

# iScan™ HD / iScan™ HD+

## HIGH RESOLUTION VIDEO SCALING ENGINES



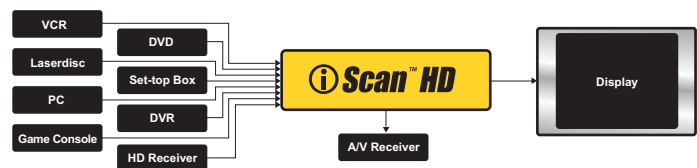
The **iScan™ HD** is a high-resolution video scaling processor & hub that converts standard-definition video content from your DVD player, VCR, PVR, digital satellite receiver, game console, or PC to any output resolution between 480p and 1080p, including popular HDTV resolutions such as 720p and 1080i.

The **iScan™ HD+** incorporates all the features of the iScan HD and adds scaling of high definition sources (720p, 1080i) as well as HDCP compliance over DVI.

- Motion and source adaptive video deinterlacing for NTSC (3:2 and 2:2 pulldown; video) and PAL/SECAM (2:2 pulldown; video) sources
- Precision Video Scaling™ technology by Anchor Bay Technologies
- User defined output video resolution from 480p up to 1080p
- Flexible Input and Output Aspect Ratio Control
- Display Profiles - For multiple display configurations
- Rightrate™ - High-performance Framerate Conversion
- 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
- 12 bit video 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 Audio switching and routing - four audio inputs and two audio outputs
- Precision AV LipSync™ intelligent digital Audio Delay technology to match Audio & Video timing

### Video Output Resolution

- Predefined resolutions
  - Digital Television standards
    - 480p, 576p, 540p, 720p, 1080i, 1080p
  - PC standards
    - VGA, SVGA, XGA, SXGA
  - Plasma resolutions: 852x480, 1280x768, 1024x1024, 1366x768
  - DLP resolutions: 1280x720, 1024x576, 848x600
  - DILA resolutions: 1400x1050, 1365x1024, 1400x788
  - CRT resolutions: 1280x960, 1440x960, 1440x1152
- User customizable output resolution from 480p up to 1080p



# iScan™ HD / iScan™ HD+ HIGH RESOLUTION VIDEO SCALING ENGINES



Rear panel of the iScan™ HD / HD+

## Technical Specifications

### Inputs

- Nine video inputs
  - Two Composite inputs accept standard NTSC, PAL, and SECAM signals
  - Two S-Video inputs accept standard NTSC, PAL, and SECAM signals
  - Two Component Video inputs (YPbPr or RGB/S) process 480i, 480p, 576i, 576p signals; pass-through 720p and 1080i High Definition signals
  - One VGA Analog Passthrough input – VGA HD-15 connector
  - One DVI input, DVI-I connector
    - HD; processes 480p, 576p signals; pass through 720p, 1080i signals
    - HD+; processes 480p, 576p, 720p, 1080i signals with HDCP
  - One SDI (Serial Digital Interface) Optional
- Four digital audio inputs - can be assigned individually to any of the video inputs:
  - Two Digital Optical inputs
  - Two Digital Coaxial inputs
- Accepts S/PDIF Dolby Digital, DTS, LPCM @ 44Ksps to 96 Ksps, 16 bits to 24 bits

### Controls

- 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
- 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 Profile
- 27 Built-in test patterns for ease of set up
- 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" x 17"x 2.2" (26.3cm x 43.3cm x 5.5cm) with desktop feet
  - Standard 19" 1U 1.75" rackmount option
- Weight
  - Shipping – 10.5 lb (4.8 kg)
  - Unit (without power supply) – 6.4 lb (2.9 kg)
- SKU number:
  - iScan HD - MM601
  - iScan HD+ - MM602
- Optional rackmount brackets - SKU number: 17-0307-05

### Outputs

- One DVI Output – DVI-I connector
- One Analog Video Output – VGA HD-15 connector
  - RGB or YPbPr colorspace
  - Separate H&V sync, composite sync, or sync-on-video (bi-level or tri-level sync)
- Two digital audio outputs
  - One Digital Optical output
  - One Digital Coaxial output
- RS-232 port
  - For software downloads and automation control



Infrared Remote Control with discreet codes



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