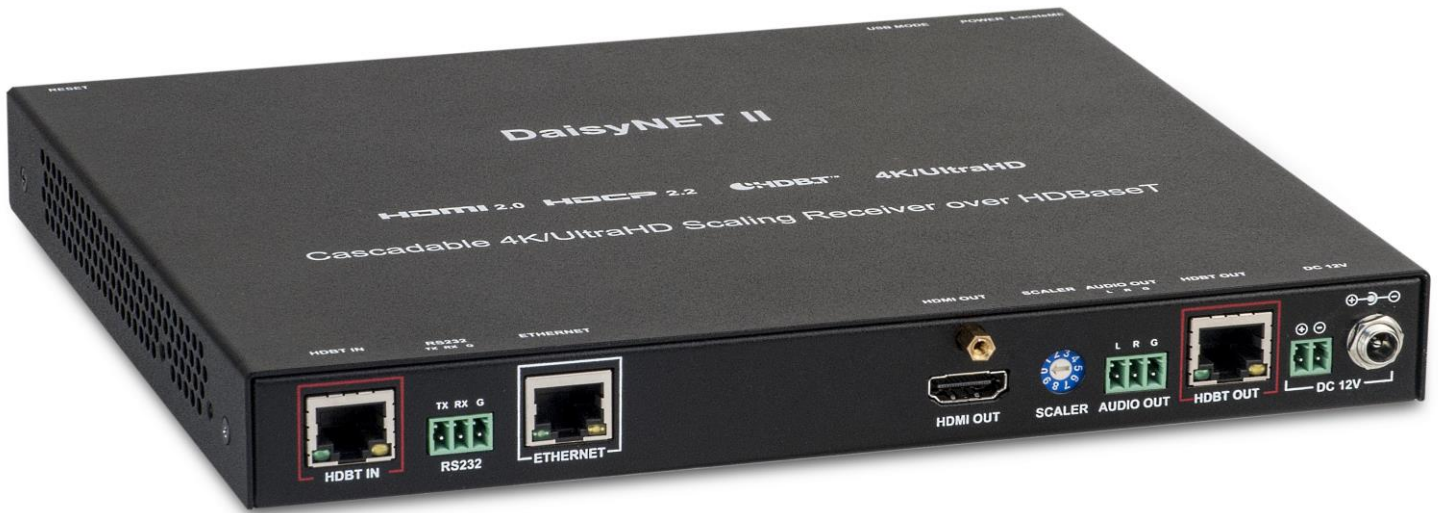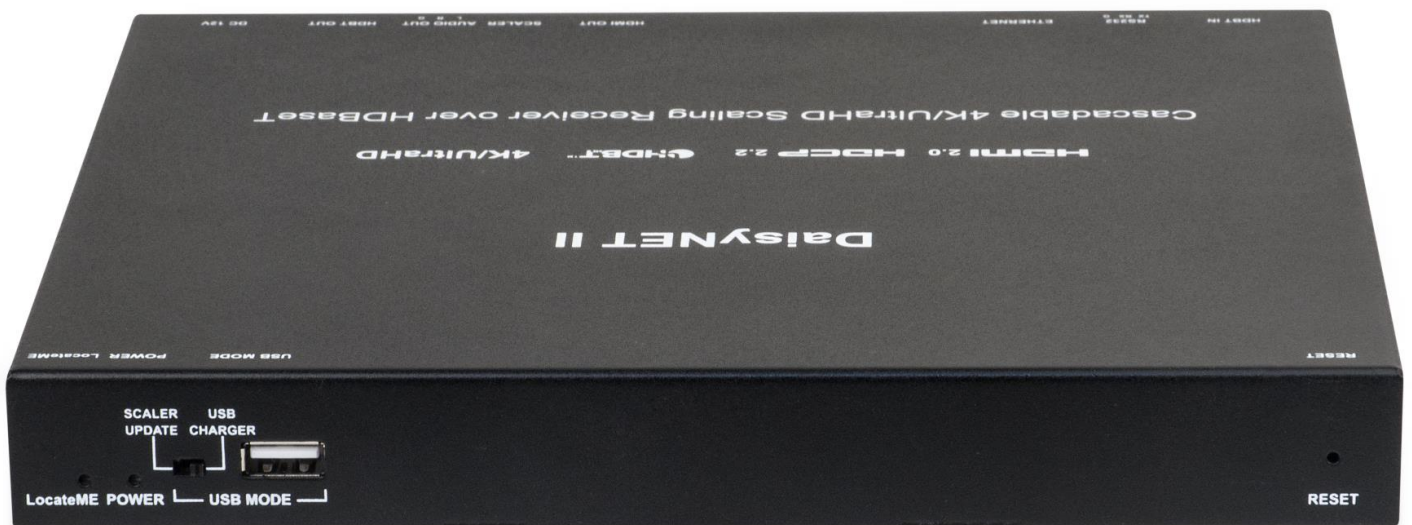# DaisyNET II Scaling Receiver (SRX)

