

Bluebell Opticom at IBC 2026

Bluebell Opticom is back exhibiting at IBC 2026, showcasing our latest fibre and IP solutions for broadcast, live production and professional AV. This year, we will be presenting a range of new and updated solutions designed to simplify signal transport, support the transition to IP workflows and make better use of existing fibre infrastructure. From ST 2110 and high-density 12G-SDI transport to PTZ camera connectivity, HDMI and optical multiplexing, our latest developments are designed around the practical requirements of modern broadcast environments.

PED-AM7 Camera Base Adaptor for Sony BRC-AM7

Extending video, control, Ethernet and providing remote power over SMPTE fibre



Need to position the Sony BRC-AM7 beyond the practical reach of conventional copper cabling?

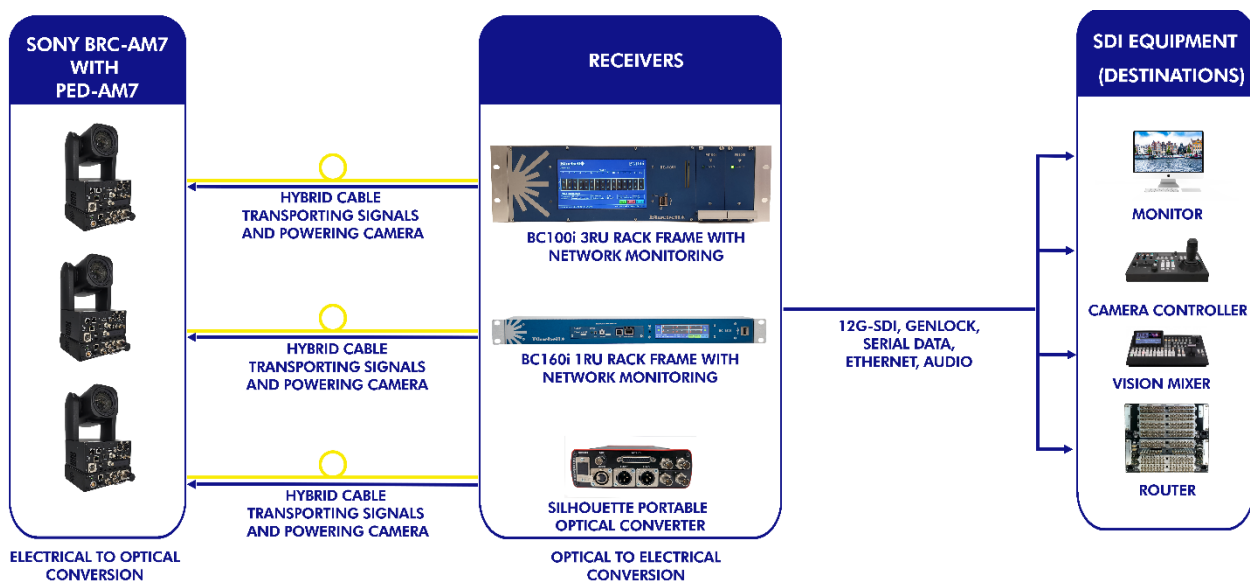
The Bluebell PED-AM7 is a camera base adaptor designed specifically for the Sony BRC-AM7 Premium PTZ Auto Framing Camera with AI Analytics. It provides a compact fibre interface for installations that need to carry the camera's key signals over longer distances without changing the camera's discreet mounting arrangement.

Mounted directly beneath the camera, the PED-AM7 matches the footprint of the Sony BRC-AM7 and uses the camera's original mounting arrangement.

Video, camera control, Ethernet, genlock and remote power can be transported over duplex single-mode fibre or a hybrid fibre connection to a central equipment area. When using a hybrid connector such as LEMO or Neutrik, power can be delivered over the same cable to remotely power the camera.

At the receiving end, a 19-inch rack frame can be used for multi-camera installations, while the compact Silhouette enclosure provides a convenient solution for a single camera link.

