

# HDBaseT Solution

OPS HDBaseT Receiver (100013612), HDBaseT Transmitter (100013613)

OPS Slot-in Signal Distribution

NEC's HDBaseT Transmitter and OPS Receiver is a clever solution that combines the advantages of HDBaseT and the OPS Standard allowing uncompressed HD multimedia content transmission up to 100m through a single network cable.

OPS HDBaseT Receiver (SB-07BC)



HDBaseT Transmitter (KT-100TX1)



HDBaseT features the delivery of uncompressed Full HD digital video plus audio, 100BaseT Ethernet, and control signals through a single 100m LAN cable. The HDBaseT Transmitter (KT-100TX1) converts the input signal and provides the high quality signals using a network cable to the OPS HDBaseT Receiver (SB-07BC) unit that is embedded into the displaying device thanks to the OPS form factor. HDBaseT allows cable distances up to 100 meters while exceeding the known limitations with current cable technologies. HDBaseT technology is a single wire solution working Plug and play and uses well-known terminations that are easy to pull through walls over long distances or using existing network cables, reducing installation cost and maintenance cost.

The HDBaseT-Receiver module is also compatible with the majority of third party HDBaseT-Senders and therefore offers a wide range of use and high flexibility.



## Delivering Genuine Benefits

**No more cable length limitations:** HDBaseT technology can be used over 100 m with a single hop and overcomes known cable limitations

**One single cable only:** HDBaseT delivers video, audio, Ethernet and controls over a single cable, enabling to reduce the cable assortment down to one single cable

**Easy set-up and operation:** Time saving installation using well known cable types and working Plug & Play saving installation cost

**Wide range of applications:** Ideally suited for Rental & Staging, Leisure & Museums, Corporate & Education and all other applications that need to cover long cable distances

**Compact and fully embedded:** All connectors are inside the displays including Ethernet, Video & Audio Signals and RS232. No External Cables Required

**High Flexibility:** Compatible with NEC Large Format Displays (featuring OPS or DualSlot) and also NEC PX Series and PH Series installation projectors

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**OPS HDBaseT Receiver (100013612), HDBaseT Transmitter (100013613)**

## TECHNICAL SPECIFICATIONS

	OPS HDBaseT RECEIVER	HDBaseT TRANSMITTER
<b>GENERAL</b>		
<b>Manufacturing Code</b>	SB-07BC	KT-100TX1
<b>Order Code</b>	100013612	100013613
<b>RESOLUTION</b>		
<b>Video</b>	480i, 576i, 480p, 576p, 1080i@50/60Hz, 720p@50Hz/60Hz, 1080p@24Hz/25Hz/50Hz/60Hz 640x480@60Hz to 1920x1200@60Hz(RB), 4K2K@24/25/30Hz	
<b>Colorspace</b>	RGB, YCbCr	
<b>Color depth</b>	8-bit	
<b>AUDIO</b>		
<b>Formats</b>	PCM 2 ch	
<b>DISTANCE</b>		
<b>CAT5e/6</b>	100 meters	
<b>SIGNAL</b>		
<b>Bandwidth</b>	10.2 Gbps	
<b>HDCP</b>	Yes	
<b>CONTROL</b>		
<b>Control</b>	RS232C, IR, Ethernet (10BaseT/100BaseT)	
<b>CONNECTIVITY</b>		
<b>Interfaces frontside</b>	1 x RJ45 (LINK: HDBaseT) 1 x RJ45 (Ethernet) 1 x IR in (3.5 mm jack) 1 x IR out (3.5 mm jack)	1 x RJ45 (LINK: HDBaseT) 1 x RJ45 (Ethernet), HDMI
<b>Interfaces backside</b>	Internal OPS-interface (JAE 80-pin connector)	1 x IR in (3.5 mm jack) 1 x IR out (3.5 mm jack) 1 x RS-232C (9-pin D-sub) Input
<b>ELECTRICAL</b>		
<b>Power Consumption [W]</b>	5 (max.)	4
<b>Voltage / Current [V/A]</b>	16 / 0.33	5 / 2
<b>ENVIRONMENTAL CONDITIONS</b>		
<b>Operating Temperature [°C]</b>	+0 to +40	
<b>Storage Temperature [°C]</b>	-10 to +60	
<b>Operating Humidity [%]</b>	20 to 80	
<b>Storage Humidity [%]</b>	10 to 90	
<b>MECHANICAL</b>		
<b>Net Weight (kg)</b>	0.6	0.5
<b>Gross Weight (kg)</b>	1.0	1.0
<b>Net Dimensions (W x H x D) [mm]</b>	0.20 x 0.03 x 0.12	0.14 x 0.025 x 0.114
<b>Gross Dimensions (W x H x D) [mm]</b>	0.28 x 0.07 x 0.20	0.28 x 0.07 x 0.20
<b>ADDITIONAL FEATURES</b>		
<b>Compatibility</b>	All NEC Large Format Displays with Option Slot (OPS or DualSlot), NEC PX and NEC PH Series Projectors	
<b>Warranty</b>	3 Years Warranty, Additional services available	
<b>Shipping Content</b>	OPS HDBaseT Receiver (SB-07BC), User Manual, External IR sensor	HDBaseT Transmitter (KT-100TX1), User Manual, External IR sensor
<b>Regulatory Approvals</b>	CE, RoHS, VCCI (class B), RCM, FCC	
For additional pictures and Solutions overview, Visit <a href="http://www.nec-display-solutions.com">www.nec-display-solutions.com</a> for details.		

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