

# DVDO

# iScan™ Duo



## iScan™ Duo Simplay Labs' Dual Output HD Video Processor

### Switching, Scaling, Processing & Calibration for Two HD Screens

Video projectors are great for movies and sports, but a regular DTV is often also nearby for daytime/normal viewing. Two HD screens, each needing the same sources — cable/satellite box, Blu-ray Disc™, DVD player, game, etc. — how do you hook it all up? The DVDO iScan™ Duo enables users to easily select up to 15 video sources for either screen. Enjoy clean connections and advanced HD video processing for superior image quality too.

### Professional One-Cable Installation

Achieve a neat, professional-looking installation with just a single cable to each display. iScan Duo has a total of 15 inputs, accommodating even the most demanding home theater and pro-studio needs, yet keeps your system orderly with just one cable delivering digital video and audio to each screen. For zero cables, add DVDO Air™ as an option.

### Enjoy Perfect Video on Two Different Screens!

Video projectors often need a more compressed dynamic range than most LCD/plasma DTVs. Separate brightness, contrast, scaling and other settings on the iScan Duo determine how each source appears on each screen, so you enjoy optimal performance from your projection screen and your DTV.

### Superior Scaling for Stable, Artifact-Free Images from All Sources

Your screen displays, each with a "native" resolution, are fed many other resolutions. Run-of-the-mill scaling sometimes found in projectors, DTVs and Audio Video Receivers (AVRs) can create visual artifacts (visual errors) and jitter such as ringing or loss of detail. The iScan Duo's professional reference-grade adjustable scaling delivers exceptional picture quality from any source to correctly fit the displays. That means each

source perfectly fills each screen (PCs too!)

### High-Performance HD Deinterlacing and Noise Reduction

The iScan Duo also delivers professional-quality de-interlacing and features advanced cadence detection for movie watching and edge adaptive processing for sports and live events, at original frame rate, with interlace and "pull down" distortions removed. The iScan Duo's video processing removes mosquito noise and other annoying compression artifacts. You can get the most optimal image quality from analog devices sources too.

### Full 7.1 Channel Home Theater Compatibility and Audio Savings!

Connecting audio is easy, because iScan Duo allows your AVR and/or surround system to focus on sound. (For new installs, save money by concentrating on audio when choosing a receiver!) iScan Duo's audio-only HDMI port feeds 7.1 digital sound to your AVR, or use optical digital audio connections. iScan Duo also has onscreen source names just like an AVR (but better!), IR In/Out, Serial Port automation, and two 12v Trigger Outs for sophisticated home theaters.

### Professional Screen Calibration Tools

There are 35 built-in video test patterns to help adjust your projector and DTV for the best possible picture quality. Easy-to-follow web videos explain how to do it yourself, so you can save money without having a technician make the adjustments.



