

UHD-Scaler-FC HDMI 2.0, 4K/60 4:4:4, HDCP 2.2 Ultra HD Scaler

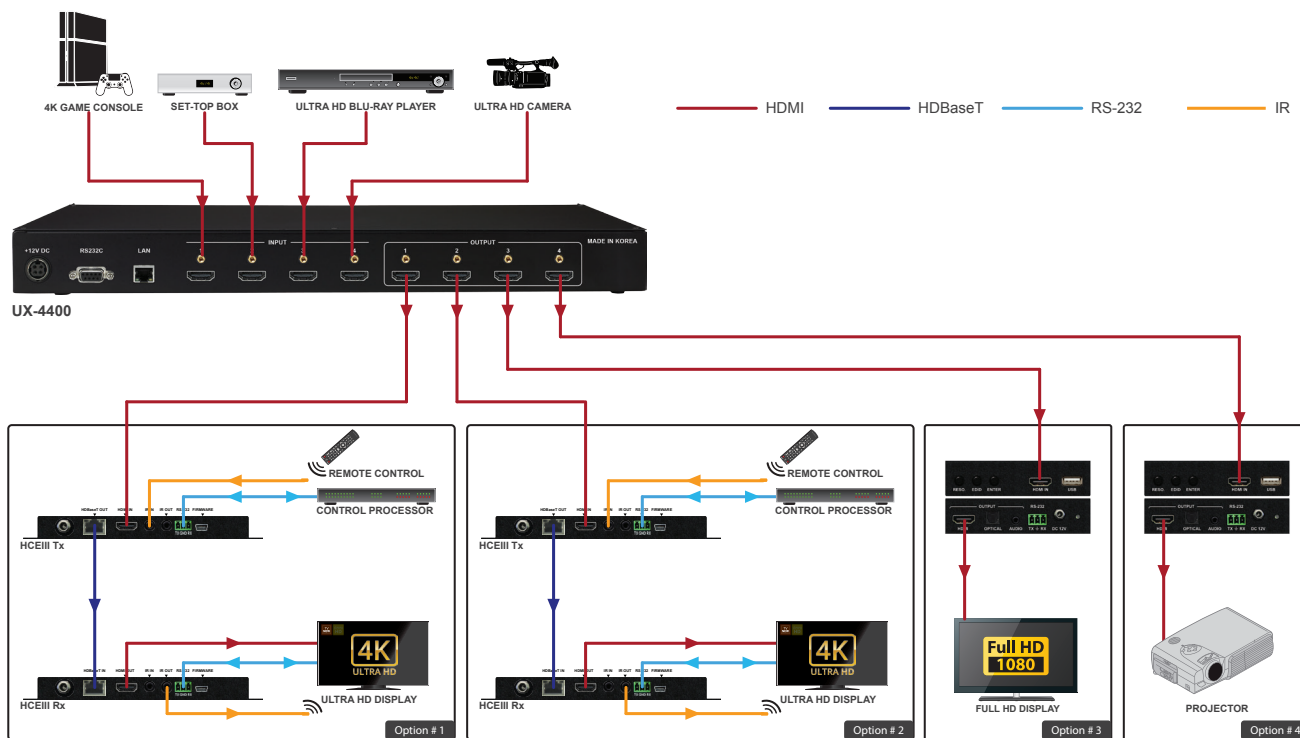


The HDTools™ **UHD-Scaler-FC** accepts a wide range of input resolutions, from 480i up to 4K@60Hz 4:4:4, and output resolutions of up to 4K@60Hz 4:4:4 (with digital and analog audio extraction). It provides one HDMI input and one HDMI output and automatically scales any input signal to match the native resolution of the display, or any connected HDMI device. The output can also be manually set to a specific resolution if desired. The scaler supports a data rate of up to 18 Gbps with 4K60 4:4:4 color format (HDMI 2.0). It also features front panel buttons, an OSD (on screen display) menu, as well as RS-232 control. PureLink's UHD-Scaler-FC is ideal for HD/Full HD/Ultra HD 4K interoperation environments that have either mismatched resolutions or that are experiencing EDID or HDCP version issues.