Application



Multiple SONY BRC-AM7 cameras connected with PED-AM7 camera bases, to optical receivers which send the signals to downstream equipment

Ideal For

- Studios
- Auditoriums and conference facilities
- Live events and entertainment venues
- Long-distance and remote PTZ installations

Key Features

- Purpose-designed for the Sony BRC-AM7
- 12G-SDI and 3G-SDI video transport
- Camera control, Ethernet and genlock
- Remote camera power
- Rack or Silhouette base-unit options

The PED-AM7 keeps the camera end neat and self-contained while allowing signal and power infrastructure to be located where it is easier to manage.

BN880 ST 2110 Gateway with Out-Of-Band Configuration and PTP to Genlock



Moving to ST 2110 doesn't mean replacing all of your existing SDI equipment.

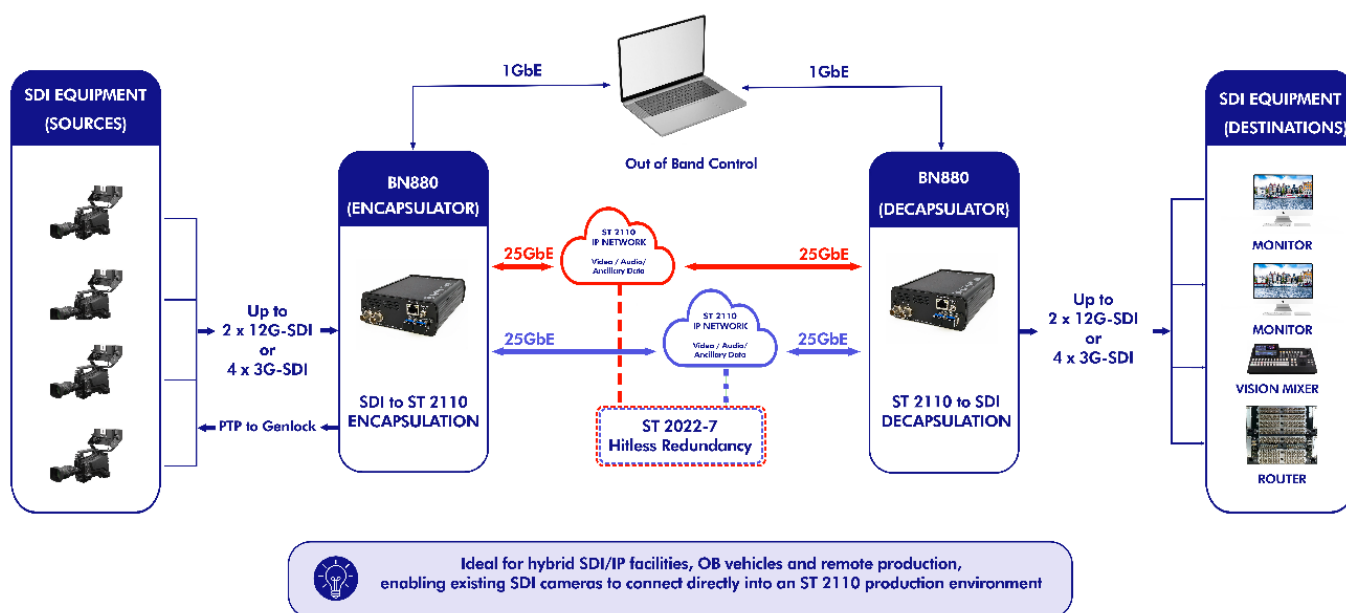
The Bluebell BN880 is an SDI to ST 2110 gateway designed to integrate existing SDI equipment into modern IP-based broadcast and media workflows. It provides a flexible interface for installations that need to transition to ST 2110 while continuing to use existing cameras, monitors and other SDI equipment.

The BN880 can be positioned at either end of the signal path to convert SDI signals to ST 2110 streams or ST 2110 streams back to SDI.

Available in configurations supporting 2 channels of 12G-SDI or 4 channels of 3G-SDI, the BN880 transports video, audio and ancillary data while supporting PTP timing and ST 2022-7 hitless redundancy for resilient IP workflows.

For system integration and control, the BN880 supports NMOS and Ember+, alongside BluebellConnect and REST API control. This allows broadcasters to introduce ST 2110 into existing infrastructure without the need to replace their entire SDI workflow.