# iScan™ Duo

## High Definition Video Processor



Rear Panel of the DVDO iScan Duo

### KEY FEATURES

- **Eight HDMI inputs + Seven Analog Inputs with Onscreen Labels**  
Full connectivity with room to grow. Give each input a unique name that appears briefly onscreen whenever you switch to that source. (NTSC/PAL/SECAM compatible)
- **Two HDMI Video Outputs for Two Displays**  
Connect any input to either display – perfect for rooms with both a video projector and a conventional DTV.
- **Independent Settings for Each Source on Each Screen**  
No more re-adjusting picture settings each time you switch to the PC. The DVDO iScan Duo remembers custom settings for each source.
- **Precision Deinterlacing of Standard Definition and High Definition Signals**  
Delivers the highest quality video from all interlaced sources including most cable, satellite and over-the-air broadcasts.
- **Pair Any Audio Input With Any Video Input**  
Each video input can be independently paired with an analog or digital audio input for maximum flexibility and signal quality.
- **Mosquito Noise Reduction**  
Reduces compression artifacts in digitally compressed signals, like cable, satellite and Internet-based video.
- **Fine Detail and Edge Enhancement**  
Allows you to accurately adjust the sharpness of the picture to your liking.
- **PReP™**  
DVDO's exclusive Progressive ReProcessing PReP™ technology dramatically improves video quality of imperfectly processed sources such as a DVD player, Blu-ray, or cable/satellite box.
- **Precision, Custom Video Scaling**  
Perfect resolution matching to both your projector and DTV. Tired of those "black bars"? Don't want to see improperly stretched or squeezed pictures? Precisely choose how each source fills each screen with separate horizontal and vertical zoom controls.
- **Precision AV LipSync™**  
Eliminates audio/video sync problems. Automatically adds precise delay so audio and selected video are perfectly synchronized. User-set audio delay up to 200 milliseconds can fix sync errors with cable, satellite, etc.
- **Game Play Bypass**  
Small time delays from video processing can throw off video game play. Special near-zero-latency Game Mode enables a connection to EDGE Green without compromising playability.
- **35 Professional Calibration Test Patterns**  
Helps you set up your projector and DTV for optimal viewing.

### TECHNICAL SPECIFICATIONS

#### 15 Video Inputs:

- Eight HDMI 1.3 (Accepts 480i/p-60, 576 i/p-50, 720p-50/60, 1080i-50/60, 1080p-24/50/60, VGA-SXGA@60Hz)
- Three Composite (NTSC/PAL/SECAM)
- One S-Video (NTSC/PAL/SECAM)
- Two Component (YPbPr or RGB/S – accepts 480i/p-60, 576i/p-50, 720p-50/60, 1080i-50/60, 1080p-60)
- One HD15 (Accepts VGA, SVGA, XGA, SXGA@60Hz)

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#### 14 Audio Inputs:

- Eight HDMI 1.3
- One Coaxial Digital (Assignable)
- Three Optical Digital (Assignable)
- Two Analog Left/Right (Assignable)

#### Five Outputs:

- Two HDMI 1.3 Audio/Video Output (For Connection to two displays)
- One HDMI 1.3 'Audio Only' output for receivers (AVRs) with HDMI
- One Optical Digital
- One Coaxial Digital

#### Home Theater Control Connections:

- IR In/Out mini-jacks (For placement in cabinets or closets)
- Two Programmable 12-volt Trigger Outputs
- RS-232 Serial Port for Automation
- Mini USB Port for Software Upgrades

#### Video Output Resolution Formats:

- Auto detection of display's native resolution up to 1920x1200 (WUXGA)
- Manual output format selection of 11 video standards, including 1080p60, 1080p0, 1080p54, and 1080p24

#### Additional Features and Controls:

- IR Remote Control with direct access
- All functions accessible via intuitive, easy to follow On Screen Display (OSD)
- Two-line 20-character easy-to-read front panel display
- Fully programmable controls for each video input with
  - Automatic input source detection & input priority selection
  - Picture controls: Fine Detail, Edge Enhancement, Mosquito Noise Reduction, Brightness, Contrast, Saturation and Hue

#### Power:

- External universal 12v power adapter requires 100 – 240 VAC @ 50-60 Hz
- Consumption <60w
- Sleep Mode – automatic 30 second timeout indicated by power light color change

#### Physical Dimensions (Height x Width x Depth):

- 10.4"x17"x2.2" (26.3cmx43.4cmx5.5cm) with feet
- 10.4"x17"x1.8" (26.3cmx43.4cmx4.6cm) without feet
- Standard 19" 1U 1.75" Rackmount included
- Weight – Complete Package: 12.2 lbs.
  - Unit Only: 6.6 lbs. (Without power supply)

Note: For more info on DVDO's patented video processing technology, please visit [www.dvdo.com/tech](http://www.dvdo.com/tech)

#### EXCLUSIVE GLOBAL DISTRIBUTOR

**SCP** **Structured Cable Products**  
Quality Installations Deserve Quality Products

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