



Product Sheet

Dual Twisted Pair Video-Receiver VTZ05D 19" Version

Article Number: 501070

Short description:

- Dual Floating video-receiver through transformer coupling
- Overvoltage protection
- Triple impedance switching
- Black control
- Amplifier control
- Active equalisation
- 40 dB system equalisation
- Test port
- Isolated power supply



Specification

Standard:	CCIR 625Z/50Hz Pal
Video inputs:	2 BNC
Video outputs:	2 BNC, 2 SMB decoupled outputs
Video input level / impedance	1 V _{ss} 75 Ω
Video output level / impedance	1 V _{ss} 75 Ω
Twisted pair input:	1.5 V _{ss} at 100Ω, or 120 Ω
Equalisation:	40 dB
Pre-equalisation:	6 dB / 12 dB
Level control:	± 6 dB
Bandwidth:	5 MHz
Diff. Phase:	< 0.6°
Diff. Gain:	< 0.6 %
Signal/noise ratio:	> 64 dB rms rated
Linearity fault:	< 0.3 %
K-2T:	< 1.2 % KF
Clamp fault:	< 0.1 %
Droop:	< 1 %
Operational voltage:	24 V DC
System voltage BGT:	230 V AC
Power input BGT:	about 50 VA
Operation temperature:	-20 °C to +50 °C
Humidity:	90 % non-condensing
Design:	Cassette
Dimensions (W x H x D):	61 mm x 129 mm x 160 mm (7 TE x 3 HE)
Weight:	about 0.6 kg
Dimensions: module rack BGT230 (W x H x D)	483 mm x 131 mm x 300 mm (84 TE x 3 HE)
Weight: module rack BGT230	about 4.1 kg



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Meets the following CE-Standards:

Emitted interference	EN 55022
Burst	EN 610004-4
ESD	EN 610004-2
Surge	EN 610004-5
Net interrupt	EN 610004-11
Interference resistance	EN 610004-6
Interference resistance	EN 610004-3

Description of functions

With the ZDS94/VTZ05D system, 1500 m can be bypassed by symmetric twisted pair lines, e.g. (A-2Y(L)2Y4x2x0.8).

Due to system equalisation of up to 40 dB and 60 dB respectively at 5 MHz, droop, active black-level clamping, low pass filter, synchronous pulse control and Sync-Burst-Regeneration, a proper transmission of images is achieved.

Cable attenuation equalisation is provided by Sync-Level-Control. The picture amplitude is not controlled. It should only be controlled by the camera.

Due to separate and active equalising filters, only those frequencies which are allocated to the respective adjuster are modified during balancing.

On the emission side (ZDS94), a 6 dB/12 dB increase can be adjusted at 5 MHz. Thus a higher signal/noise ratio can be achieved.

19" versions and weather proof versions are available.

Accessories:

<i>Article Number:</i>	<i>Description</i>
500460	Module rack BGT230
500476	Construction set VTZ98RSB (application as coaxial equaliser)
500477	Construction set VTZ98RSZ (application as twisted pair receiver)

All information provided in this product sheet refers to the current conditions and may be subject to change.