

Bluebell

BN500T & BN500R

Analogue Video / Sync

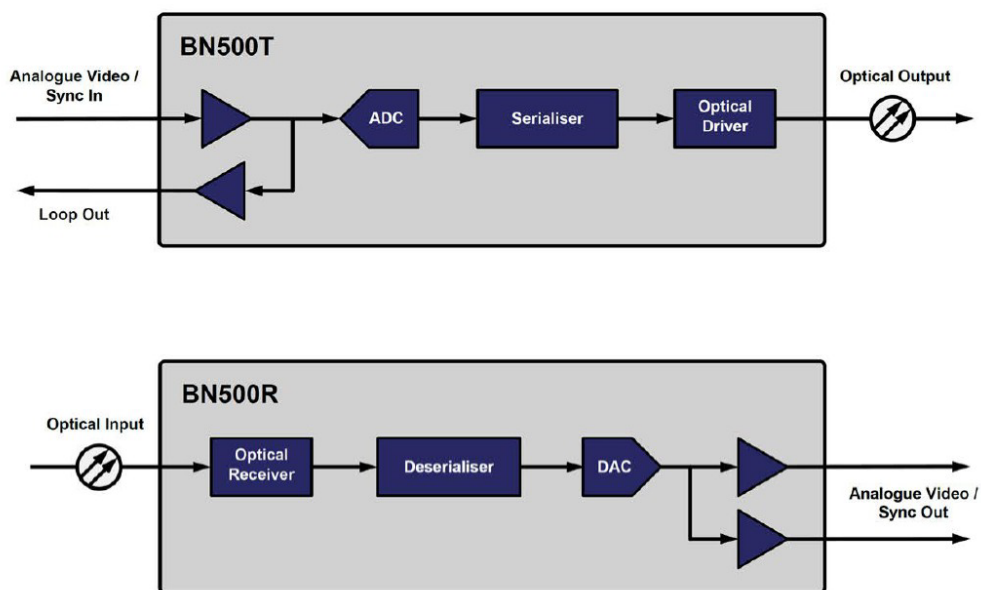
Optical Converter



Description:

- Designed for transporting analog video/genlock signals over long distances via fibre optic cables.
- Maintains synchronisation between different video sources by replacing copper cable infrastructure.
- Prevents signal degradation and asynchronous video issues common with long copper runs.
- Compact single-channel converters for composite analogue video, including tri-level sync.
- Available in Singlemode, Multimode, WDM, and CWDM variants.
- Rugged 3 mm aluminium enclosures for field durability.
- Equipped with industry-standard 4-pin XLR lock-in power connectors for secure, reliable power.

Schematic diagram:



Specifications

	BN500T	BN500R
Video Input & Output		
Connector	75 ohm BNC	
Standards supported	PAL,PAL/M,PAL/N,SECAM,NTSC	
Differential phase	<0.6c	
Differential gain	<0.6%	
Optical Output & Input		
Physical	SFP Module	
Connector	Dual LC	
Wavelength	1310 nm singlemode or 850 nm multimode. User-specified CWDM wavelengths are also available.	Wideband receiver 1260 nm – 1610 nm
Optical Power	-2 dBm @ 1310/1510 nm (typical)	
Sensitivity		SFP-dependent
Max. input power		SFP-dependent
Conformities		
EMI/RFI	Complies with 89/336/EEC	
Electrical	Complies with EN 61000-6-1, EN61000-6-2	
Laser Safety	Complies with Class 1 laser product 24 CFR 1040.10 & 1040.11	
RoHS	Complies with directive 2002/95/EC	
Physical		
Depth	92 mm	
Width	64 mm	
Height	30 mm (3RU)	
Weight	100g	
Operating Temp	-30c to +70c	
Power	3.0 W	3.0 W

Ordering Information

BN500T	Singlemode Composite Video Transmitter Card (1310nm)
BN500R	Singlemode Composite Video Receiver Card



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