Application



Ideal For

- Gradual migration from SDI to ST 2110
- Connecting existing cameras to an IP network
- Using existing SDI monitors within an ST 2110 facility
- Broadcast facilities moving towards IP

Key Features

- 2 or 4 Channel versions
- SDI <=> ST 2110 conversions
- JPEG XS option
- PTP to Genlock option
- Out-of-band management option

The BN880 provides a flexible bridge between existing SDI infrastructure and ST 2110, allowing broadcasters to introduce IP workflows while continuing to use their existing cameras, monitors and other SDI equipment.

BN384 HDMI 4K60 Audio & Control Transport over Fibre or Ethernet



Need more than just HDMI at the other end?

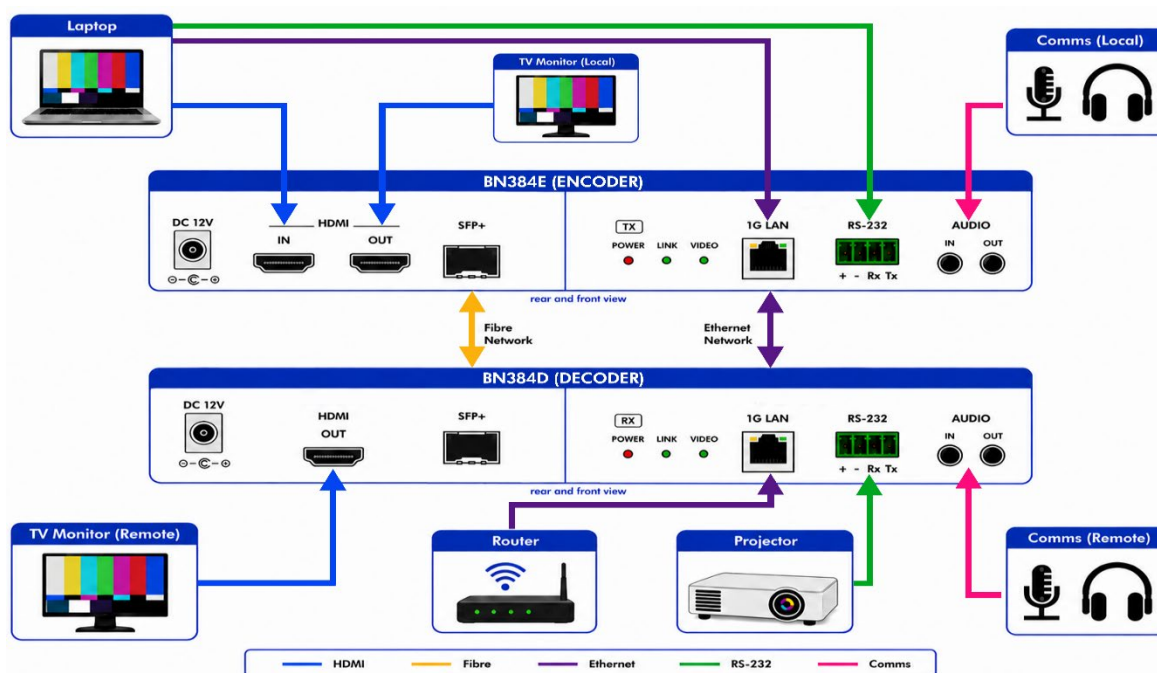
The Bluebell BN384 is a compact HDMI transport solution designed to extend high-quality 4K video, audio, control and Ethernet across professional AV and broadcast installations. It provides a flexible interface for applications where HDMI signals need to be transported over longer distances while maintaining reliable, high-quality performance.

The BN384 supports HDMI video up to 4K60, allowing high-resolution content from cameras, computers and other HDMI sources to be transported to remote displays, monitors and other destination equipment.

Alongside video, the BN384 can transport audio, Ethernet and control signals, allowing multiple services to be carried as part of the same system. Connectivity over fibre makes it suitable for installations where conventional HDMI cabling would be limited by distance.

