# Bluebell

BN Series Deployable Optical Product

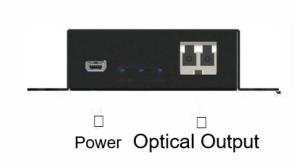


#### **Description:**

- Transmits Ultra-HD 4K2K@60/50 HDMI signals over long distances using fibre
- Supports 4:4:4 8-bit (594MHz) for full resolution high-quality video
- Supports HOR 4K2K@60/50 4:2:0 10-bit (384MHz) for extended colour depth options
- HDCP2.2 compliant, ensuring compatibility with protected content
- Extends HDMI signals up to 10km (6.25 miles) using single mode fibre optic cables
- Provides uncompressed video and audio, guaranteeing no quality loss during transmission
- Built-in link LED indicator confirms active connection status
- Supplied in a rugged wall-mountable housing, ideal for permanent or mobile installations

### **BN380H 4K HDR HDMI to Optical Converter**





#### **Specifications**

Technical	BN380H (TX)	BN380H (RX)
Role of Usage	Transmitter (TX)	Receiver (RX)
HDMI Compliance	HDMI 2.0a	
HDCP Compliance	HDCP2.2	
Video Bandwidth	Single-link 600MHz (18Gbps)	
Video Support	HDR4K2K@50/60 [4:2:0 10 bits]/ 4K2K@50/60 [4:4:4 8 bits]	
HDMI over Fibre	YES	
Audio Support	Surround sound [up tp 7.1ch]or stereo audio	
Equalisation	Auto	
Input TMDS signal	1.2 Volts [peak to peak]	
Input DOC signal	5 Volts [peak to peak]  [1] Human body model - ±19kV [air-gap discharge]& ±12kV [contact discharge]	
	[2] Core chipset - ±8kV	
PCB stack-up	6-layer board [impedance control - differential 1000; single 500	
Input	1 x HDMI	1 x Fibre
HDMI Connector	Type A [19-pin female]	
Mechanical		
Housing	Metal Enclosure	
Dimensions (LxWxH)	79mm x 72mm x 22mm	
Weight	195g	
Fixing	Wall-mounting flanged case with screws	
Power Supply	5V2A	Non-inverting
Power Consumption	Max 10W	
Operating Temp	0-55°C	
•	-20~60°C	
Relative Humidity	20~90% RH [no condensation]	

#### **Ordering Information**

BN380H 4K HDR HDMI to Optical Converter

## **Bluebell**\*

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