

Passive VGA transmission set

Art.-Nr. TV8760

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Use this set to transmit VGA video signals via a twisted 4-pair cable - this can even be your existing CAT5 network wiring. Transmission ranges up to 135 meters can be achieved. In contrary to a coaxial cable, a VGA cable transmits the three primary colours red, green and blue on separate pins. This results in pictures of better quality. The transmission set consists of a transmitter module and a receiver module. You connect the transmitter module with VGA input to the VGA output of a computer. The receiver module with VGA output is connected to a monitor, a LCD projector or a notebook computer. Connection of the two modules is created via twisted 4-pair cables, i.e. CAT5 cables with RJ45 socket, UTP cables or STP cables. At a transmission range of 60 meters, a maximal resolution of 1280x1024 pixels (100 MHz) is possible at a transmission range of 135 meters, the possible resolution is 640x480 pixels (15 MHz).

Technologies

- Many applications: LCD projector systems, laptops, VGA monitors
- Transmission distance: up to 135 m (depending on resolution)
- Video transmission via twisted pair or network cables
- Video input/output: VGA-DSUB socket/RJ-45 socket
- Input signals 1 Vpp (75 Ω)

Technical data - Passive VGA transmission set

Cable type	CAT5 cable
Certifications	VGA, VESA VP
Dimensions	(W x H x D) 110 x 24 x 77 mm
Horizontal & vertical synchronisation	max. 300kHz
Input resistance	RGB 75ohm Ω
Insertion loss	<3dB
Max. humidity	95 %
Max. operating temperature	50 °C
Min. operating temperature	0 °C
Output resistance	100 Ω
Return loss	Max. -15dB von DC bis 60MHz
Transmission distance	135 m
Video input	VGA-DSUB, RJ-45

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Technical data - Passive VGA transmission set

Video input level	1 dB
Video output	VGA-DSUB, RJ-45