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# MVRD1000

Digital Radio System

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## MVRD1000

The MVRD1000 digital communication unit is a robust transmitter/receiver system for wireless image transmission. The compact units transmit the digital signals from a camera quickly and without delay to the monitor over long distances. Up to 10 device pairs operated in parallel offer high vehicle adaptation and visibility flexibility.



### Key Facts

- High range (up to 120 m)
- Digital transmission
- Up to 10 device pairs operated in parallel
- Robust metal housing
- Operating and status display
- Small, compact design
- Water and dust-proof (IP67)
- Robust plug connector
- Low power consumption

### Scope of supply

Video signal receiver	4050042000
Video signal transmitter	4050043000
Operating instructions	1030000169

### Accessories

Description	Match code	Scope of application
Connection cable	MK761.xx	For connection to vehicle on-board network.
System cable	MKSxx	For the camera/monitor cable or power supply.
Connection cable	M496.xx	For direct connection to a Motec monitor via Mini-DIN.
Connection cable	MK715.xx	For direct connection of a MB12xx or a MB14xx to the MVRD1000-TX instead of camera.

Please make sure that the cable lengths or product types (designated xx above) are customized to their application.

### Standards/Certificates/Quality Seals

- (E13) 10R - 05 13538

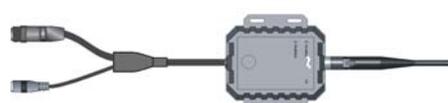
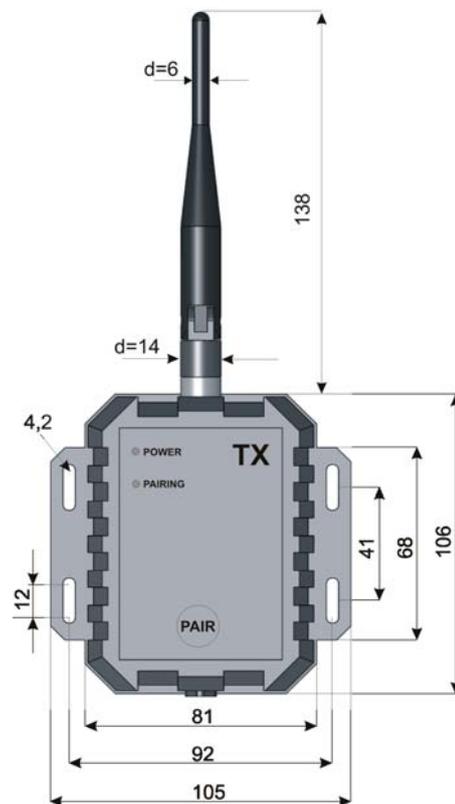
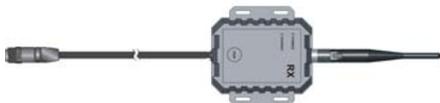
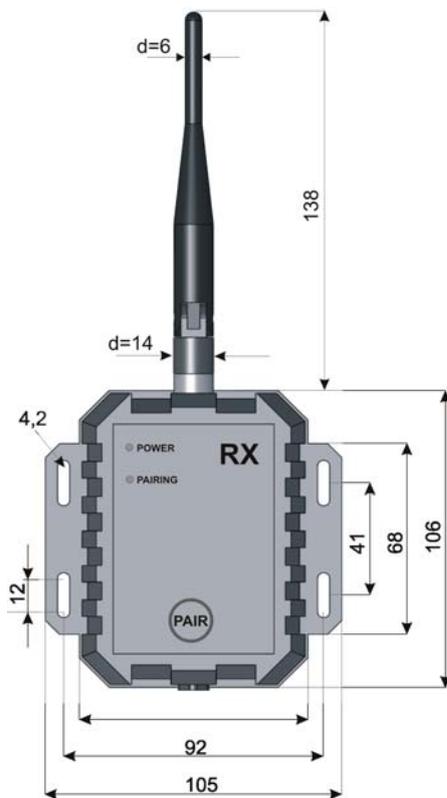


## Technical specifications

Video transmitter	MVRD1000-TX
Power Supply	9 V...32 V DC
Power Supply (Camera)	12 V DC
Power consumption	Max. 4,5 W
Housing protection class	IP67
Housing	Metal
Operating frequency	2400 MHz...2483,5 MHz
TV System	PAL 25 f/s/NTSC 30 f/s
Video-Codec	MPEG4
RF Bit Rate	6 Mbps
Hopping Rate	1200/s
Latency	200 ms
Out Power	18 dBm EIRP
Line of Sight Range	120 m
Operating Temperature	-20 °C...+70 °C RH90 %
Storing Temperature	-30 °C...+80 °C RH90 %

Video receiver	MVRD1000-RX
Power Supply	9 V...32 V DC
Power consumption	Max. 2 W
Housing protection class	IP67
Housing	Metal
Operating frequency	2400 MHz...2483,5 MHz
TV System	PAL 25 f/s/NTSC 30 f/s
Video-Codec	MPEG4
RF Bit Rate	6 Mbps
Hopping Rate	1200/s
Latency	200 ms
Spread spectrum	FHSS
Receiving Sensitivity	-86 dBm
Line of Sight Range	120 m
Operating Temperature	-20 °C...+70 °C RH90 %
Storing Temperature	-30 °C...+80 °C RH90 %

## All dimensions (mm)



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