions	190 x 122 x 30 mm (W x H x D)
Connection	Mini Din

#	Item no.	Item name
09	24.1306.500.099	7" TFT-LCD Monitor

Monitor Accessories

Cables

IP rating IP 69 K: resistant to high-pressure cleaning

Temperature range -40°C to + 120°C

ADR tested, resistant to UV rays, oil, and gasoline

#	Item no.	Item name	Length
10	09.1301.003.099	Camera-to-MEKRA monitor direct connecting cable with AMP connector	5 m
11	09.1301.004.099	Camera-to-MEKRA monitor direct connecting cable with AMP connector	11 m
12	09.1301.005.099	Camera-to-MEKRA monitor direct connecting cable with AMP connector	16 m
13	09.1301.006.099	Camera-to-MEKRA monitor direct connecting cable with AMP connector	21 m



Monitor/ECU-to-Multi Cable Adapter

#	Item no.	Item name	Length
14	09.5610.360	MEKRA monitor/ECU-to-multi cable adapter	0.5 m
G	09.5610.352	Mini DIN monitor-to-multi cable adapter	0.5 m



Cable Connections

... for all-around compatibility

Multi Cables, Direct Connecting Cables, ABS Socket


Cables

IP rating IP 69 K: resistant to high-pressure cleaning


Temperature range -40°C to + 120°C

ADR tested, resistant to UV rays, oil, and gasoline


#	Item no.	Item name	Length
15	09.5610.111	Multi cable	5 m
16	09.5610.121	Multi cable	11 m
17	09.5610.131	Multi cable	16 m
18	09.5610.141	Multi cable	21 m



#	Item no.	Item name	Length
19	09.1201.007.099	Camera-to-monitor direct connecting cable with Mini DIN connector	5 m
20	09.1201.006.099	Camera-to-monitor direct connecting cable with Mini DIN connector	11 m
21	09.1201.008.099	Camera-to-monitor direct connecting cable with Mini DIN connector	16 m
22	09.1201.009.099	Camera-to-monitor direct connecting cable with Mini DIN connector	21 m




#	Item no.	Item name	Length
23	09.5610.310	MEKRA-to-7-pin ABS socket (tractor vehicle)	0.5 m
24	09.5610.320	7-pin ABS socket-to-MEKRA (semi truck)	0.5 m
25	09.5610.225	Spiral cable ABS socket	3 m
26	09.1201.012.099	7-pin ABS plug-to-MEKRA (trailer)	16 m
27	09.1301.500.001	Direct connecting cable-to-MEKRA monitor and ABS socket, comprising 11 23	11 m
28	09.1301.502.001	Direct connecting cable-to-MEKRA monitor and ABS socket, comprising 12 23	16 m
29	09.1301.501.001	ABS socket and cable-to-camera, comprising 18 24	21 m
H	08.5610.110	ABS parking socket	




Adapter-to-OE Navigation System

#	Item no.	Item name	Manufacturer of OE Interface
30	09.1301.107.099	Adapter-to-OE navigation system - 1 camera	IVECO with SW2910
31	09.1301.062.001	Adapter-to-OE navigation system - 1 camera	MAN 351LZ
32	09.6000.001.000	Adapter-to-OE navigation system - 1 camera	MERCEDES with J9J
33	09.1301.108.099	Adapter-to-OE navigation system - 1 camera	VOLVO with BUP-MON
34	09.1301.140.001	Adapter-to-OE navigation system - 1 camera	MAN with 351 MA, ME, MF, MC



Example 32

#	Item no.	Item name	Manufacturer of OE Interface
35	08.5600.503.099	Control box-to-OE navigation system for up to 4 cameras	IVECO with SW2910
36	08.5600.504.003	Control box-to-OE navigation system for up to 4 cameras	MAN with 351LZ
37	08.5600.501.002	Control box-to-OE navigation system for up to 4 cameras	MERCEDES with J9J
38	08.5600.505.003	Control box-to-OE navigation system for up to 4 cameras	MAN with 351 MA, ME, MF, MC
39	08.5600.502.003	Control box-to-OE navigation system for up to 4 cameras	DAF / SCANIA 5* / MAN without 351LZ



Example 36

#s A through H can be utilized for customized configuration of camera systems.

Camera Monitor System Compatible with all Brands

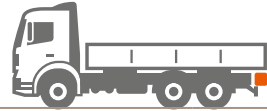
For trucks - including MEKRA Lang monitor

Single-unit Truck Camera installed high



Item no. 61.1301.027.099
Comprising the following #s: 01 05 08 14 17

Camera installed low



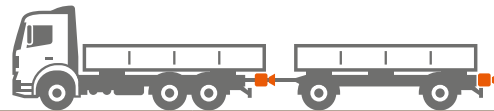
Item no. 61.1301.032.099
Comprising the following #s: 03 06 08 14 17

Tractor Trailer Camera installed high



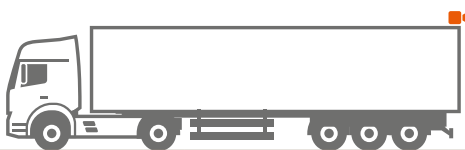
Item no. 61.1301.028.099
Comprising the following #s: 2x01 2x05 08 2x14 2x17 23 26

