

# Bluebell

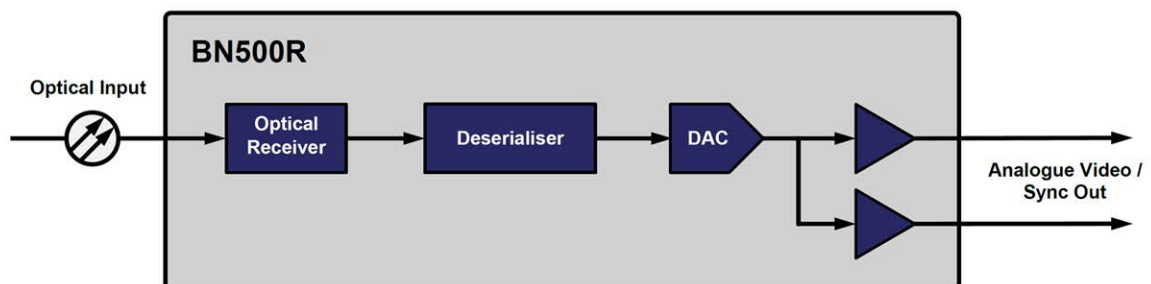
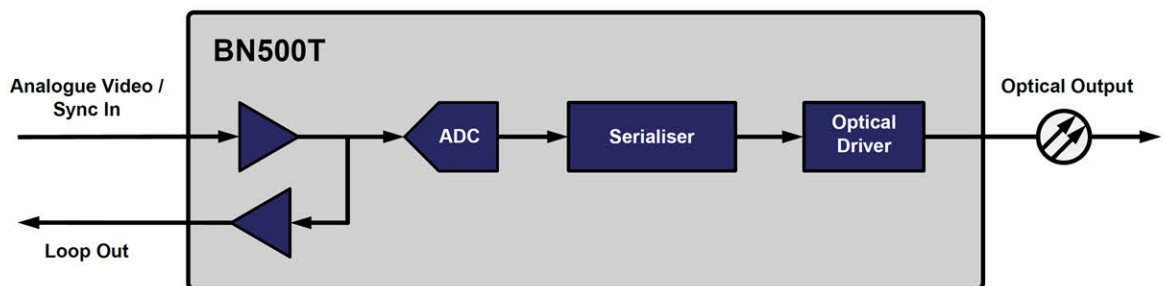
## BN500T & BN500R Analogue Video / Sync Optical Converter



- Compact single-channel converters for composite analogue video signals to fiber optic.
- Support various formats, including tri-level sync.
- Available in Singlemode, multimode, WDM, and CWDM.
- Housed in a rugged enclosure ideal for field use.

Synchronising different video sources, such as cameras or graphics generators, is crucial in live production workflows. Distributing genlock signals throughout your production chain is essential for achieving this synchronisation. However, using copper cable infrastructure for transporting genlock signals over long distances can result in signal degradation and asynchronous video sources.

The BN500T and BN500R offer the ideal solution for transporting analog video/genlock signals over long distances using fiber optic cables. These rugged units, housed in 3mm aluminum enclosures, are perfect for field use. Additionally, they feature industry-standard XLR-4 lock-in power connectors, ensuring a reliable power connection that cannot be accidentally removed.



## Specifications

	BN500T	BN500R
<b>Video Input &amp; Output</b>		
Connector	75 ohm BNC	
Standards supported	PAL, PAL/M, PAL/N, SECAM, NTSC	
Differential phase	< 0.6°	
Differential gain	< 0.6%	
<b>Optical Output &amp; Input</b>		
Physical	SFP Module	
Connector	Dual LC	
Wavelength	1310 nm single-mode or 850 nm multi-mode. User-specified CWDM wavelengths (see table below) 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
<b>Conformities</b>		
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	
<b>Physical</b>		
Depth	92 mm	
Width	64 mm	
Height	30 mm (3RU)	
Weight	100 g	
Operating Temp	-30°C to +70°C	
Power	3.0 W typ	3.0 W typ

## Ordering Information

BN500T/S	Singlemode Composite Video Transmitter Card (1310nm)
BC500T/S/CWDM	Singlemode Composite Video Transmitter Card with dedicated CWDM Tuned Laser, Wavelength to suit ITU Grid Spacing – see CWDM Ordering Matrix.
BC500R/S	Singlemode Composite Video Receiver Card

Contact sales office for other variants.



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