HT-DSCV3

USB 3.2 Extender Family

SPECIFICATIONS

January 27, 2025

HT-DSCV3-TX-WP

HT-DSCV3-TX

HT-DSCV3-RX

HT-DSCV3-RX-WP

HT-DSCV3-RX-V2

Introduction

OVERVIEW

The DSCV3 family is the next generation of USB 3.2 extension which supports USB 3.2 Gen 1x1 standard. These extenders support 5 Gbit/s data transfer rate and are backwards compatible with USB 3.0, USB 2.0, and USB 1.1 specifications.

The DSCV3 family includes the POH (Power over HDBT) module, which requires the extenders to be powered on only one side (TX or RX). The transmitter's built-in PSE module, when connected to local power, provides 90W charging to the host device via USB-C.

Using the HT-DSCV3-RX-V2 model, video from a PC can be received and displayed on two separate displays/monitors using only a USB-C connection from the laptop into a transmitter.

With the built-in control pass-through, users can control the source from the display's location or can control the display from the source's location. And, with their small form factor, the extenders are easy to install in many locations.

FEATURES

- Supports USB 3.2 Gen 1x1 standard
- Backwards compatible to support USB 3.0, USB 2.0, and USB 1.1 devices
- Supports 90m transmission via Cat6a/7
- Supports up to 5 Gbit/s data transfer rate
- Supports RS-232 pass-through
- POH power module – only one device connected to power
- PSE power module – provides 90W charging power to the connected host device
- Dual HDMI video outputs (-RX-V2 version only)

Package Contents

HT-DSCV3-TX

- 1x Extender Transmitter Unit
- 1x 3-Pin Phoenix Male Connector
- 2x L-brackets with Screws
- 4x Rubber Feet

HT-DSCV3-TX-WP

- 1x Extender Transmitter Wall Plate
- 1x 4-Pin Phoenix Male Connector
- 2x Mounting Screws

HT-DSCV3-RX

- 1x Extender Receiver Unit
- 1x 52V 65W Power Supply
- 1x 3-Pin Phoenix Male Connector
- 2x L-brackets with Screws
- 4x Rubber Feet

HT-DSCV3-RX-WP

- 1x Extender Receiver Wall Plate
- 1x 4-Pin Phoenix Male Connector
- 2x Mounting Screws

HT-DSCV3-RX-V2

- 1x Extender Receiver Unit with Video
- 1x 52V 65W Power Supply
- 1x 3-Pin Phoenix Male Connector
- 2x L-brackets with Screws
- 4x Rubber Feet

Specifications

Technical	
USB Standard	USB 3.2 Gen 1x1
Data Rate	Up to 5 Gbit/s
Transmission Distance	90m over Cat6A/7

HT-DSCV3-TX	
Inputs	1 x USB 3.2 Type-C, Host 1 x 3-Pin Phoenix, RS-232
Outputs	1 x RJ-45, HDBT
Firmware	1 x USB 2.0 Type-C
Dimensions	5.5" L x 4" D x 1" H (139.7mm x 101.6mm x 25.4mm)
Weight	0.95 lbs. (0.43 kg)
Power	1 x DC 52V, 1.5A, 65W (power supply not included)

HT-DSCV3-TX-WP	
Inputs	1 x USB 3.2 Type-C, Host 1 x 4-Pin Phoenix, RS-232 and 12V Power
Outputs	1 x RJ-45, HDBT
Dimensions	1.75" W x 4" H x 1.5" D (44.45mm x 101.6mm x 38.1mm)
Weight	0.3 lbs. (0.14 kg)
Power	1 x 12V, 1A on Phoenix Connector (power supply not included)

HT-DSCV3-RX	
Inputs	1 x RJ-45, HDBT
Outputs	2 X USB 3.2 Type-A, Devices 1 x USB 3.2 Type-C, Devices 1 x 3-Pin Phoenix, RS-232
Firmware	1 x USB 2.0 Type-C
Dimensions	5.5" L x 4" D x 1" H (139.7mm x 101.6mm x 25.4mm)
Weight	0.95 lbs. (0.43 kg)
Power	1 x DC 52V, 1.5A, 65W (power supply included)

HT-DSCV3-RX-WP	
Inputs	1 x RJ-45, HDBT 1 x 4-pin Phoenix, RS-232 and 12V Power
Outputs	1 x USB 3.2 Type-C, Device
Dimensions	1.75" W x 4" H x 1.5" D (44.45mm x 101.6mm x 38.1mm)
Weight	0.3 lbs. (0.14 kg)
Power	1 x 12V, 1A on Phoenix Connector (power supply not included)

HT-DSCV3-RX-V2	
Inputs	1 x RJ-45, HDBT
Outputs	2 X USB 3.2 Type-A, Devices 1 x USB 3.2 Type-C, Devices 2 x HDMI Outputs 1 x 3.5mm Line Audio Output 1 x 3-Pin Phoenix, RS-232
Resolution	4k@30Hz, each output
Firmware	1 x USB 2.0 Type-C
Dimensions	7.9" W x 4" D x 1" H (200.7mm x 101.6mm x 25.4mm)
Weight	1.3 lbs. (0.59 kg)
Power	1 x DC 52V, 1.5A, 65W (power supply included)

General	
Operating Temperature	0°C to 40°C (32°F to 104°F)
Storage Temperature	-20°C to 60°C (-4°F to 140°F)
Humidity	10% to 90%, non-condensing

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