Application Diagram

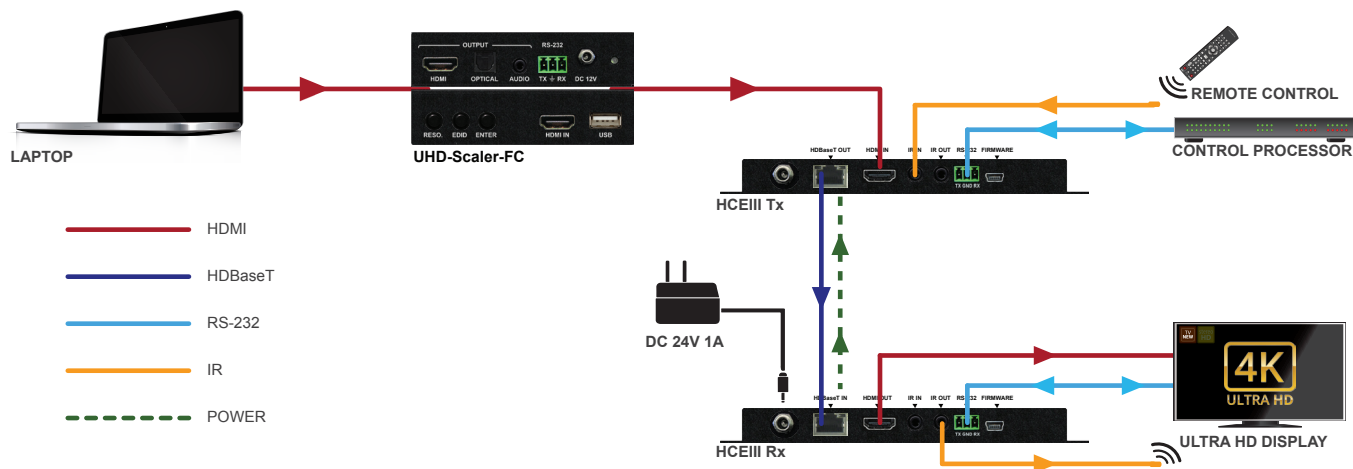
4K System with 1080p TV HDMI Matrix Application

Ultra HD/4K to 1080p downscaling
(Ex, 4K TVs in a living room and a game room and 1080p TV in a kitchen)



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Fixed Output Resolution for BYOD Application



Key Features

- Ideal solution for HD, Full HD, and Ultra HD/4K interoperation environment
- HD to Full HD or Ultra HD/4K upscaling up to 4K@60Hz 4:4:4 resolution
- Ultra HD/4K to Full HD or Hd downscaling down to 1024x768@60Hz
- Supports input & output resolutions from 480i up to 4K@60Hz 4:4:4 (HDMI 2.0)
- Automatically scales any input signal to match the native resolution of the display or any connected HDMI device
- Supports 25/30/50/60Hz frame conversion
- Manually set output to a specific resolution
- Supports data rates of up to 18 Gbps
- Automatic output picture adjustment including aspect ratio
- Front panel, OSD (on screen display) menu, and RS-232 control
- Supports HDMI audio extraction via optical digital audio and 3.5mm analog audio
- HDCP 2.2 compliant
- CEC pass-through
- Supports USB firmware update

Technical Specification

HDMI VERSION	HDMI 2.0
HDCP COMPLIANCE	HDCP 2.2
DATA RATE	18 Gbps
SUPPORTING DISPLAY RESOLUTIONS	Ultra HD/4K up to 4096 x 2160 @50/60Hz (RGB 4:4:4, YCbCr 4:4:4, 4:2:2, 4:2:0)
HDMI AUDIO	LPCM 2/5.1/7.1 Ch, Dolby Digital+, Dolby TrueHD, Dolby Digital, Dolby Atmos, DTS:X, DTS-HD Master Audio, DTS 5.1
INPUT PORTS	1 x HDMI Type A [19-pin female] 1 x RS232 [Phoenix connector] 1 x Firmware [Mini USB]
OUTPUT PORTS	1 x HDMI Type A [19-pin female] 1 x Optical digital audio 1 x 3.5mm analog audio
POWER	Input: AC100 – 240V 50/60Hz Output: DC 12V/1A (US/EU standard, CE/FCC/UL certified)
MTBF	50,000 hours
DIMENSIONS (WxDxH)	4.5" x 3.9" x 0.98" (115 x 100 x 25mm)
WEIGHT	1.0 lbs (0.45 kg)