The compact design makes the BN384 suitable for a range of applications including studios, control rooms, presentation environments, digital signage and other professional AV systems where reliable long-distance HDMI transport is required.

Application



Ideal For

- Control rooms
- Professional AV installations
- Studios
- Live events
- Remote displays and monitoring

Key Features

- 4K60 up to 4:4:4
- Zero frame latency
- 10G SFP Interface
- 1G Ethernet extension
- Bi-directional analogue audio

The BN384 provides a compact and flexible way to extend high-quality HDMI, audio, control and Ethernet over longer distances, simplifying connectivity between source and destination equipment across professional AV and broadcast installations.

Bluebell BC18 18-channel Multiplexer/Demultiplexer



Why run multiple fibres when you can combine your signals onto one?

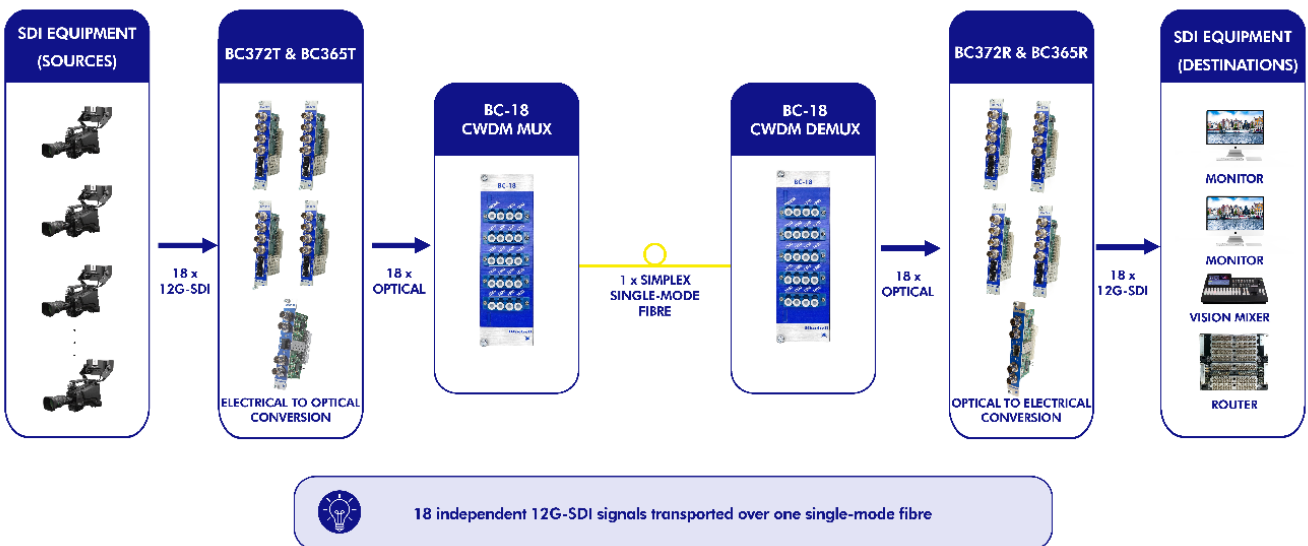
The Bluebell BC18 is a passive optical multiplexer designed to combine multiple optical signals onto a single-fibre link, helping broadcasters and system integrators make more efficient use of their existing fibre infrastructure.

Using CWDM technology, the BC18 allows up to 18 separate optical wavelengths to be multiplexed onto one fibre for transmission between locations. At the receiving end, the signals are demultiplexed back into their individual optical channels for connection to the required equipment.

As a passive solution, the BC18 does not require electrical power and can be used alongside a wide range of optical equipment operating on the appropriate CWDM wavelengths. This makes it particularly useful where fibre availability is limited but many signals need to be transported.

The BC18 is suited to broadcast facilities, outside broadcast, venues and other fibre-based installations where reducing fibre usage, simplifying cabling and increasing the capacity of existing infrastructure are important.

