



Radio System MWD

Product information sheet with application samples



Technical Data Transmitter / Receiver

Measurements	105 mm x 106 mm x 25 mm
Weight	315 g
Housing	Aluminum die casting
Operating Temperature	-20 °C bis +70 °C
Storage Temperature	-30 °C bis +80 °C
Operating Voltage Transmitter	10 - 32 V DC
Output Voltage Transmitter	12 V DC
Operating Voltage Receiver	10 - 32 V (via connection to the monitor)
Video Format	PAL/NTSC
Reception Strength	-89 dBm
Protection Class	IP 69K
Frequency Range	5,84 GHz
Radiant Power	max. 25 mW
Plug	IP 69K (MEKRA-side) Ø < 18 mm
Available Channels	8

Data Radio Link

Radio Frequency	2400 - 2483,5 MHz
Data Transmission	FHSS
Transmission Rate	4 Mbps
Compression	MPEG4
Latency	120 ms
Range	Max. 120 m (no obstacles)



A continuous wired video link is not always feasible. This is where **MEKRA^{tronics} Video-Radio System** provides a remedy.

In the frequency range of 5.84 GHz, the video signal is transmitted in frequency hopping mode. This ensures low-latency and virtually interference-free image transmission.

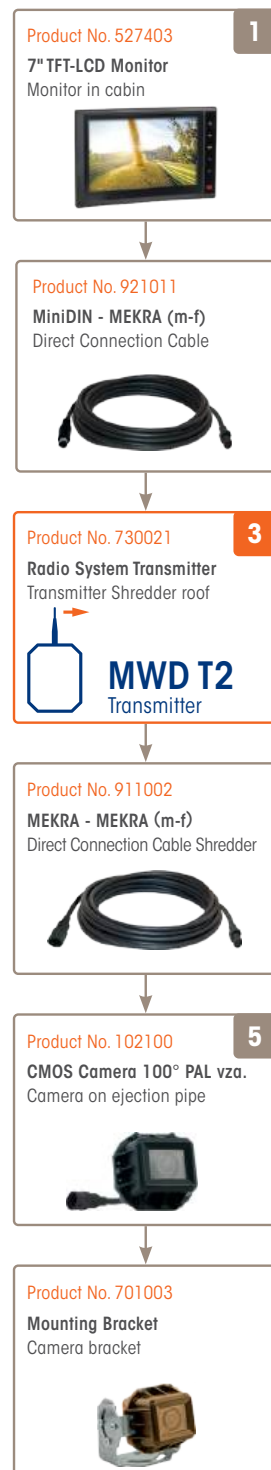
The system is extremely robust and resistant to high-pressure cleaners. This opens up a wide variety of application possibilities under harshest conditions. This is complemented by the proven MEKRA Lang IP 69K plug-in connection, which enables fast waterproof assembly

In both large and small plants, the radio system can be used to view processes and distribute them to several recipients: For example, the fill level of a loader car can be sent to several feeder vehicles. If the connection is interrupted or disturbed, the driver is informed by a warning.

The additional pairing lines (white + black) on the transmitter and receiver can be used to provide an additional button to pair the connection within reach of the user. This applies particularly if the receiver is to be installed in a location that is difficult to access and the push button is to be elegantly integrated into the instrument carrier..

Transmitter and receiver can be purchased separately, allowing modular expansion to multiple vehicles.

Our vision ... is safety!



You can find much more interesting information at any time on our YouTube channel. Take a look.





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