4K/UltraHD HDBaseT Scaling Receiver

Front

Rear

Overview:

The DaisyNET II SRX is a 100m 4K/UltralHD Scaling Receiver with one HDMI output (HDMI 2.0 and HDCP 2.2), one HDBaseT in and one HDBaseT out and utilizes HDBaseT technology for daisychaining multiple units. The DaisyNET II SRX features a high quality 4K scaling engine with low latency and it supports scaled output resolutions via the HDMI output up to 4k@60Hz. An analog audio output is provided at the rear side and it delivers the embedded audio of the HDMI output in analog format.

The SRX also supports an automatic scaling function to meet the best output resolution according to the sink EDID. It also offers a rotary switch for various EDID presets. With the integrated LAN to RS232 protocol converter of the SRX you can use an IP media control system to control RS232 devices. The DaisyNET II SRX has a built-in 2-Port Ethernet Switch so that you can connect up to two Ethernet devices to the SRX. The IP signals are transported via HDBaseT the next DaisyNET unit or directly to an HDBaseT sink (e.g. projector with an HDBaseT input). An USB charger (1500mA max) is also provided to charge mobile devices.

With and user-friendly WEB GUI and Telnet API, sink control via CEC or RS232 and many other functions it is a perfect solution for collaboration and presentation applications in conference and education installations.
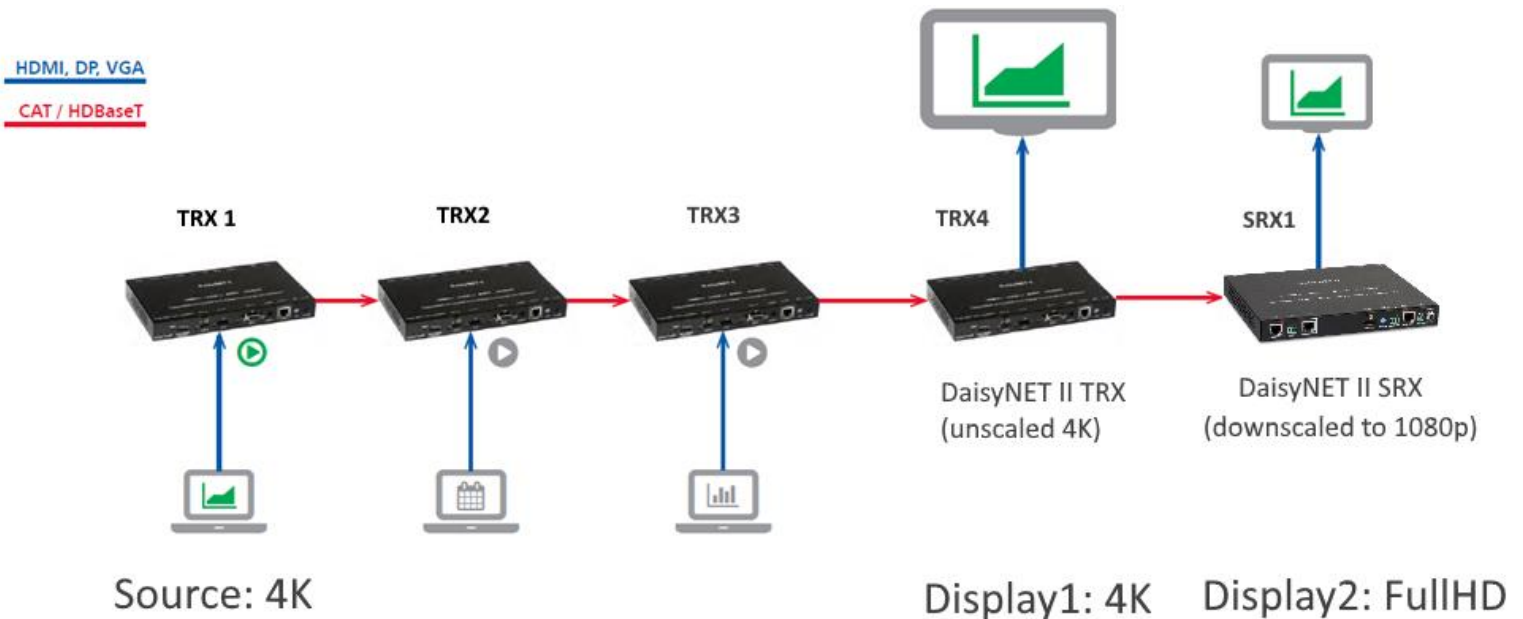
Key Features:

