

NORRD

NX3-324



Norrd NX3-324 is a professional HDBaseT® 3.0 extender set built for modern BYOD meeting rooms and AV installations. It transports uncompressed 4K@60Hz 4:4:4 video, audio, control, and USB over a single CAT6A/7 cable — reaching up to 70 m for 4K and 100 m for 1080p without signal loss. With dual inputs (USB-C and HDMI), NX3-324 lets users connect laptops either way, then switch automatically or manually. The USB-C input supports DisplayPort Alt Mode video, USB 2.0 data, and up to 60W charging, making it a clean one-cable solution at the table. The system also includes USB 2.0 extension, two-way IR and RS-232, analog audio extraction (TX and RX), EDID management, and 4K→1080p downscaling on the HDMI output for maximum compatibility with mixed display fleets. Power over Cable (PoC 24V) means the receiver can run without a separate PSU.

KEY FEATURES

True 4K60 4:4:4 over HDBaseT 3.0

- Delivers full-bandwidth 18 Gbps video with HDR support and rock-solid long-distance stability for pro AV spaces.

Dual USB-C + HDMI inputs for effortless BYOD

- Users connect however they like, and you can set auto or manual input switching — perfect for dynamic meeting rooms.

USB-C with 60W charging + full USB 2.0 hub extension

- USB-C supports DP Alt Mode video, USB data, and laptop charging, while the TX acts as a multi-port USB hub for touchscreens and peripherals.

Installer-friendly control and compatibility tools

- Two-way IR + RS-232, analog audio de-embedding, EDID handling, and 4K→1080p downscaling make it easy to integrate with any display ecosystem.

VIDEO	
Max Resolution	Up to 4K@60Hz (4:4:4), 18 Gbps
HDR Support	HDR10 / HDR10+ / Dolby Vision pass-through
HDMI Standard	HDMI 2.0b
HDCP	HDCP 2.3
EXTENSION	
HDBaseT Standard	HDBaseT® 3.0
Max Distance (4K)	Up to 70 m over CAT6A/7+1
Max Distance (1080p)	Up to 100 m over CAT6A/7+1
INPUTS (TX)	
HDMI Input	1 × HDMI in
USB-C Input	1 × USB-C in (DP Alt Mode)
USB (TX)	
USB Host	1 × USB 2.0 host
USB Client Ports	3 × USB-A (USB 2.0)
OUTPUTS (RX)	
HDMI Output	1 × HDMI out
USB (RX)	
USB Client Ports	2 × USB-A (USB 2.0)
USB-C	
USB-C Functions	DP Alt Mode video + USB 2.0 data + PD charging
USB-C Charging	Up to 60W Power Delivery
AUDIO	
Audio De-embedding	Yes, analog audio out on TX and RX
CONTROL	
IR	Two-way IR pass-through
RS-232	Two-way RS-232 over HDBaseT
EDID / SCALING	
EDID Management	Yes
Downscaling	4K → 1080p downscaling on HDMI output
POWER	
Power over Cable (PoC)	24V PoC to power receiver