\Orchestrating a brighter world

NEC

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

HDBaseT Solution

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.

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 source 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 plug and play single wire solution and uses standard RJ45 terminations (shielded recommended) that are easy to pull long distances or utilize 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.

SB-07BC

Delivering Genuine Benefits

Send video over extreme distance: HDBaseT technology can be used over 100 m sending digital video a far greater distance than a standard digital video cable

One cable does it all: 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 common RJ45 data connections instead of propitiatory cables or connectors

Wide range of applications: Ideally suited for Rental & Staging, Leisure & Museums, Corporate & Education and all other applications that require digital video signal to travel over long 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

GENERAL	Manufacturing Code	OPS HDBaseT RECEIVER	HDBaseT TRANSMITTER
		SB-07BC	KT-100TX1
RESOLUTION	Video	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	
	Colorspace	RGB, YCbCr	
	Color depth	8-bit	
AUDIO	Formats	PCM 2 ch	
DISTANCE	CAT5e/6	100 meters 325 ft	
SIGNAL	Bandwidth	10.2 Gbps	
	HDCP	Yes	
CONTROL		RS232C, IR, Ethernet (10BaseT/100BAseT)	
CONNECTIVITY	Interfaces frontside	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
	Interfaces backside	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
ELECTRICAL	Power Consumption [W]	5 (max.)	4
	Voltage / Current [V/A]	16 / 0.33	5 / 2
ENVIRONMENTAL CONDITIONS	Operating Temperature [°F] [°C]	+32 to +104 °F / +0 to +40 +14 °C	
	Storage Temperature [°F] [°C]	+14 to +140 °F / -10 to +60 °C	
	Operating Humidity [%]	20 to 80%	
	Storage Humidity [%]	10 to 90%	
MECHANICAL	Net Weight (lbs) (kg)	1.32 lbs. / 0.6 kg	1.10 lbs. / 0.5 kg
	Gross Weight (lbs) (kg)	2.20 lbs. / 1.0 kg	
	Net Dimensions (W x H x D) [in] [mm]	7.9 x 1.2 x 4.7 in. / 200 x 30 x 119 mm	5.5 x 1 x 4.5 in. / 139.7 x 25.4 x 114.3 mm
	Gross Dimensions (W x H x D) [in] [mm]	10.25 x 3.25 x 7.8 in. / 260.35 x 82.55 x 198.12 mm	11.25 x 3.75 x 8 in. / 285.75 x 95.25 x 203.2 mm
ADDITIONAL FEATURES	Compatibility	All NEC Large Format Displays with Option Slot (OPS or DualSlot), NEC PX and NEC PH Series Projectors	
	Warranty	3 Years Warranty, Additonal services available	
	Shipping Content	OPS HDBaseT Receiver (SB-07BC), User Manual, External IR sensor	HDBaseT Transmitter (KT-100TX1), User Manual, External IR sensor
	Regulatory Approvals	CE, RoHS, VCCI (class B), RCM, FCC	

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