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HDMI OVER HDBASET™ EXTENDER SET

Overview

The **Absolute Acoustics® NDS-970HD** is a HDMI over HDBaseT™ extender set capable of transmitting audio, video, control and ethernet network signals for distances up to 328ft (100m) over a single twisted-pair cable.

NDS-970HD is capable to extend 1080p video up to 328ft (100m) and 4K/UHD video up to 230ft (70) with embedded multi-channel audio, RS232 and bi-directional IR control signals. Also, a built-in Ethernet extension provides 3 additional ports for connection of streaming and control devices. Both **TX** and **RX** units can be remotely powered by PoC technology (a single power supply is required), cleaning up the installation.

And as a singular feature in extensors, the **NDS-970** provides a set of tools for audio signals treatment: via HDMI-ARC and digital optical audio connections, it is possible to send the audio from the display across the system. A pair of RCA connectors at the TX-side make the de-embedding, allowing the connection to multi-room controllers.

UHD/4K ENABLED

Compatible with the new ultra-high definition sources and displays, sending signals with resolutions up to 2160@30 with YCbCr 4:4:4, or 2160@60 with 4:2:0 color format.

ETHERNET EXTENSION

A built-in Ethernet extension gives 3 aditional network ports for connection of streaming and control devices.

HDCP 2.2 COMPLIANT

Fully licensed and compatible with HDCP 2.2 content protection specification, enabling the transmission of ultra-high definition signals directly from the source.

HDMI-CEC BYPASS

Allows HDMI-CEC commands to pass between devices, enabling user to control the entire system with a single remote.

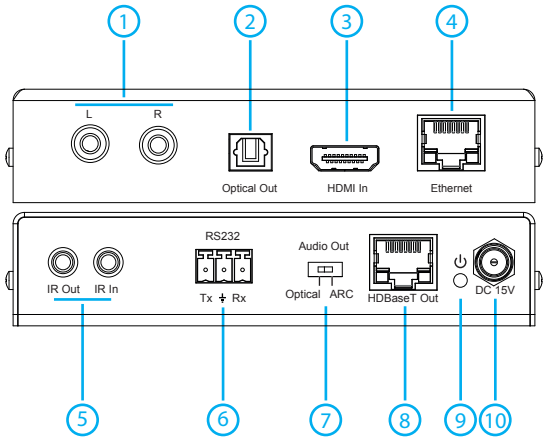
AUDIO TOOLS

HDMI-ARC, optical and analog audio embedding/de-embedding gives the flexibility to solve any installation scenario.

POC TECHNOLOGY

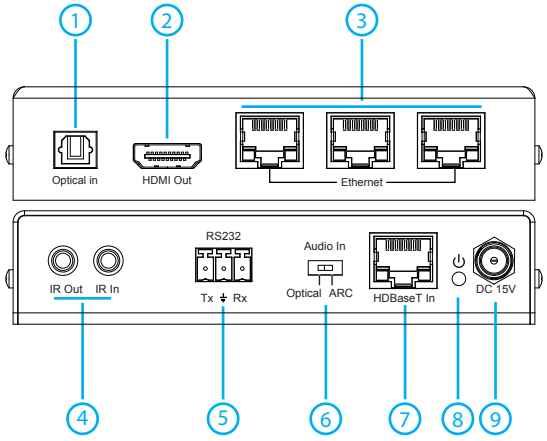
The HDBaseT output provides power supply to the remote unit using the same CAT cable, making the installation process much easier.

NDS-971HD-TX



1. Analog audio output port
2. Optical audio output port
3. HDMI input port
4. 10/100 Ethernet port
5. IR output/input extension ports
6. RS232 extension port
7. Audio output selector switch
8. HDBaseT output port
9. Power status indicator
10. DC power cable inlet

NDS-972HD-RX



1. Optical audio input port
2. HDMI output port
3. 10/100 Ethernet ports
4. IR output/input extension ports
5. RS232 extension port
6. Audio Input selector switch
7. HDBaseT input port
8. Power status indicator
9. DC power cable inlet

Technical Specifications

SIGNAL BANDWIDTH: 10.2Gbps
HDMI COMPATIBILITY: CEC, EDID, HDCP 1.4
SUPPORTED RESOLUTIONS: 800x600, 1024x768, 1280x768, 1280x960, 1280x1024, 1600x1200, 1920x1080,1920x1200, 3840x2160, 4096x2160*
COLOR DEPTH: 8 - 12 bits/ch**
SUPPORTED AUDIO (HDMI): Dolby Atmos, Dolby TrueHD, Dolby Digital Plus, Dolby Digital, DTS-X, DTS-HD Master Audio, DTS 5.1, 2 - 8Ch PCM
SUPPORTED AUDIO (DIGITAL): Dolby Digital, DTS 5.1, 2Ch PCM
SUPPORTED AUDIO (ANALOG): 2Ch PCM

TRANSMISSION DISTANCE: up to 328 ft (100m) @ 1080p or up to 230 ft (70m) @ UHD/4K using UTP CAT 6 cable
RECOMMENDED CABLE: STP/UTP CAT6 or higher
OPERATING TEMPERATURE: 32° to 104° F (0° - 40°C)
DIMENSIONS: 4.49 x 0.94 x 5.31in (115 x 25 x 135mm) each
WEIGHT: 1.32lb (0.6kg) each
POWER SUPPLY: DC 15V 2A
CONSUMPTION: 21W (pair)
CERTIFICATIONS: UL, FCC, CE
WARRANTY: 2 years limited warranty

* Resolutions of 3840x2160 and 4096x2160 are only available with the YCbCr 4:2:0 color format.
** Resolutions of 3840x2160 and 4096x2160 are only available with 8-bits Color Depth.

HDBASET EXTENDERS COMPARISON TABLE

	470HD	570HD	870HD	970HD
HDBASET TECHNOLOGY	HDBaseT Lite	HDBaseT Lite	HDBaseT	HDBaseT
HDBASET COMPATIBILITY	(NONE)	UHM, SS	UHM, SS	(NONE)
TRANSMISSION DISTANCE				
1080P	230ft (70m)	230ft (70m)	328ft 100m)	328ft 100m)
UHD/4K	130ft (40m)	130ft (40m)	230ft (70m)	230ft (70m)
BI-DIRECTIONAL IR	YES	YES	YES	YES
RS232 EXTENSION	NO	YES	YES	YES
AUDIO TOOLS	NO	NO	NO	YES
ETHERNET	NO	NO	NO	YES
CEC PASS-THRU	YES	YES	YES	YES
POWER OVER CABLE	From TX to RX only	Bi-directional	Bi-directional	Bi-directional
DIMENSIONS	"2.4 x 0.94 x 4.72in (61 x 24 x 120mm)"	"4.53 x 0.63 x 3.26in (115 x 16 x 83mm)"	"4.53 x 0.63 x 3.26in (115 x 16 x 83mm)"	"4.49 x 0.94 x 5.31in (114 x 24 x 135mm)"
WEIGHT	"0.62lb X (0.28kg)"	"0.33lb X (0.15kg)"	"0.33lb X (0.15kg)"	"1.32lb X (0.6kg)"

Notes

LEGAL NOTICE

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All equipment should be disconnected from the power supply prior to installation to avoid damage to the unit.