

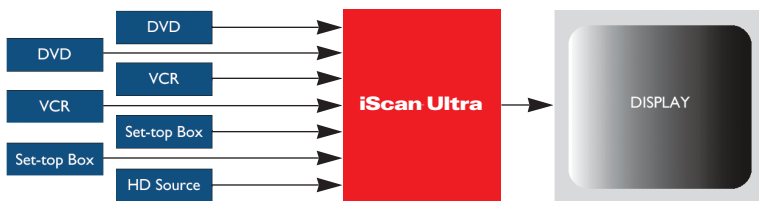
iScan™ Ultra

Home Theater Video Processor



The iScan Ultra is the perfect "video hub" for the sophisticated home theater system. This unique video processor takes in video from seven different sources, including DVD players, Satellite TV receivers, Personal Video Recorders (such as TiVo and RePlay), VCRs, and Laserdisc Players. Standard NTSC and PAL video are converted into high-quality 480-line Progressive Scan video. High Definition sources (such as HDTV tuners and PC video outputs) can be connected as well though a high-bandwidth Passthrough input.

- Ideal for Plasma Display Panels, DLP and LCD Projectors and other Progressive Scan displays
- State-of-the-art *PureProgressive™* Motion and Source Adaptive Video Processing
- Separate Picture Controls, individually programmable for each input
- Chroma Upsampling Error (CUE) Correction Filter removes MPEG decoder artifacts
- Full Aspect Ratio Control
- High performance full-frame Time Base Correction
- Advanced Source Transition Management for seamless video presentation of poor edits
- 12-bit video digital-to-analog converters (DACs), featuring 8X Chroma Oversampling and 4X Luma Oversampling @ 108MHz
- Multiple outputs, including Digital Visual Interface (DVI) all-digital RGB link
- Infrared remote control



DVDO Home Theater Products

by Anchor Bay Technologies, Inc.

300 Orchard City Drive
Campbell, California 95008

Email Sales@DVDO.com
Website www.DVDO.com
Toll Free (866) 423-DVDO
Fax (408) 379-3836



digital video done outrageously

iScan Ultra Technical Specifications

- Motion and source adaptive video deinterlacing
- Horizontal and vertical scaling for full Aspect Ratio Control
- Full-frame Time Base Correction
- Vertical chroma filter for removal of MPEG decoder chroma artifacts (chroma upsampling error)
- Source adaptive processing
 - NTSC sources
 - Film - 3:2 pulldown detection and correction (inverse telecine)
 - Computer graphics @ 30 frames/second
 - Video @ 60 fields/second
 - PAL/SECAM sources
 - Film - 2:2 pulldown detection and correction
 - Computer graphics @ 25 frames/second
 - Video @ 50 fields/second
- Advanced Source Transition Management provides seamless transitions between source types
- Autodynamic threshold control provides robust 3:2 pulldown and 2:2 pulldown detection and correction, even with noisy source material
- Motion detection on a per-pixel basis
- Four input fields used to determine content of each output frame
- Cubic interpolation for pixel calculations
- Diagonal processing reduces "jaggies"
- 12 bit video digital-to-analog converters (DACs) with 4X oversampling
- High performance, multi-standard video decoder
- High-quality adaptive comb filter with 2D Y/C separation
- Six video inputs accept standard NTSC, PAL, and SECAM signals
 - Two Composite inputs
 - Two S-Video inputs
 - Two standard-definition Component Video inputs (Y-Pb-Pr)
- One Video Passthrough input accepts HDTV and PC signals
- Analog Video Output
 - 15-pin VGA PC-type HD connector
 - RGB or YPbPr colorspace
 - Discrete H, V sync, composite sync, or sync-on-green (or Y)
 - 480-line progressive scan video @ 31.5kHz horizontal scan rate for NTSC sources
 - 576-line progressive scan video @ 31.25kHz horizontal scan rate for PAL/SECAM sources
 - RGB - 0.7 Vpp, TTL sync
 - YPbPr - 0.7Vpp, sync on Y 1Vpp
- Digital Video Output - Digital Visual Interface (DVI) for digital RGB interface
- Controls
 - Input select
 - Aspect ratio select
 - Full frame
 - letterbox
 - squeeze mode
 - Picture controls with memory for each input
 - Brightness
 - Contrast
 - Saturation
 - Hue
 - Y/C Delay
 - Sharpness (two levels - edge enhance and fine detail)
- Output Controls
 - Color space
 - RGB
 - YPbPr
 - Sync
 - Curtain
 - Analog/DVI
 - DVI format
- Power
 - Universal AC mains input: 100 - 240 VAC @ 50 - 60 Hz
 - Consumption < 10W
 - Sleep mode - automatic 30 second timeout indicated by POWER indicator color change
- Physical
 - Dimensions 10.4" x 17" x 2.2" (26.3cm x 43.3cm x 5.5cm) (with desktop feet)
 - Standard 19" 1U 1.75" rack mount option (brackets not included - see below for ordering information)
- Weight
 - Shipping - 12.9 lb. (5.9 kg)
 - Unit (without power supply) - 5.45 lb (2.5 kg)
- iScan Ultra SKU number: MM504
- Optional rackmount brackets (call or email for price) - SKU number: 99-1211



DVDO Home Theater Products

by Anchor Bay Technologies, Inc.

300 Orchard City Drive
Campbell, California 95008

Email Sales@DVDO.com
Website www.DVDO.com
Toll Free (866) 423-DVDO
Fax (408) 379-3836