



- Transport of HDMI 4K60 up to 4:4:4
- Zero frame latency operation
- 10G SFP based transport interface
- Supports copper or optical SFP modules
- Operation over direct links or routed Ethernet networks
- HDMI loop through on BN384E
- Bi directional analogue stereo audio
- HDMI embedded audio pass through
- RS-232 control transport
- 1G Ethernet extension

The BN384E and BN384D provide a compact point to point transport solution for HDMI 4K60, audio, Ethernet, and control signals over fibre or Ethernet infrastructure. Designed for professional AV and broadcast environments, the units support uncompressed HDMI 4K60 with zero frame latency, ensuring signal transparency for real time applications.

The system may be deployed using direct fibre links or routed through Ethernet network switches, dependent on whether optical or copper SFP modules are fitted in the units. This allows flexible integration into both dedicated fibre paths and existing network infrastructures.

The BN384E and BN384D provide a flexible and scalable transport solution for HDMI 4K60, audio, and control signals. By supporting both direct fibre connectivity and routed Ethernet operation using standard SFP modules, the units integrate cleanly into a wide range of Bluebell BN and BC based system architectures.

Specifications

Signal Support

HDMI	<ul style="list-style-type: none">• HDMI 4K60 up to 4:4:4• HDR formats including HDR10, HLG, and Dolby Vision• HDCP compliant
Audio	<ul style="list-style-type: none">• HDMI embedded audio transport• Bidirectional analogue stereo audio
Data and Control	<ul style="list-style-type: none">• RS-232 transport• 1G Ethernet transport
Transport Interface	<ul style="list-style-type: none">• 10G SFP interface• Supports copper or optical SFPs• Singlemode fibre operation when optical SFPs are fitted• Transmission distances dependent on SFP selection

System Operation

BN384E Transmitter	The BN384E is installed at the source location and accepts HDMI, embedded audio, Ethernet, and RS-232 control. Signals are presented to a 10G SFP transport interface for delivery over a direct link or via an Ethernet switch infrastructure.
BN384D Receiver	The BN384D is installed at the destination and converts the transported signals back to HDMI, analogue audio, Ethernet, and control interfaces for connection to displays, projectors, and associated equipment.

Applications

- Professional AV systems
- Live production and event environments
- Control rooms and monitoring positions
- Networked AV installations
- Conference, presentation, and display systems

Ordering Information

System Operation

BN384E	HDMI 4K60 Transmitter
BN384D	HDMI 4K60 Receiver



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