1. Built in high quality scaler supporting up to 4K@60Hz (4:4:4) via HDMI output

2. HDBaseT input and output to cascade multiple DaisyNET II devices (TRX or SRX)

3. HDMI 2.0 and HDCP 2.2 compatible

4. Support 4K@60Hz 4:2:0 up to 70m over Cat5e/Cat6, or up to 100m over Cat6a/Cat7.

5. Built in CEC controller and RS232 controller for smart sink control

6. Automatic CEC and RS232 commands for smart sink control (e.g. lPower On/Standby)

7. Groupe Mode for flexible applications in dividable rooms

8. LAN control with user-friendly Web GUI and Telnet API.

9. Built in 2-Port Ethernet Switch for LAN control or LAN access.

10. USB Charger up to 5V/1.5A to charge mobile devices.

11. EDID management via rotary switch on device or via Web GUI

12. Advanced signal re-clocking and cable equalization for multiple daisy-chained units.

13. Audio de-embedding of the integrated audio signal of the HDMI output.

Specifications:

Technical Specifications	
Video	
AV Input	1 x HDBaseT IN
Input Signal Type	HDBaseT
Input Resolution Support	HDBaseT: VESA: 800x600[8], 1024x768[8], 1280x768[8], 1280x800[8], 1280x960[8], 1280x1024[8], 1360x768[8], 1366x768[8], 1400x1050[8],1440x900[8], 1600x900[8] , 1600x1200[8], 1680x1050[8], 1920x1200[8] SMPTE:720x480P[7,8],720x576P[8],1280x720P[6,8],1920x1080I[6,8],1920x1080P[2,3,5,6,8],3840x2160P[2,3,5,6,8], 4096x2160P[2,3,5,6,8] Note1 :1 = at 23.98 Hz, 2 = at 24 Hz, 3 = at 25 Hz, 4 = at 29.97 Hz, 5 = at 30 Hz, 6 = at 50 Hz, 7 = at 59.94 Hz, 8 = 60 Hz; Note2: HDMI 1.4 with 4k@50Hz/60Hz(chroma sub-sampling 4:2:0 8-bit only) for HDBaseT input.
AV Output	1×HDMI OUT, 1x HDBaseT OUT
Output Signal Type	HDMI 2.0 w/HDCP, HDBaseT;
Output Resolution Support	HDMI Output: 3840x2160P[5,8],1920x1200[8],1920x1080P[8],1280x1024[8], 1280x800[8], 1280x720P[8], 1024x768[8] HDBaseT Output: VESA: 800x600[8], 1024x768[8], 1280x768[8], 1280x800[8], 1280x960[8], 1280x1024[8], 1360x768[8], 1366x768[8], 1400x1050[8],1440x900[8], 1600x900[8] , 1600x1200[8], 1680x1050[8], 1920x1200[8] SMPTE:720x480P[7,8],720x576P[8],1280x720P[6,8],1920x1080I[6,8],1920x1080P[2,3,5,6,8],3840x2160P[2,3,5,6,8], 4096x2160P[2,3,5,6,8] Note1 :1 = at 23.98 Hz, 2 = at 24 Hz, 3 = at 25 Hz, 4 = at 29.97 Hz, 5 = at 30 Hz, 6 = at 50 Hz, 7 = at 59.94 Hz, 8 = 60 Hz; Note2: HDMI 1.4 with 4k@50Hz/60Hz(chroma sub-sampling 4:2:0 8-bit only) for HDBaseT input.
Audio	
Input	HDBaseT embedded audio
Input connector type	NA
Output	HDMI audio de-embedded audio signal via mini stereo jack socket
Control	
Control method	Telnet, WEB GUI;
General	
Operating Temperature	32°F to 113°F (0°C to 45°C), non-condensing
Storage Temperature	-4°F to 140°F (-20°C to 70°C), non-condensing
Humidity	10% to 90%, non-condensing
Power Supply	DC 12V/3A
Power Consumption	20.6 W Max
Product Dimension (W x H x D)	223mm x 27mm x 196mm
Product Weight	1.2Kg
ESD Protection	Human-body Model: ±8kV(Air-gap discharge)/±4kV(Contact discharge)

Application Example:

The **DaisyNET II TRX** units 1-3 are used as source devices, while TRX 4 is used as an output device for Display1 showing the unchanged source signal in 4K coming from TRX1

The **DaisyNET II SRX** unit SRX1 scales this 4K signal down to FullHD via its HDMI output because Display2 is a 1080p display so it doesn´t support 4K signals.

On the HDBaseT output of any DaisyNET device you will always have the unchanged source signal. This allows you to daisychain further TRX or SRX units via the HDBaseT ports, depending on your application. With DaisyNET you can cascade up to 32 TRX and/or SRX.

For further information about the DaisyNET product range, please visit our websites:

www.daisynet.de or www.daisynet.eu