

# UXHD CrossPoint™

Dual Input and Dual Output Analog and Digital Video Format Converter and Scaler

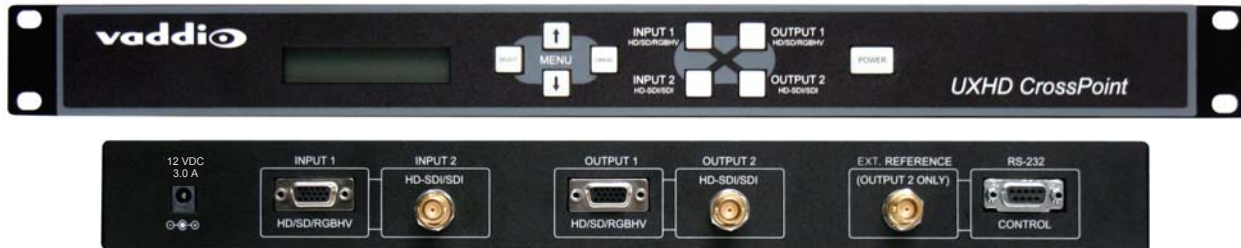


Figure 1: Front and Rear Views of the UXHD CrossPoint

The Vaddio™ UXHD CrossPoint is a dual input, dual output video format converter & scaler, designed to change an analog signal to HD/SD-SDI output, as well as change an HD/SD-SDI input to an analog output. The UXHD CrossPoint allows users to easily convert analog video and SDI signals for use with Vaddio's ProductionVIEW HD-SDI camera controller and switcher. The UXHD CrossPoint can also be used as a stand-alone video converter for a wide variety of applications.

## The INS & OUTS of the UXHD Crosspoint

The analog video input (Input 1) can be HD component (YPbPr) up to 1080p/60Hz (with monitor support), SD video (Y/C and CVBS) or a variety of RGBHV signals. When converted, the output can be configured as either HD-SDI with video resolutions of up to 1080p/60Hz or standard definition SDI. See the table on the following page for all supported resolutions. In addition, a Reference Input for Gen Lock is available for synchronizing the HD-SDI/SDI output to an external switcher.

The SDI input (Input 2) can support HD-SDI resolutions up to 1080p/60Hz or SDI. When converted from HD-SDI or SDI to analog video, the output can be SD or HD component or a variety of RGBHV signals.

**One Input, Dual Output:** UXHD CrossPoint can also be used as a signal converter with a loop-thru output. In this scenario, an HD-SDI or analog signal can be converted and/or scaled to an analog, as well as an HD-SDI output – one input, two outputs. In addition, both outputs can be converted to resolutions different from the input signal's native resolution.

UXHD CrossPoint is an ultra-flexible format converter and scaler for a variety of applications, including houses of worship, local government, live event production and other situations where format and resolution conversion of video is required.

## WHAT'S INCLUDED

The Vaddio UXHD CrossPoint includes the following items:

- UXHD CrossPoint
- PowerRite™ 18 VDC Power Supply
- AC Cord Set
- Documentation

## TECHNICAL FEATURES

### Two Converters in One Box

Convert an analog video signal to an HD-SDI/SDI, as well as an HD-SDI/SDI signal to an analog video signal. Simply program the input and output resolutions from the front panel.

### Up to 1080p Video

UXHD CrossPoint uses the world's most advanced video processing components available today to allow up to 1080p/60 resolution for both HD-SDI (single link) and Analog Component (YPbPr) video signals.

### Master RS-232 Control Port

The master control port allows connection to third-party control systems (AMX®, Crestron®, etc.) for complete access to the internal functions of the UXHD CrossPoint.

