

Bluebell

BN328 Series 8K/48G Optical Interfaces

48G



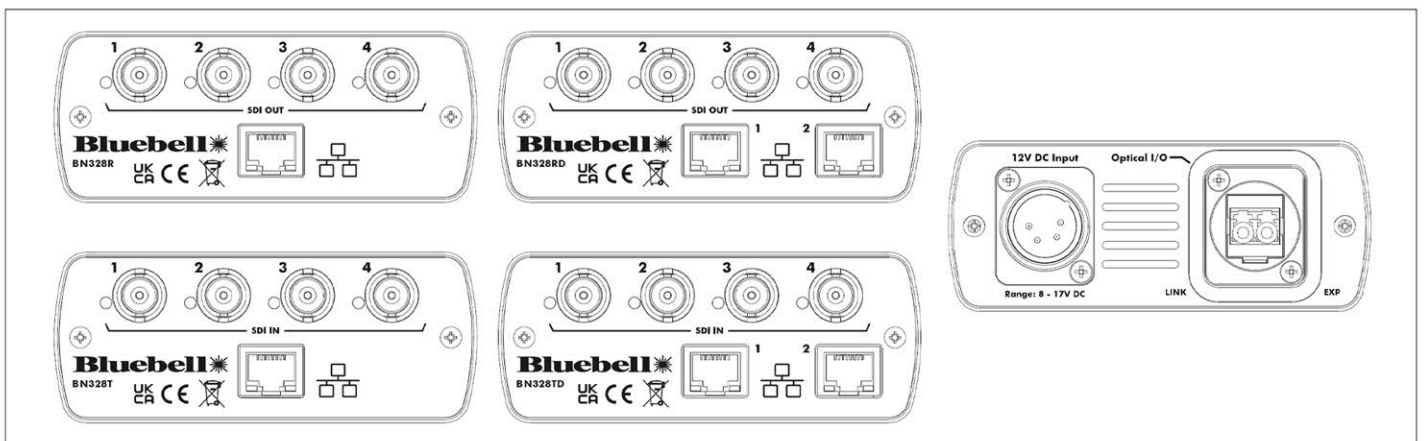
Four versions:

- BN328T transmitter – quad SDI inputs plus Ethernet to an LC fibre output
- BN328R receiver – LC fibre input to quad SDI outputs plus Ethernet
- BN328TD transmitter – quad SDI inputs plus dual Ethernet to an LC fibre output
- BN328RD receiver – LC fibre input to quad SDI outputs plus dual Ethernet

The BN328 Series is a range of compact, stand-alone fibre interfaces intended for remote video applications of up to 8K format. They allow four independent SDI video signals meeting SD, HD, 3G, 6G or 12G standards, plus one or two gigabit Ethernet data streams to be transported over a single fibre-optic cable for distances of up to 20 km*.

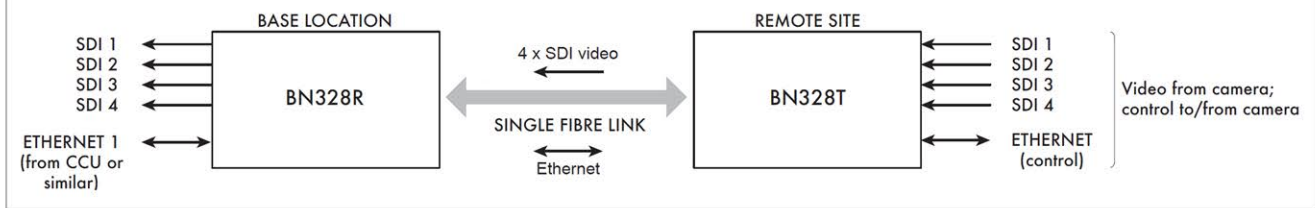
They are ideal for use with remote 8K cameras employing quad 12G outputs and Ethernet control, but can be used for any other application requiring transport of multiple SDI signals and control data over long distances.

An optical “expansion” port allows a BN328 to be cascaded with a second, similar unit - or any other optical source - operating on a different range of wavelengths to double the capacity of the single fibre link. The “copper” connections are four BNC connectors for video and one or two RJ45 ports for Ethernet; the optical port is a standard dual LC optical connector

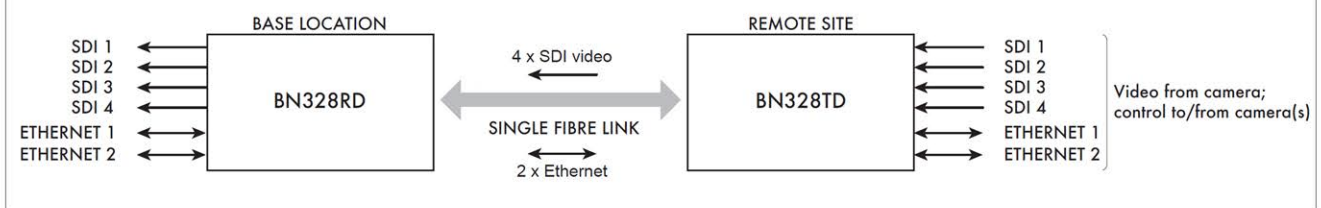


Configuration

Quad SDI and single Ethernet variants: BN328R and BN328T:



Quad SDI and dual Ethernet variants: BN328RD and BN328TD:



Ordering Information

The first four variants listed below operate using “High Band” optical wavelengths in the range 1470 to 1610 nm:

BN328T transmitter – quad SDI inputs plus Ethernet to an LC fibre output

BN328R receiver – LC fibre input to quad SDI outputs plus Ethernet

BN328TD transmitter – quad SDI inputs plus dual Ethernet to an LC fibre output

BN328RD receiver – LC fibre input to quad SDI outputs plus dual Ethernet

The four additional variants below are functionally identical to those above, but use “Low Band” optical wavelengths in the range 1270 to 1410 nm. A High Band unit and a Low Band unit can be cascaded using the optical expansion port to double the signal capacity on the single fibre length.

BN328T-L transmitter – quad SDI inputs plus Ethernet to an LC fibre output

BN328R-L receiver – LC fibre input to quad SDI outputs plus Ethernet

BN328TD-L transmitter – quad SDI inputs plus dual Ethernet to an LC fibre output

BN328RD-L receiver – LC fibre input to quad SDI outputs plus dual Ethernet



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