iScan™ VP20

DVDO by Anchor Bay

Anchor Bay's DVDO iScan VP20 High Definition Video Processor

The iScan™ VP20 is a high-definition video processor and A/V hub that converts standard or high definition from your DVD player, VCR, PVR, HD set top box, game console, or PC to any of the predefined output resolutions between 480p and 1080p, including popular HDTV resolutions such as 720p and 1080i.
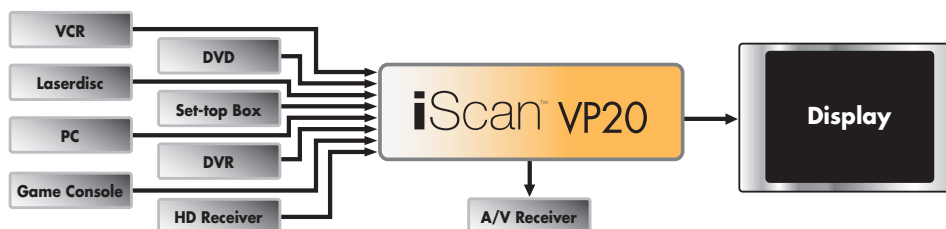
The VP20 serves as your complete A/V hub, providing simultaneous audio/video switching with video up/down/cross-conversion with one digital HDMI connection to your display or projector.

- **Precision Video Scaling II™ technology by Anchor Bay** – 10-bit Scaling with Enhanced Sharpness Control
- Motion and source adaptive video deinterlacing for NTSC (3:2 and 2:2 pulldown; video) and PAL/SECAM (2:2 pulldown; video) sources
- Accepts VRS Precision Deinterlacing Card (optional)
- Analog HD Transcoding and Processing
- Flexible Input and Output Aspect Ratio Control
- **Rightrate™** – High-Performance Framerate Conversion NTSC <∙> PAL
- **AutoVFR™** – Intelligent Component Video Inputs with Automatic Video Format Routing
- Advanced Source Transition Management provides seamless transitions between source types
- **AutoCUE-C™** – Automatic Chroma Upsampling Error detection and correction
- Full-frame Timebase Correction
- High performance, multi-standard video decoder (10-bit: 480i/576i; 12-bit: 480p/576p/720p/1080i)

- High-quality super-adaptive comb filter with 2D Y/C separation
- Flexible Digital and Analog Audio switching and routing – four digital audio inputs and one analog audio input with two digital audio outputs (both active)
- **Precision A/V Lipsync™** intelligent digital audio delay technology to match Audio and Video timing

Video Output Resolution

- Predefined output resolutions for Plasma, DLP, LCD, LCOS, and CRT-based displays
  — Digital Television Standards – 480p (720x480), 576p (720x576), 720p (1280x720), 1080i (1920x1080), 1080p (1920x1080)
  — PC resolutions – VGA (640x480), SVGA (800x600), XGA (1024x768)
  — Other presets - 852x480, 1024x576,1024x1024 (ALIS), 1280x768, 1366x768, 1360x768

ANCHOR BAY

Rear Panel of the DVDO iScan VP20

Technical Specifications

9 Video Inputs
- 2 Composite (NTSC/PAL/SECAM)
- 2 S-Video (NTSC/PAL/SECAM)
- 2 Component (YPbPr or RGB/S) processes 480i/p-60, 576i/p-50, 720p-50/60, 1080i-50/60
- 3 HDMI (RGB or YCbCr) processes 480i/p-60, 576 i/p-50, 720p-50/60, 1080i-50/60, VGA-XGA@60Hz

8 Audio Inputs
- 3 HDMI
- 2 Assignable Coaxial Digital
- 2 Assignable Optical Digital
- 1 Assignable Analog Pair (L/R)

Outputs
- 1 HDMI Output
  — Configurable for RGB (4:4:4) or YCbCr (4:4:4 or 4:2:2)
  — Also carries digital audio
- 2 Digital Audio Outputs
  — 1 Coaxial Digital
  — 1 Optical Digital

Input Aspect Ratio Controls
- Presets: 4:3 full frame, 4:3 letterbox, Panorama, 16:9 full frame or user-defined aspect ratio (10)
- Flexible Horizontal and Vertical Zooming (up to 2x) & Panning controls
- Overscan Adjustment per input

Output Aspect Ratio Controls
- Presets: 4:3 and 16:9

Picture Controls
- Fully programmable controls with separate non-volatile memories per input and input resolution
- Brightness, Contrast, Saturation, Hue, Sharpness, and Fine Y/C Delay

Operation
- Intuitive On Screen Display and easy to read 2 line, 20 character Front Panel Display
- Front Panel Controls, included IR Remote Control (discrete codes available), Automation via RS232 port

Output Controls
- Output Resolution, Sync Type, Colorspace (RGB or YPbPr/YCbCr)

21 Built-in test patterns for optimal setup

Software Upgradeable via Serial Port

Miscellaneous

Power
- Universal AC mains input: 100 – 240 VAC @ 50-60Hz
- Consumption < 30W
- Sleep Mode – automatic 30 second timeout indicated by power led turning off

Physical Dimensions
- 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 optional

Weight
- Shipping – 11.6 lbs (5.3 kg)
- Unit without Power Supply – 6.8 lbs (3.1 kg)

SKU number
- iScan VP20 – MM604

Available Accessories
- Brushed Aluminum Face Plate
- Rackmount

Infrared Remote Control with Discrete Codes

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DVDO *by Anchor Bay*

VRS *by Anchor Bay*

HDMI
HIGH-DEFINITION MULTIMEDIA INTERFACE