

# iScan™ VP30

High Definition Video Processor



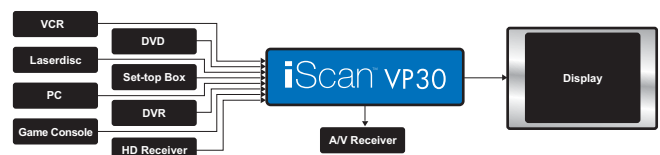
The iScan™ VP30 is a high-definition video processor and A/V hub that converts standard or high definition from your DVD player, VCR, PVR, HD set top box, game console, or PC to any output resolution between 480p and 1080p, including popular HDTV resolutions such as 720p and 1080i.

The VP30 serves as your complete A/V hub, providing simultaneous audio/video switching with "any rez in - any rez out" video up-conversion with just one wire to your display.

- ABT's Precision Video Scaling II™ technology by ABT – 10-bit Scaling, Non-linear Scaling, 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
- User defined output resolution from 480p to 1080p
- Analog HD Transcoding and Processing
- Flexible Input and Output Aspect Ratio Control
- Display Profiles – For multiple display configurations (4)
- ABT's Rightrate™ – High-Performance Framerate Conversion
- ABT's AutoVFR™ – Intelligent Component Video Inputs with Automatic Video Format Routing
- Advanced Source Transition Management provides seamless transitions between source types
- ABT's AutoCUE-C™ – Automatic Chroma Upsampling Error detection and correction
- 12-bit digital-to-analog converters (DACs)
- Full-frame Timebase Correction
- High performance, 10-bit multi-standard video decoder
- 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)
- ABT's Precision A/V Lipsync™ intelligent digital audio delay technology to match Audio and Video timing

## Video Output Resolution

- Predefined resolutions
  - Digital Television standards – 480p, 576p, 720p, 1080i, 1080p
  - PC Standards – VGA, SVGA, XGA, SXGA
  - Plasma resolutions – 852x480, 1280x768, 1024x1024, 1366x768, "and any custom resolution"
  - DLP resolutions – 1280x720, 1024x576, 848x600
  - LCOS resolutions – 1400x1050, 1365x1024, 1400x788
  - CRT resolutions – 1280x960, 1440x960, 1440x1152
- User customizable output resolution from 480p (720x480) to 1080p (1920x1080)



# iScan™ VP30 HIGH RESOLUTION VIDEO SCALING ENGINE



Rear panel of the iScan™ VP30

## Technical Specifications

### Inputs

#### Twelve Video Inputs Available

- Two Composite (NTSC/PAL/SECAM)
- Two S-Video (NTSC/PAL/SECAM)
- Two Component (YPbPr or RGB/S) processes 480i/p, 576 i/p, 720p, 1080i
- One RGBHV/Component (BNC-style connectors) processes 480i/p, 576 i/p, 720p, 1080i
- Four HDMI processes 480i/p, 576 i/p, 720p, 1080i
- One SD-SDI (Serial Digital Interface) Optional

#### Nine Audio Inputs

- Four HDMI
- Two Coaxial Digital
- Two Optical Digital
- One Analog Pair (L/R)

### Controls

#### Front Panel

- Infrared remote control with direct access codes or manual controls on front panel
- Functions accessible via either On Screen Display (OSD) or front-panel LED display
- RS232 port for software downloads and automation.
- Fully programmable controls for each separate video input with non-volatile memories:
  - Automatic input source detection & input priority selection
  - Input aspect ratio select: 4:3 fullframe, 4:3 letterbox, 16:9 fullframe or custom input aspect ratio
  - Output aspect ratio select: 4:3, 16:9 or custom output aspect ratio
  - Flexible horizontal and vertical Zooming & Panning controls
  - Picture controls with memory for each input: Brightness, Contrast, Saturation, Hue, Y/C Delay, Sharpness
- Output Controls: Analog/Digital, Format/Resolution, Aspect Ratio, Sync Type, Colorspace (RGB or YPbPr), Frame Lock, Display Profiles (4)
- 27 Built-in test patterns for ease of set up

#### Miscellaneous

##### Power

- Universal AC mains input: 100 – 240 VAC @ 50-60 Hz
- Consumption <30W
- Sleep Mode – automatic 30 second timeout indicated by power indicator color change

##### 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 Kit Available (P/N 17-0307-05)

##### Weight

- Shipping – 10.5 lb (4.8 kg)
- Unit without Power Supply – 6.4 lb (2.9 kg)
- SKU number
  - iScan VP30 – MM603
- Optional Rackmount Bracket – 17-0307-05
- Optional SDI Input Module – SDI-601

### Outputs

#### One Analog Video Output

- Using High Quality BNC-style connectors
- Configurable for YPbPr, RGBHV, RGB/S, or RGB

#### One Digital Audio/Video Output

- Using HDMI (High Definition Multimedia Interface) connector
- Configurable for YPbPr or RGB
- Also carries digital audio

#### Two Digital Audio Outputs

- One Coaxial Digital
- One Optical Digital



Infrared Remote Control with Discrete codes



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