

HDBaseT™ Compatible HD Video Scaler and Receiver with Local HDMI Input



HDMI-TPS-RX120-HDSR is a TPS receiver with a local HDMI input and a built-in HD video scaler. Conversion between common formats and frame rates are supported. One common resolution can be used across the whole system configuration, independent of the requirements of the connected displays, which improves general performance.

The connected display receives continuous HDMI signal from the scaler when a switching in the input signal occurs.

* Please note that the physical appearance of the device is still subject to change, furthermore IR and TOSLINK ports might be dropped from the final product's features.

Specifications

Maximum Resolution:	1920x1200@60Hz (RB), FullHD 1920x1080@60Hz
Video latency	2-3 frames (= 33 .. 50ms @ 60Hz)
Audio latency	0ms, 40ms (default), 110ms, 150ms configurable
Digital audio formats:	Supports 2 channel PCM and AC3 5.1 formats (other possible formats are being tested and added)
Input cable equalization:	Automatic max 155 m (155 m LR, 120m HDBT)
EDID emulation:	Built-IN EDID
EDID memory:	No
HDCP pass through:	Yes
RS-232 pass-through:	Yes
RS-232 (control option):	9600 (local or through TPS)
Local power:	4-pole, DC 24V, 600mA
Power over TPS:	No
Power consumption:	17W
Dimensions:	160 W x 191.7 D x 30 H mm (LW case)
Enclosure:	1 mm metal
Weight:	~800 g / product (estimate)
Compliance:	CE
Warranty:	3 years

Specifications subject to change without notice

Connectors

Digital video input:	HDMI connector
Digital video output:	HDMI connector
Digital audio output:	TOSLINK connector (subject to change)
Ethernet:	1 × RJ45
IR in and out:	3.5mm jack (subject to change)
TPS input	1 × RJ45
Serial port:	9-Pole D-sub
Power:	Locking DC connector
USB-A:	FW upgrade port

User Interface

Buttons	for OSD (and resolution change hotkeys)
Power LED	
Input source feedback LED	TPS (green), HDMI(red), No signal(off)
IR sensor	remote controller, channel shared with HDBase™ IR

Supported Input Formats

VGA@60/72/75 Hz		RGB color space full range (PC): 640×480@60Hz	YUV color space, limited range (TV): 480p@60Hz 576p@50Hz
	480p/480i		
	576p/576i		
SVGA@56/60/72/75 Hz		800×600@60Hz	
XGA@60/70/75 Hz		1024×768@60Hz 1360×768@60Hz	
720p@50/60 Hz		1280×720@60Hz	720p@50/60Hz
1280×800@60 Hz		1280×800@60Hz	
SXGA@60/75 Hz		1280×1024@60Hz 1440×900@60Hz 1400×1050@60Hz	
UXGA@60 Hz			
1680×1050RB@60 Hz		1680×1050@60Hz	
1920×1080@60 Hz	1080p@50/60 Hz	1920×1080@60Hz	1080p@50/60Hz
	1080i@50/60 Hz		1080i@50/60Hz
1920×1200@60Hz		1920×1200@60Hz	

Configuration Setting Options:

Remote controller (subject to change)

RS-232 commands sent from TPS TX extenders

Output resolution can be set via RS232, hotkeys or OSD.