Camera installed low



Item no. 61.1301.031.099
Comprising the following #s: 2x03 2x06 08 2x14 2x17 23 26

Semi Truck Camera installed high



Item no. 61.1301.029.099
Comprising the following #s: 01 05 08 14 15 18 23 24 25

Camera installed low



Item no. 61.1301.030.099
Comprising the following #s: 03 06 08 14 15 18 23 24 25

Camera System for OE Navigation

For trucks

Single-unit Truck Camera installed high



Manufacturer	Item no.	Comprising the following #s:
IVECO with SW2910	61.1301.038.099	01 05 17 30
MAN with 351 MA, ME, MF, MC	61.1301.015.099	01 05 12 34
MERCEDES with J9J	61.1301.024.099	04 06 17 32
VOLVO with BUP-MON	61.1301.039.099	01 05 17 33
DAF, SCANIA 5*	61.1301.053.099	01 05 12 39

Single-unit Truck Camera installed low



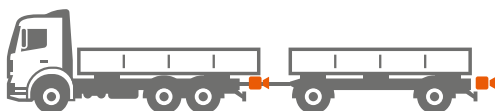
Manufacturer	Item no.	Comprising the following #s:
IVECO with SW2910	61.1301.033.099	03 06 17 30
MAN with 351 MA, ME, MF, MC	61.1301.018.099	03 06 12 34
MERCEDES with J9J	61.1301.024.099	04 06 17 32
VOLVO with BUP-MON	61.1301.042.099	03 06 17 33
DAF, SCANIA 5*	61.1301.054.099	03 06 12 39

Tractor Trailer Camera installed high



Manufacturer	Item no.	Comprising the following #s:
IVECO with SW2910	61.1301.037.099	2x01 2x05 2x14 2x17 23 26 35
MAN with 351 MA, ME, MF, MC	61.1301.016.099	2x01 2x05 12 26 28 38
MERCEDES with J9J	61.1301.025.099	2x04 2x06 2x14 2x17 23 26 37
VOLVO with BUP-MON	61.1301.040.099	2x01 2x05 2x17 23 26 2x33
DAF, SCANIA 5*	61.1301.055.099	2x01 2x05 12 26 28 39

Tractor Trailer Camera installed low

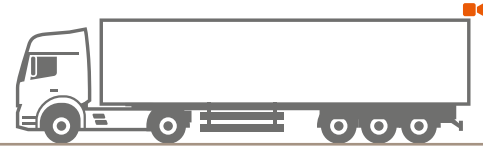


Manufacturer	Item no.	Comprising the following #s:
IVECO with SW2910	61.1301.034.099	2x03 2x06 2x14 2x17 23 26 35
MAN with 351 MA, ME, MF, MC	61.1301.019.099	2x03 2x06 12 26 28 38
MERCEDES with J9J	61.1301.025.099	2x04 2x06 2x14 2x17 23 26 37
VOLVO with BUP-MON	61.1301.043.099	2x03 2x06 2x17 23 26 2x33
DAF, SCANIA 5*	61.1301.056.099	2x01 2x06 12 26 28 39

Camera System for OE Navigation

For trucks

Semi Truck Camera installed high



Manufacturer	Item no.	Comprising the following #s:
IVECO with SW2910	61.1301.036.099	01 05 15 18 23 24 25 30
MAN with 351 MA, ME, MF, MC	61.1301.017.099	01 05 25 27 29 34
MERCEDES with J9J	61.1301.026.099	04 06 15 18 23 24 25 32
VOLVO with BUP-MON	61.1301.041.099	01 05 15 18 23 24 25 33
DAF, SCANIA 5*	61.1301.057.099	01 05 25 27 29 39

Semi Truck Camera installed low



Manufacturer	Item no.	Comprising the following #s:
IVECO with SW2910	61.1301.035.099	03 06 15 18 23 24 25 30
MAN with 351 MA, ME, MF, MC	61.1301.020.099	03 06 25 27 29 34
MERCEDES with J9J	61.1301.026.099	04 06 15 18 23 24 25 32
VOLVO with BUP-MON	61.1301.044.099	03 06 15 18 23 24 25 33
DAF, SCANIA 5*	61.1301.058.099	03 06 25 27 29 39

Camera Monitor System

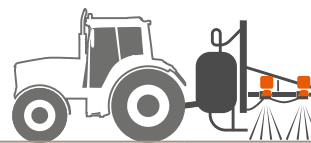
For agricultural machines - including MEKRA Lang monitor

Farm Tractor



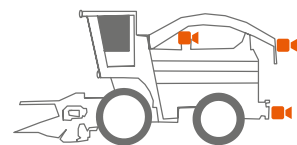
Item no.	Comprising the following #s:
61.1301.051.099	03 06 09 19

Farm Tractor with Field Sprayer



Item no.	Comprising the following #s:
61.1301.052.099	2x01 2x06 08 2x11

Combine / Combine Harvester



Item no.	Comprising the following #s:
61.1301.059.099	2x01 03 3x06 08 3x14 3x17

Camera System for Front-Mounted Implements > 3,5m



In accordance with German regulations
("Verkehrsblatt 3/2016-180")
Certified by TÜV, DLG & DEKRA

Item no.	Designation
61.1301.061.099	Cross-traffic camera monitor system

MEKRA Lang - **passion** for excellence.

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Contents are subject to change.
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