



DVDO iScan™ Mini



Key Features

- VRS® ClearView™ Technology
- Internet Video Cleanup
- Detail Enhancement for increased image depth and clarity
- Scaling up to 4K/60
- On-Screen Video EDID Editing
- Display set-up tools
- Digital Audio stripping to S/PDIF
- IR input port
- Dedicated remote for easy mode changes

A Compact 4K Ultra HD Video Enhancement System with VRS ClearView Technology

4K Ultra HD TVs are now readily available and deliver pristine video resolution with 8 million pixels. However, with the exception of some proprietary media players, most of today's content is not native 4K, but available on DVD and Blu-ray discs or streamed over the Internet in a highly compressed format. Artifacts generated from compression or the use of low quality scalers can result in reduced picture quality. iScan Mini is specifically designed to automatically upscale both SD and HD sources up to 4K resolution or the best resolution the display can handle while enhancing original source content. Other key features also include video setup and adjustment tools, EDID editing, and S/PDIF digital audio output. In addition, the iScan Mini's small package size provides a clean set up, which can be placed behind an existing AVR or even wall mounted TV.

VRS ClearView Technology: Video Processing

VRS ClearView technology has powered many generations of DVDO's video processors and other home theater products. The iScan Mini features the latest generation of VRS ClearView technology including advanced 4K scaling as well as enhancement technologies to remove jaggies and mosquito noise from poor quality sources, while at the same time increasing the depth and clarity of images, making any video pop.

iScan Mini sharpens Blu-ray-quality video, bringing out details and nuances not visible in the original content. It also incorporates picture enhancement presets designed for those who prefer ease of use and also provides all the necessary controls to save multiple custom settings. Since SD and HD video require different enhancements, iScan Mini automatically switches between enhancement presets based on the input video type.

VRS ClearView Technology: Adaptive Scaling

VRS ClearView Technology features 4K adaptive studio quality scaling for discerning videophiles with large screen displays or projectors. iScan Mini's state-of-the-art 4K scaler will scale video and graphics optimally, bringing out details without any ringing, unlike embedded scalers in some displays or source devices.

iScan Mini provides three scaling modes:

- **Auto mode** scales anything up to 4K or the best resolution the display can handle
- **DVDO mode** scales compatible frame rate input video to a manually chosen resolution for those who want more control

- **Off mode** disables the iScan Mini's scaler (set to 1:1 mode) while keeping other processing active

The iScan Mini works just as well with 1080p displays, scaling and enhancing SD and 720p content and brings out hidden details or corrects mosquito artifacts and compression noise from your SD and Internet streaming sources.

Display Setup

iScan Mini enables a basic display setup by providing the test patterns necessary to adjust brightness, contrast, sharpness, color/saturation levels, over scan, and resolution verification. For full 4K display set up including professional color calibration, DVDO's AVLab TPG™ (test pattern generator) is recommended. The detailed setup instructions provided in the user guide will allow any display to be quickly adjusted for optimal viewing.

EDID Editing

Not all TVs report their capabilities correctly and sometimes professional installers want to force a specific video format. In particular, 4K is a new technology and not all displays handle it the same way. On-screen EDID editing capabilities allow the professional installer full control to fix incompatibility issues.

Audio Stripping

Have a soundbar or other audio device that doesn't support HDMI®? iScan Mini has multiple audio stripping modes to send audio to its S/PDIF output in auto, stereo PCM, or AVR compatibility mode.

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Adaptive 4K UHD Display Setup Tool



Actual size

Technical Specifications

Video Signals	
Video Format Output	VGA, SVGA, XGA, SXGA, 480p, 576p, 720p50, 720p60, 1080i50, 1080i60, 1080p24, 1080p25, 1080p30, 1080p50, 1080p60, 4K24(3840), 4K24(4096), 4K25(3840), 4K30(3840), 4K50(3840) 4:2:0, 4K60(3840) 4:2:0
Standard specification	HDMI 2.0
Display Setup Patterns	Primary 75%Colors, PLUGE, Sharpness, Focus, Color Bars, etc.
Firmware Upgrade	Simple field upgrade via USB for features and pattern loading
Interface / Port	
Side Panel	1 x HDMI2.0/MHL2.0 Input 1 x USB 2.0 power and control 1 x DC input (1.7x4mm) 5V@1A or 5V@3A when using MHL input. 1 x HDMI 2.0 output 1 x 1.8" stereo mini jack IR receive dongle 1 x Direct IR receive 1 x S/PDIF optical audio out 3 x control buttons (Enhancement, Scaling, F/W Update)
Dimension (L x W x H)	80 x 63 x 20 mm (3.1 x 2.5 x 0.8 inches)
Weight	
Package	2 lbs



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