

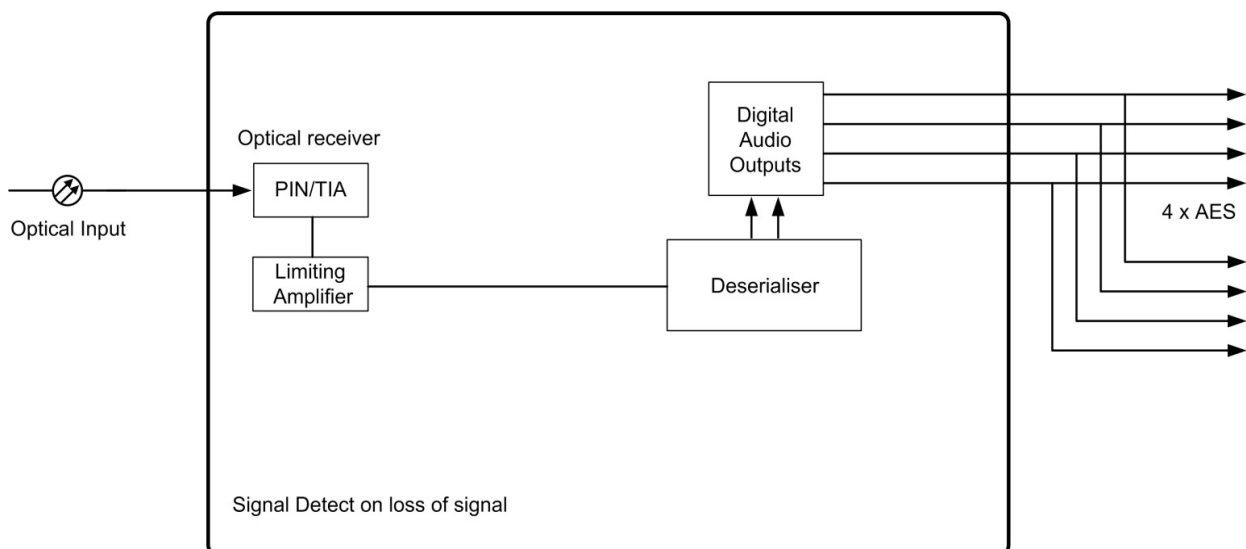
## BC Series Modular Fibre Optic Interface System



### Description:

- The BC630R is a receiver that converts optical signals into 4 channels of AES/EBU digital audio.
- The input signal is amplified and reclocked to ensure clean, jitter-free digital output.
- Dual AES outputs per channel allow for both main feed and local monitoring.
- Can be paired with the BC620T to convert line-level analogue inputs into AES outputs.
- Available in multimode, singlemode, WDM, and CWDM variants for various fibre setups.
- Occupies a single slot in the BC100-3RU frame, which supports up to 15 single-slot cards.
- Some BC Series cards offer dual functionality, supporting up to 30 video channels in one frame.
- SNMP monitoring is available via the BM102 card, and the unit is also available in a rugged standalone enclosure.

### BC630R Schematic Diagram:



## Specifications

### Optical Input

|               |                                                                                        |
|---------------|----------------------------------------------------------------------------------------|
| Connector     | 1 x female LC<br>See Ordering Information                                              |
| Wavelength    | 850-1610<br>nm<br>See Ordering Information<br>for multimode and<br>singlemode variants |
| Sensitivity   | > -30 dBm @ 100 Mb/s                                                                   |
| Max I/P Power | > -1 dBm                                                                               |

### Electrical Output Audio

|           |                           |
|-----------|---------------------------|
| Connector | 26-way D connector        |
| Impedance | 110 Ohm                   |
| Format    | AES 48 kHz AES3-1992      |
| Number    | 4 x AES/EBU Digital Audio |

### General Card Specifications

|                |                        |
|----------------|------------------------|
| Depth          | 60 mm                  |
| Width          | 20 mm 4HP              |
| Height         | 129 mm (3RU)           |
| Weight         | 100 g                  |
| Operating Temp | -30 to +70 °C          |
| Power          | 2.2 W                  |
| Signal Detect  | LED on for signal loss |
| No. of slots   | 1                      |

### Conformance

|              |                                                                                                                                |
|--------------|--------------------------------------------------------------------------------------------------------------------------------|
| EMI/RFI      | Complies with 89/336/EEC,<br>EN55022B,<br>EN61000-4-2, EN61000-4-4-<br>(Level 2), EN61000-4-4FTB,<br>EN61000 4-5, EN61000-4-11 |
| Electrical   | Complies with EN61000-6-1,<br>EN61000-6-2, EN61000-6-3,<br>EN61000-6-4                                                         |
| Laser Safety | Dependent on SFP fitted.<br>Complies with Class 1 laser<br>product                                                             |
| RoHS         | Complies with Directive<br>2002/95/EC                                                                                          |
| Warranty     | 5 years                                                                                                                        |

## Ordering Information

|        |                                                  |
|--------|--------------------------------------------------|
| BC630R | Optical Receiver Card for 4 x AES Audio Signals. |
|--------|--------------------------------------------------|



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