

Covid LUX-THB-350 VGA/HDMI/DisplayPort and audio 3x2 Universal Switcher Scaler/HDBaseT Transmitter

- Video signal path: There are 3 video inputs and 2 video outputs. The analog RGB video from the VGA input goes to the scaler's analog input; the DisplayPort (DP) input signal is first converted to HDMI, then switched with the HDMI input signal, the selected signal goes to the digital input of the scaler. The scaler converts all video to LVDS, feeds to a HDMI encoder, then to 1 HDMI and 1 HDBT output
- VGA input: 0.7 Vp-p analog RGBHV, 75 ohm impedance
- HDMI input: HDMI 2.0, 4k 30 Hz, max 10.2 Gbps
- DP input: DP 1.3, 4k 30 Hz, max 10.2 Gbps
- Video processing: 36-bit decoding, sampling, 225 MHz clock
- Video input resolution range: from 800x600 to 1920x1200
- Scaled video output resolution presets: 720p, 1080p, 1280x800, 1920x1200, 1024x768, 1280x960, 1600x1200, pixel to pixel
- HDBT output: up to 70 m (235') with Cat6 cable; POC 24 V
- Audio signal path: There are 3 audio inputs and 3 audio outputs. The digital audio embedded in HDMI and DP inputs are selected by a HDMI switcher, then goes to the scaler. The scaler produces both SPDIF digital audio and de-embedded analog audio. The latter is mixed with the analog audio input and goes to the bal/unbal analog audio outputs, and a analog to digital converter. The HDMI encoder can select this mixed audio, or the digital audio from HDMI/DP and directly pass it thru to HDMI and HDBT outputs.
- Analog audio input: stereo on 3.5 mm mini jack, nominal level -10 dBV (316 mV), max +3.5 dBV (1.5 V), 22k ohms
- Analog audio output: stereo on 5-pin 3.5 mm captive screw connector, balanced output nominal -4 dBV (632 mV), un-balanced output nominal -10 dBV (316 mV), 60 ohms
- Audio gain: 0 dB (x1) to unbal, +6 dB (x2) to bal output
- Controls: Front panel button toggle thru all 3 inputs RS-232 on 3-pin 3.5 mm captive screw, 9600/8-N-1 Contact port on 4-pin 3.5 mm captive screw, discrete pin for each input, dual function (switch to select, LED for indication)
- Power consumption: 24 V DC, up to 1 A