

Additional transmission channels for the train will be provided in the ELA line (train supervision lines)

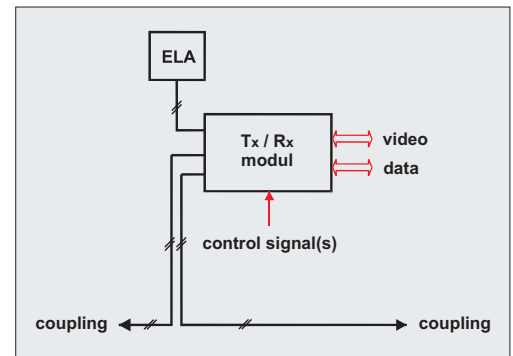


VIDEO - DATA - INTERFACE

APPLICATION

Additional transmission of video and data signals via the ELA network that is already used for the transmission of voice signals and via the ELA coupling contacts.

No impairment of the ELA function.



FEATURES

Video and data signals are transmitted as a RF-modulated signal. The transmission method is absolutely balance-free and works potential-free. Each car will be re-equipped with one transmission/receiver module which contains the following functional assemblies:

- Video signal transmitter
- Video signal receiver
- Data signal transmitter
- Data signal receiver
- Interface with the ELA network

TECHNICAL DATA

Modulation	Video signals frequency modulation; Data signals - FSK
Video-Bandwith	5 MHz (-0,5 dB)
Video-Input	(C)CVS 1 V _{ss} into 75 Ohm
Video-Output	= Input level
Data-In-/Output:	RS 422, optional RS 232 / V24
Maximum baud rate	19,2 kbit/s
Power supply	24 V DC
Power consumption	approx. 350 mA
Case	19"-RF-chassis 3 HE/8TE/160 mm long
Electrical Interfaces	Video Input/Output: BNC-sockets on front panel Data signals, switching signals and power supply F48 DIN 41612 connector on rear
Cable requirements:	Defined attenuation and surge impedance for the transmission of signals in the frequency range between 5 and 20 MHz.

ORDERING INFORMATION

VAZD - Video-Data-Interface

Delivery on request