

NORRD

HDBaseT™ extender for 4K30/1080p. | NX1-110



Installation-friendly HDBaseT® kit designed for reliable long-distance HDMI distribution in professional AV environments.

Norrd NX1-110 is a compact, installation-friendly HDBaseT® extender kit designed for reliable long-distance HDMI distribution in professional AV environments. Using a single CAT5e/6 cable, it carries HDMI video, audio, and control signals with stable performance for meeting rooms, classrooms, and signage systems. NX1-110 supports video resolutions up to 4K×2K at 30Hz, and is optimized for long runs at Full HD. It extends 1080p up to 70 meters and 4K30 up to 40 meters over CAT6, making it ideal when sources and displays are separated across tables, ceilings, or equipment racks. For system integration, NX1-110 includes bi-directional IR and RS-232 pass-through so you can control both the source and the display from either end. Bidirectional Power over Cable adds installation flexibility, allowing you to power the system from whichever end best fits the room layout while the other side receives power through the CAT link. With plug-and-play setup and a small footprint that hides easily behind displays or inside furniture, NX1-110 is a dependable, cost-effective solution for long HDMI runs up to 4K30.

KEY FEATURES

Key Features

- Extends HDMI signals up to 70 meters over a single CAT5e/6 cable
- Supports 4K@30Hz up to 40 m and 1080p up to 70 m
- Power over Cable (PoC) reduces the need for local power at the receiver
- Two-way IR and RS-232 for remote device control
- Bidirectional power means you can connect power at TX or RX to match room layout

VIDEO	
Supported Resolutions	Up to 4K @ 30Hz
Full HD Support	1080p@60Hz
Frequency Bandwidth	297MHz (10.2Gbps)
TRANSMISSION	
Cable Type	Cat5e / Cat6 UTP
Max Distance (1080p@60Hz)	70m (230ft) over Cat6
Max Distance (4K@30Hz 24bit)	40m over Cat6
Protocol	HDBaseT
Termination Standard	Direct interconnection method (T568B)
CONTROL	
IR Control	Bidirectional wideband IR
RS-232 Control	Bidirectional via Phoenix connector
POWER	
Power Supply	DC 24V / 1A
POC (Power Over Cable)	Supported — only one unit needs power, <10W POC consumption
Max Power Consumption	20W
TRANSMITTER I/O	
HDMI	1x HDMI Female (Input)
HDBaseT	1x RJ45 Cat6 (Output)
IR In	1x 3.5mm (Channel 2 IR Receiver)
IR Out	1x 3.5mm (Channel 1 IR Transmitter)
RS-232	1x Phoenix connector
RECEIVER I/O	
HDMI	1x HDMI Female (Output)
HDBaseT	1x RJ45 Cat6 (Input)
IR In	1x 3.5mm (Channel 1 IR Receiver)
IR Out	1x 3.5mm (Channel 2 IR Transmitter)
RS-232	1x Phoenix connector
ESD PROTECTION	
Air-Gap Discharge	±8kV
Contact Discharge	±4kV
MECHANICAL	
Dimensions (W×D×H)	65mm × 115mm × 17mm
Weight	200g per unit (×2)
ENVIRONMENTAL	
Operating Temperature	0°C to 40°C (32°F to 104°F)
Storage Temperature	-20°C to 60°C (-4°F to 140°F)
Relative Humidity	20-90% RH (non-condensing)