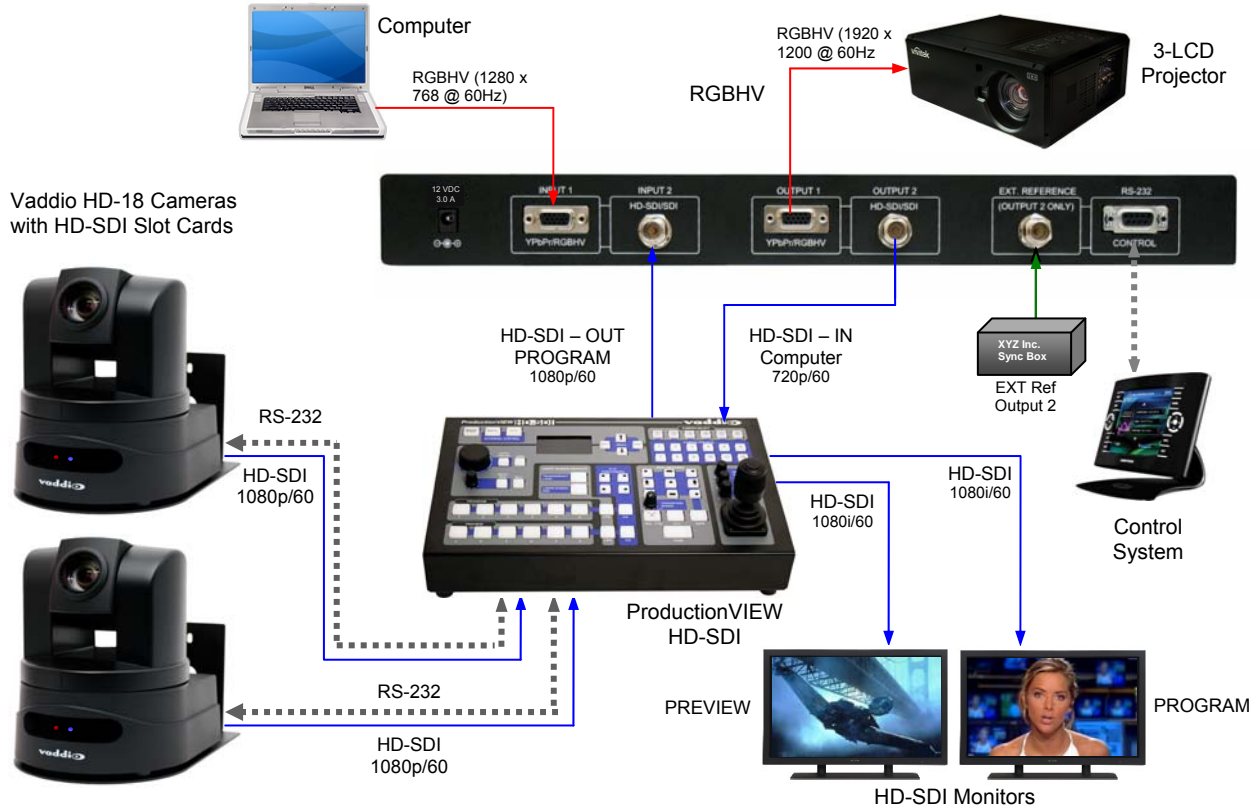
### Vaddio Part Numbers

- 999-5690-000** - UXHD CrossPoint (North America)
- 999-5690-001** - UXHD CrossPoint (International)

# SYSTEM CONNECTIVITY

## Example Configuration (Output Conversion Crosspoint and Scaling - concurrent operation):

Input 1 routed to Output 2 - Computer RGBHV to HD-SDI Input on PV-HD-SDI  
 Input 2 routed to Output 1 - ProductionVIEW HD-SDI to RGBHV Projector



# TECHNICAL SPECIFICATIONS

UXHD CrossPoint	
<b>Part Numbers:</b>	999-5690-000 (North America), 999-5690-001 (International)
<b>Video Formats Supported:</b>	3Gb/s HD-SDI/SDI Components Support SMPTE 424M, SMPTE 292M, SMPTE 259M-C, YPbPr up to 1080p/60, RGBHV (see tables below), Y/C & CVBS (NTSC & PAL)
<b>Analog/Digital Video Inputs:</b>	One (1) RGBHV, HD (YPbPr) or SD (Y/C or CVBS) / One (1) HD-SDI/SDI on BNC
<b>Analog/Digital Video Output:</b>	One (1) RGBHV, HD (YPbPr) or SD (Y/C or CVBS) / One (1) HD-SDI/SDI on BNC
<b>Control Port:</b>	One (1) RS-232 on DB-9
<b>LCD Display:</b>	2-line Blue Backlit LCD Display
<b>Power Requirements:</b>	PowerRite 12 VDC, 3.0 Amp
<b>Reference Input:</b>	BNC-Female
<b>BNC Connector Type:</b>	Circuit Board Edge Mount (3Gb/s compliant) Carrier Class BNCs with Gold Finish Body and Contacts
<b>Weight:</b>	3.2 lbs. (1.45329107kg) – approximate weight
<b>Dimensions (H x W x D):</b>	1.72" (4.4cm) H x 19" (48.3cm) W x 6" (15.2cm) D

INPUT 1 - Signal Formats	Supported Resolutions*	OUTPUT 1 - Signal Formats	Supported Resolutions*
Composite or Y-C	480i/29.97/576i/25	Composite & Y-C	480i/29.97/576i/25
YPbPr	720p/59.94/50 1080i/59.94/50 1080p/60/50	YPbPr	720p/59.94/50 1080i/59.94/50 1080p/60/50
RGBHV	640 x 480 @ 60Hz - VGA 800 x 600 @ 60Hz - SVGA 1024 x 768 @ 60Hz - XGA 1280 x 768 @ 60Hz - WXGA 1280 x 800 @ 60Hz - WXGA 1280 x 1024 @ 60Hz - SXGA 1366 x 768 @ 60 Hz - WXGA 1366 x 768 @ 60Hz - WXGA 1400 x 1050 @ 60Hz - SXGA+ 1600 x 1200 @ 60Hz - UXGA	RGBHV	640 x 480 @ 60Hz - VGA 800 x 600 @ 60Hz - SVGA 1024 x 768 @ 60Hz - XGA 1280 x 768 @ 60Hz - WXGA 1280 x 800 @ 60Hz - WXGA 1280 x 1024 @ 60Hz - SXGA 1366 x 768 @ 60 Hz - WXGA 1366 x 768 @ 60Hz - WXGA 1400 x 1050 @ 60Hz - SXGA+ 1600 x 1200 @ 60Hz - UXGA 1920 x 1200 @ 60 HZ - WUXGA (reduced blanking)
INPUT 2 - Signal Formats	Supported Resolutions	OUTPUT 2 - Signal Formats	Supported Resolutions
SDI	480i/29.97, 576i/25	SDI	480i/29.97, 576i/25
HD-SDI	720p/59.94/50 1080i/59.94/50 1080p/60/50/30/25	HD-SDI	720p/59.94/50 1080i/59.94/50 1080p/60/50/30/25