

PRELIMINARY

V I V I X I I P R O C E S S O R S A N D C O N T R O L L E R S



DHD-12 VIDEO PROCESSOR

RUNCO INTERNATIONAL
DIGITAL HIGH DEFINITION



ALL DIGITAL DESIGN
ASPECT RATIO CONTROL
MULTIPLE RESOLUTIONS
PIXEL FOR PIXEL™



The World's Finest Home Theater Products™

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The DHD-12 processor is the first of Runco's new, next generation digital video processors and controllers. This 21st century design takes a giant leap in processing capabilities, combined with the most sophisticated, high quality video enhancement technology yet developed.

This product was designed to enhance all standard and HDTV material for widescreen viewing with perfection. Runco's most versatile processor ever, it has been engineered to accept all types of digital and analog inputs and then output a digital signal (via DVI) to the connected display device.

This new ViVix II digital video processing, with its digital and analog enhancement capability and pure digital signal output, sets the DHD-12 apart from any other video processor. Unique Orthogonal Line Correction addresses time elapsed field video issues with the total elimination of annoying artifacts. Multiple resolution output capability and the ability to individually manipulate every type of signal, provides precision customization for every conceivable system configuration and does so with uncomplicated ease.

The DHD-12 provides an extensive array of both digital and analog inputs, discrete switching facilities and the ability to precisely tailor and optimize any signal for the display device to which it is connected. In addition, a system control interface is integrated into the DHD-12 for simple integration with automation systems. The Runco DHD-12 establishes a new benchmark in video processing quality.

FEATURES:

- Next Generation ViVix II Pure Digital Processing
- PFP™ Pixel-for-Pixel Output Precisely Matched to any Fixed Pixel Display Device
- Orthogonal Line Processing
- Gray Sidebars to Minimize 4:3 Burn-in on 16:9 Displays
- DVI Output with HDCP
- 3:2 and 2:2 Pulldown Film to Video Detection at both 60 and 50 Frames

DHD VIDEO CONTROLLER SPECIFICATIONS:

Aspect Ratios:	Anamorphic, Letterbox, 4:3 (on either 16:9 or 4:3 screens)
Input Standards:	NTSC/PAL
Outputs:	480P, 576P, 720P, 1080i, 1024 x 768, 1280 x 768, 1366 x 768, 1280 x 1024—all with multiple aspect ratios
Inputs:	(1) Composite; (2) S-Video; (1) Component; (2) HD - R (Pr), G (Y), B (Pb), H, V; (2) DVI w/HDCP
Control Options:	Discrete infrared remote, RS-232 x 2, Front panel controls
Screen Trigger/ Masking Outputs:	(3) 12V DC, 1/8A
Bandwidth:	150 Mega Samples/Second (MSPS)

Power Requirements:	100–240V AC (auto sensing) 50/60 Hz, 160W
Operating Environments:	41°–95° F, (5°–35° C), 0%–90% Humidity (non-condensing)
Dimensions: (w/out feet)	Width: 17 1/2 in. (444.50 mm), Depth: 11 in. (279.4 mm), Height: 3 1/2 in. (88.90 mm), Weight: 13 lbs. (5.9 kg)
Included Accessories:	Rack mounting brackets
Regulatory Approvals:	Complies with FCC Class B, CE, C-Tick
Warranty:	(2) Two years parts and labor from the date of delivery to the end user



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