NEXIS

18Gbps HDBaseT 70M
with USB-C/HDMI & KVM Function
Wall Plate Transmitter

HW070C

1. Introduction

The wall plate is a 2x1 switcher and HDBaseT transmitter with HDMI and USB-C input. It features a US one-gang enclosure for Decora-style wall plate openings with interchangeable black and white wall plates and faceplates. The USB-C input provides an ideal AV interface for connecting with new Apple notebooks and Windows® PCs as well as smartphones and tablets. Support video resolution up to 4K@60Hz 4:4:4. The product is remotely powered by the receiver or other HDBaseT-equipped devices via POE.

2. Features

☆ Compliant with HDMI 2.0b, HDCP 2.2 and DisplayPort 1.2a
☆ Support 18Gbps video bandwidth
☆ Video resolution up to 4K@60Hz 4:4:4
☆ HDBaseT output can extend video transmission distance up to 230ft / 70m for 1080P or 131ft / 40m for 4K via a single CAT6/6a/7 cable
☆ Support HDR10 and HDR10+
☆ Audio formats support Dolby Atmos, TrueHD, Digital+, Digital; DTS X, HD Master Audio, HD High Resolution Audio, 5.1; PCM 2-8Ch
☆ Support HDMI and USB-C input
☆ US one-gang enclosure for Decora-style wall plate openings
☆ Input signal selection supports automatic mode and manual mode
☆ USB2.0 extension with Receiver
☆ Support POE function (only from Receiver to Transmitter)
☆ With USB-C charging port
☆ Available in white or black coating

3. Package Contents

① 1× 18Gbps HDBaseT 70M with USB-C/HDMI & KVM Function Wall Plate Transmitter
② 1× User Manual

4. Specifications

Technical	
HDMI Compliance	HDMI 2.0b, DisplayPort 1.2a
HDCP Compliance	HDCP 2.2
Video Bandwidth	18 Gbps
Video Resolution	4096×2160@24/25/30/50/60Hz,3840×2160@24/25/30/50/60Hz, 2048x1080p,1080p@23.98/24/25/29.97/30/50/59.94/60Hz,1080i@50/59.94/60Hz, 720p@50/59.94/60Hz, 576p, 576i, 480p, 480i
Color Space	RGB, YCbCr 4:4:4, YCbCr 4:2:2, YUV 4:2:0
Color Depth	8/10/12-bit
HDR	HDR10, HDR10+
HDMI Audio Formats	Dolby Atmos, TrueHD, Digital+, Digital; DTS X, HD Master Audio, HD High Resolution Audio, 5.1; PCM 2-8Ch
Transmission Distance	Max distance (1080p) : 230ft / 70m over CAT6/6a/7 Max distance (4K) : 131ft / 40m over CAT6/6a/7
ESD Protection	Human body model — ±8kV (Air-gap discharge) & ±4kV (Contact discharge)
Connection	

Transmitter	Inputs: 1x HDMI Type A [19-pin female]
	          1x USB-C
	Outputs: 1x HDBaseT Out [RJ45, 8-pin female]
	          1x USB-C (only for charging)
	Control: 1x USB-B [Micro USB, Update port]

Receiver	Inputs: 1x HDMI IN [Type A, 19-pin female]
	          1x HDBaseT IN [RJ45, 8-pin female]
	Outputs: 1x HDMI OUT [Type A, 19-pin female]
	          1x AUDIO OUT [Phoenix jack]
	Control: 2x USB [USB A TYPE]
	          1x FW [Micro USB, Update port]

Mechanical	
Housing	Metal Enclosure
Color	White / Black
Dimensions	Wall plate: 33.3mm [W] x 65.7mm [D] x 68.7mm [H] Faceplate: 69.9mm [W] x 3mm [D] x 114.3mm [H] Receiver: 200mm [W] x 98mm [D] x 23mm [H]
Weight	Wall plate: 196g, Receiver: 511g
Power Supply	POE (only from Receiver to Transmitter)
Power Consumption	Wall plate: 9W (Max), Receiver: 11W (Max)
Operating Temperature	32 - 104°F / 0 - 40°C
Storage Temperature	-4 - 140°F / -20 - 60°C
Relative Humidity	20 - 90% RH (no condensation)

5. Application Example

PC

CAT6/6a/7 Cable

Receiver

Transmitter

Power Adapter

Apple Power
Adapter

Notebook

TV or Monitor

Speaker

Apple