

# DVC RGB-HD A

RGB TO HDMI CONVERTER  
WITH AUDIO EMBEDDING

- ▶ Converts analog RGBHV to HDMI
- ▶ Analog stereo audio embedding
- ▶ Accepts computer video from 640x480 up to 1080p/60, as well as 1920x1200/60, with reduced blanking
- ▶ EDID Minder automatically manages EDID communication between connected devices
- ▶ USB port for product configuration
- ▶ Front panel LED provides power and signal status
- ▶ Low profile form factor



The Extron DVC RGB-HD A is a one VGA input, one HDMI output converter that digitizes analog RGBHV video to HDMI. It is compatible with a wide variety of analog RGB computer video resolutions, accepting signals from 640x480 up to 1080p/60, as well as 1920x1200/60 with reduced blanking. An analog stereo input enables audio embedding onto the HDMI output. Extron EDID Minder provides comprehensive EDID management for reliable output from the source. The DVC RGB-HD A is ideal for use anywhere analog computer video and audio must be converted to HDMI for use in AV systems.



**Extron Electronics**  
INTERFACING, SWITCHING AND CONTROL

## DESCRIPTION

The Extron **DVC RGB-HD A** is a one VGA input, one HDMI output converter that digitizes analog RGBHV video to HDMI, with analog stereo audio embedding. It accepts resolutions from 640x480 up to 1080p/60, as well as 1920x1200/60 with reduced blanking. The DVC RGB-HD A features EDID Minder® to ensure that the input source powers up properly and reliably outputs content for display. A USB port provides easy product configuration and firmware updates using Extron PCS - Product Configuration Software. The compact, low profile, one-eighth rack width enclosure enables discreet mounting in many locations, including underneath a table or behind a display.

## KEY FEATURES

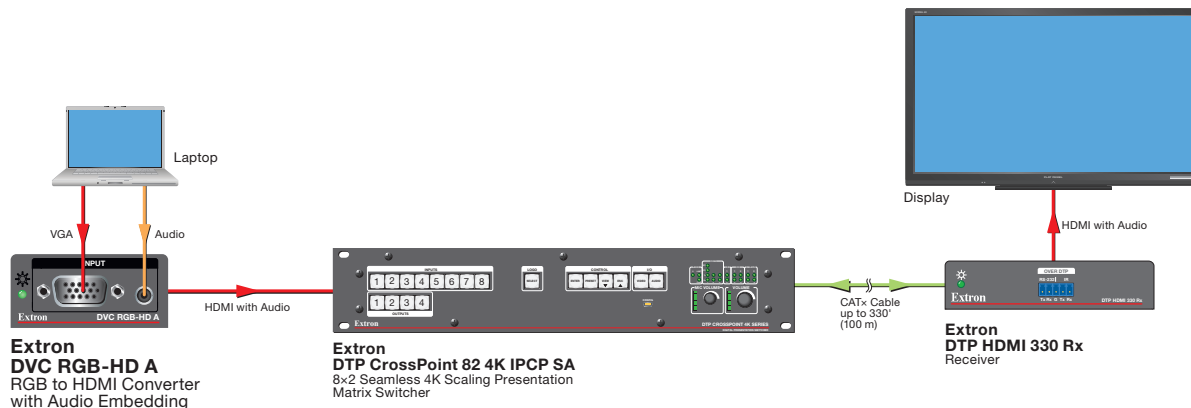
- ▶ **Converts analog RGBHV to HDMI** – Convenient, cost-effective solution for adapting analog computer video for use in digital video systems.
- ▶ **Analog stereo audio embedding** – Analog audio signals are converted to digital HDMI audio.
- ▶ **Accepts computer video from 640x480 up to 1080p/60, as well as 1920x1200/60, with reduced blanking** – Fully compatible with a wide variety of computer video resolutions.
- ▶ **EDID Minder automatically manages EDID communication between connected devices** – EDID Minder ensures that all sources power up properly and reliably output content for display.
- ▶ **USB port for product configuration** – Enables easy configuration using Extron PCS – Product Configuration Software.
- ▶ **Front panel LED provides power and signal status**
- ▶ **Low profile form factor** – Housed in a compact 1" high, one-eighth rack width metal enclosure.
- ▶ **Requires external 12VDC power source, not included** – For standalone applications, order the following Extron 12 volt external power supply: PS 1210 C (part # 70-775-01).
- ▶ **Includes Extron MBU 125 Low-Profile Mount Kit**

## SPECIFICATIONS

VIDEO INPUT – VGA		
Number/signal type	1 RGBHV	
Connectors	1 female 15-pin HD	
Nominal level	0.7 Vp-p for RGB	
Minimum/maximum levels	Analog 0.3 V to 1.5 Vp-p with no offset	
Impedance	75 ohms	
Horizontal frequency	15 kHz to 145 kHz	
Vertical frequency	30 Hz to 170 Hz	
VIDEO OUTPUT		
Number/signal type	1 single link HDMI (or DVI-D with appropriate adapter)	
Connectors	1 female HDMI Type A	
Standards	DVI 1.0, HDMI 1.1	
<b>NOTE:</b> The product does not scale video. RGBHV video and analog audio are digitized and converted to HDMI.		
AUDIO INPUT		
Number/signal type	1 stereo, unbalanced	
Connector	(1) 3.5 mm mini audio jack (tip = L, ring = R, sleeve = GND)	
COMMUNICATION		
USB control ports	1 female USB mini-B, rear panel	
GENERAL		
Power supply	External (optional) Input: 100-240 VAC, 50-60 Hz Output: 12 VDC, 1 A, 12 watts	
Mounting		
Rack mount	Yes, with optional 1U rack shelf	
Enclosure dimensions	1.0" H x 2.2" W x 3.0" D (1/8 rack wide) (2.5 cm H x 5.6 cm W x 7.6 cm D)	
Regulatory compliance		
Safety	CE, c-UL, UL	
EMI/EMC	CE, C-tick, FCC Class A, ICES, VCCI	
Warranty	3 years parts and labor	
<b>NOTE:</b> All nominal levels are at ±10%.		
<b>Model</b>	<b>Version Description</b>	<b>Part number</b>
DVC RGB-HD A	RGB to HDMI Converter with Audio Embedding	60-1614-01
<b>Optional Accessories</b>		
<b>Model</b>	<b>Version Description</b>	<b>Part number</b>
PS 1210 C	12V, 1A, Captive Screw Connector	70-775-01

For complete specifications, please go to [www.extron.com](http://www.extron.com)  
Specifications are subject to change without notice.

## APPLICATION DIAGRAM



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