Application



Ideal For	Key Features
- Fibre-limited installations - Stadiums and large venues - Broadcast facilities - Live production - Large fibre transport systems	18 Channel Optical Multiplexer / Demultiplexer - Single-fibre transport - Bi-directional MUX/DEMUX Transport - Ideal for fibre-constrained installations - High-density fibre transport

The BC18 maximises the capacity of existing fibre infrastructure by combining up to 18 optical signals onto a single-fibre link, reducing fibre usage and simplifying cabling in high-density broadcast installations.

BC372T & BC372R Quad-channel 12G-SDI Fibre Transmitter and Receiver



Need to move several high-bandwidth SDI feeds without filling your rack?

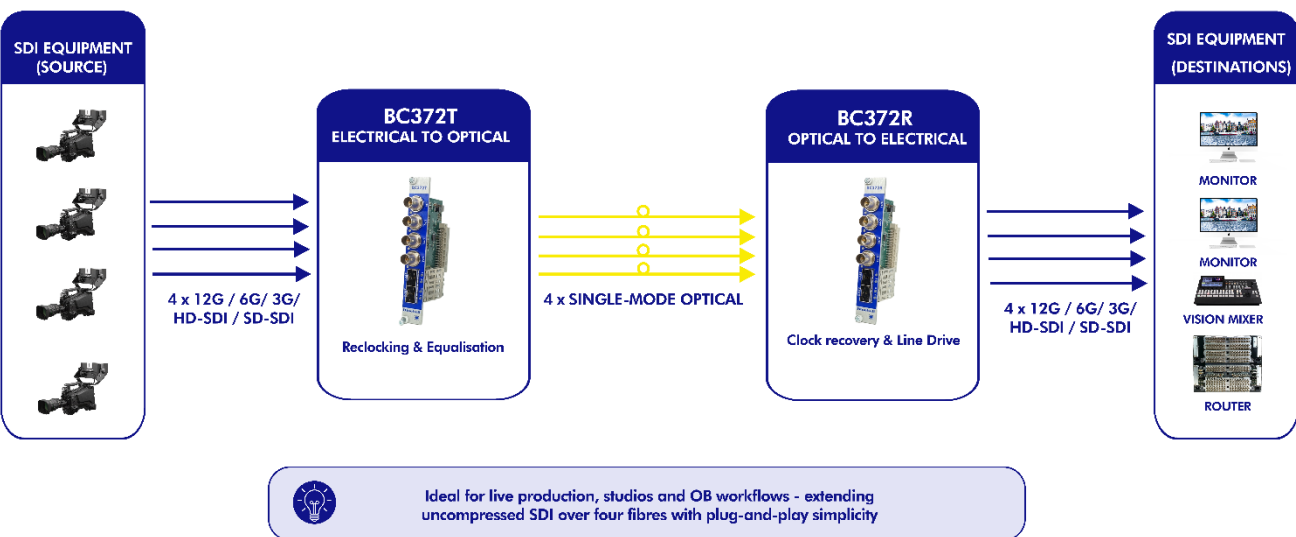
The Bluebell BC372T and BC372R are four-channel fibre transport modules designed to carry high-bandwidth SDI signals over optical fibre. They provide a compact modular solution for broadcast installations where multiple video signals need to be transported over longer distances.

The BC372T converts up to four electrical SDI inputs into four optical outputs, while the BC372R performs the reverse conversion, receiving four optical signals and providing four electrical SDI outputs at the destination.

Each channel supports video formats up to 12G-SDI, as well as 6G-SDI, 3G-SDI, HD-SDI and SD-SDI, allowing the modules to be used across a wide range of existing and modern broadcast infrastructures. Automatic signal detection, equalisation and reclocking help maintain reliable signal performance.

Designed for integration into Bluebell's BC Series rack frames, the BC372T and BC372R provide a scalable approach to multi-channel fibre transport. Optical wavelength options also allow the units to be integrated with CWDM systems where multiple signals need to share the available fibre infrastructure.

Application



Ideal For	Key Features
- Multiple 4K camera feeds - Studios and control rooms - Outside broadcast - High-density fibre systems - Fixed broadcast installations	- Quad Channel 12G-SDI Fibre Transport - Supports up to 12G-SDI - Designed for high-bandwidth, long-distance signal transport - Auto-sensing and signal equalisation - SNMP monitoring and network management

The BC372T and BC372R provide a compact and scalable way to transport up to four SDI signals over four fibres, simplifying multi-channel connectivity while supporting high-quality formats up to 12G-SDI.

