CDPS-P313RTX

UHD 4x1 Multi-input to HDBaseT Live Video Streaming Transmitter with Recording

This Video Streaming Recorder Transmitter makes online broadcasting of live video, with a locally stored archive, an easy and simple process. Video sources from cameras, PCs, video game consoles, etc. are a breeze to connect for immediate broadcast and recording. Video content up to 4K UHD+ is supported and is automatically scaled down to a resolution that is more appropriate for efficient streaming. In addition to the standard HDMI input, a VGA input, DP input, USB-C input resolution up to 4K@30 (4:4:4, 8-bit) or 4K@60Hz (4:2:0, 8-bit) and an analog stereo audio input is also available as a source. Standard HDBaseT output allows long distance transition and outputting to a maximum of 4K@30Hz (4:4:4, 8-bit) or 4K@60Hz (4:2:0, 8-bit) to a compatible Receiver.

All video content is encoded and streamed with minimal latency and high quality making it ideal for live streaming events to a variety of popular online streaming services or within the local network. The video may also be recorded to a local network drive while it is being streamed. An audio mixer function is included, allowing an external audio source to be mixed with the embedded audio of your HDMI source (LPCM 2.0 only) for your video stream.

Pre-defined trigger design allows user to configure the action taken set the definition of each Trigger pin. Connect to the Trigger Control Keypad (OPTIONAL) or any device with trigger switch functionality, each of the 8 triggers will activate an assigned unit function when triggered.

Comprehensive EDID management provides improved compatibility with different sink devices. The intuitive WebGUI provides easy control, including your live event stream such as source selection, resolution, bitrate and more. Audio functions include volume level adjustment, mute, and mixer source selection. This unit can be controlled and configured via an intuitive WebGUI or via standard Telnet or RS-232 connections.

PANELS

Front View | Rear View

FEATURES

- Advanced H.264 video streaming and recording is provided at QVGA (320×240), VGA (640×480), 720p, or 1080p at up to 60fps
- Can act as a streaming server (using RTP/RTSP protocols) or streaming client (using the RTMP protocol)
- Audio embedding and mixing support with the analog stereo audio input Note: Analog audio can only be mixed with LPCM 2.0 audio from the HDMI source.
- Integrated support for live streaming to Facebook or YouTube channels
- On screen countdown timer to inform the audience and event host of the scheduled ending time for the current stream
- Automatic input switching and downscaling function converting UHD video content (up to 4K@60Hz) down to 1080p or lower for live video broadcast.
- Generates 4 simultaneous streams from the same video source (1080p@60fps, 1080p@30fps, VGA@30fps, QVGA@30fps) for easy system integration at multiple bandwidth targets
- Supports automatic input switching.

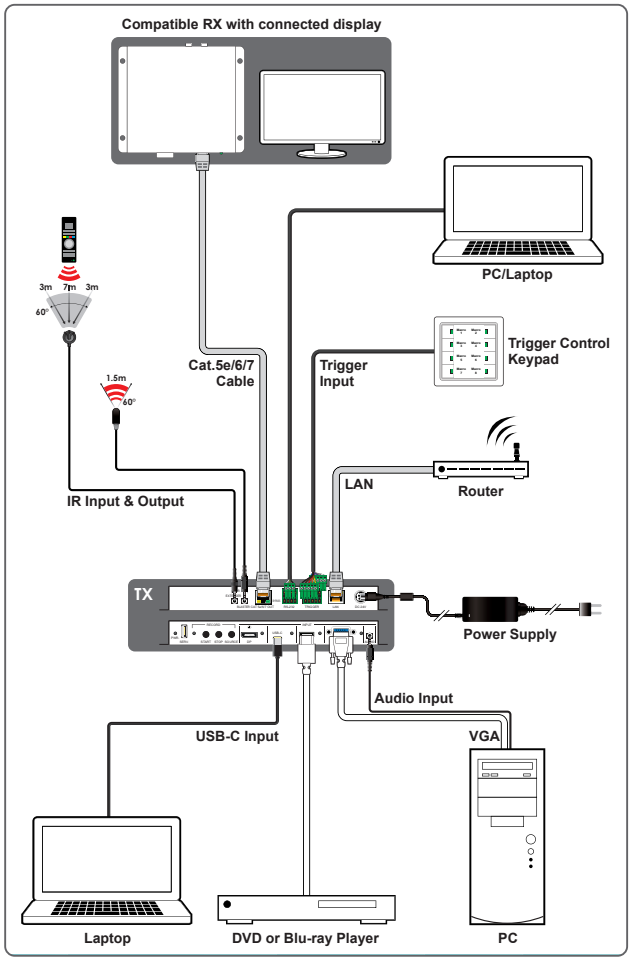
SPECIFICATIONS

Interfaces		
Input Port	1 HDMI (Type-A) 1 VGA (HD-15) 1 DisplayPort 1 USB-C 1 Unbalanced Stereo (3.5mm)	
Output Port	1 HDBT (RJ-45)	
Pass-through Port	1 LAN (RJ-45) 2 RS-232 (Terminal Block) 1 Trigger (Terminal Block) 1 IR Blaster (3.5mm) 1 IR Extender (3.5mm)	
Service Port	1 USB (Type-A)	
Video		
HDMI Compliance	2.2	
Input Signal Type	4096x2160p@30 8bit YUV4:2:0	
Output Signal Types	4096x2160p@60 8bit YUV4:2:0	
		Resolutions
Maximum Input	HDMI DP USB-C VGA	4096×2160p@60 YUV 4:2:0 4096×2160p@60 YUV 4:2:0 4096×2160p@60 YUV 4:2:0 1920×1200p@60RB
Maximum Output	HDBT H.264 Stream	4096×2160p@60 YUV 4:2:0 1920x1080p@60
Audio		
Digital Formats	2CH LPCM	
Power		
Power Supply	24V/6.25A	
Power Consumption	39.84w	
Enclosure		
Chassis Material	Metal (Steel)	
Chassis Color	Black	
Dimensions (W×H×D)	231.5mm×25mm×150mm (W×H×D) [Case Only] 231.5mm×25mm×158mm (W×H×D) [All Inclusive]	
Weight	909g	
Field Firmware Update		
USB Flash Drive, WebGUI		

ORDERING INFORMATION

Model No.	Product Description
CDPS-P313RTX	UHD 4x1 Multi-input to HDBaseT Live Video Streaming Transmitter with Recording
CH-1527RX	HDMI over CAT5e/6/7 Receiver with LAN/IR/RS-232/PoE

DIAGRAM


Compatible RX with connected display
PC/Laptop
3m 7m 3m
60°
1.5m
60°
Cat.5e/6/7 Cable
Trigger Input
Trigger Control Keypad
IR Input & Output
LAN
Router
TX
Power Supply
Audio Input
USB-C Input
VGA
Laptop
DVD or Blu-ray Player
PC