BN344T & BN344R Quad-channel 12G-SDI Fibre Transmitter and Receiver



Twice the channel density of the BN324 in one compact unit

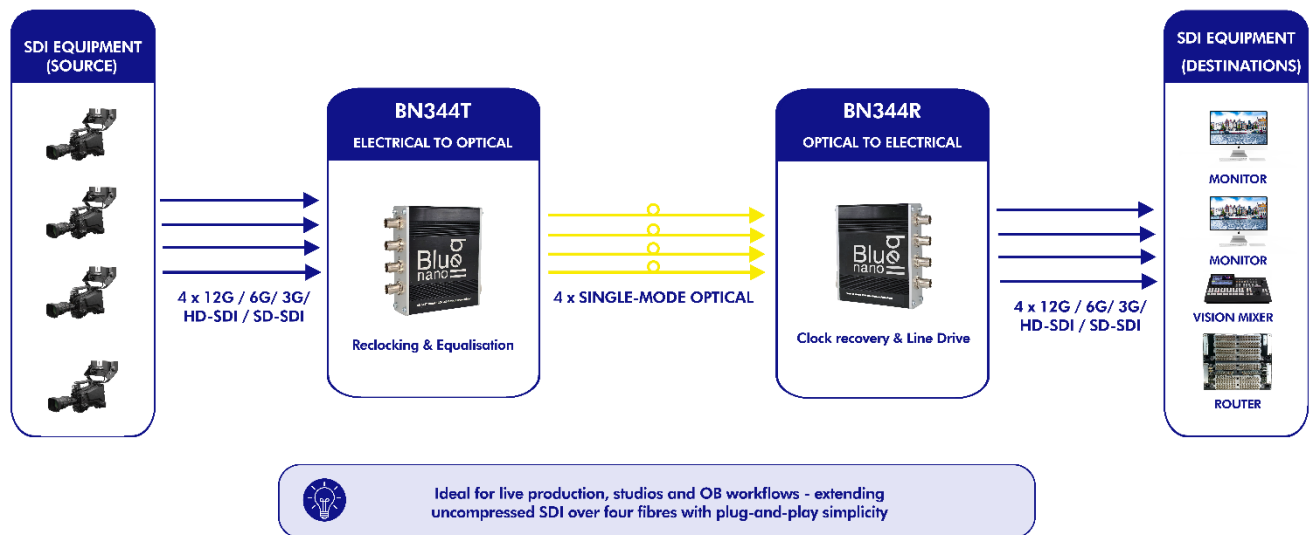
The Bluebell BN344T combines the capability of two BN324T transmitters in a single compact unit, providing four independent channels of electrical to optical conversion. The complementary BN344R converts the four optical signals back to electrical SDI at the receiving end.

Designed for high density broadcast and live production applications, the BN344 pair supports signals up to 12G-SDI, allowing four UHD video signals to be transported over fibre from a single unit. Each channel operates independently, providing flexibility for multiple camera feeds and other high bandwidth SDI signals.

By integrating four channels into one compact enclosure, the BN344 reduces equipment count, power connections and rack space compared with using multiple individual fibre converters. This makes it particularly suited to camera positions, outside broadcast vehicles, flypacks and fixed installations.

For users familiar with the BN324, the BN344 delivers the same concept in a higher-density four-channel format, simplifying deployment where multiple SDI signals need to be transported over fibre.

Application



Ideal For

- Multiple 4K camera feeds
- Studios and control rooms
- Outside broadcast
- High-density fibre systems
- Fixed broadcast installations

Key Features

- Quad Channel 12G-SDI Fibre Transport
- Designed for high-bandwidth, long-distance signal transport
- Auto-sensing and signal equalisation
- Industry standard 4-pin XLR for 12V power

The BN344T and BN344R provide a compact and scalable way to transport up to four SDI signals over four fibres, simplifying multi-channel connectivity while supporting high-quality formats up to 12G-SDI.