

Introducing the iScan Ultra™, the latest addition to the acclaimed iScan family of video processing systems. The iScan Ultra builds on the performance of the highly rated iScan Pro™, extending functionality to provide the complete video solution for today's home theater.

The iScan Ultra's award-winning PureProgressive™ video processing capabilities include:

State-of-the-art deinterlacing and line doubling for dramatically improved rendering of standard-definition video on digital televisions (DTVs) and projectors. Motion-adaptive deinterlacing and source adaptive processing of NTSC, PAL or SECAM video provides near high-definition (HD) video performance from standard-definition sources such as DVD players, VCRs and set-top boxes.

Video Switching between seven inputs, including dual composite, S-Video and component inputs, plus a pass-thru input for high-definition video, progressive video or computer video formats

Precise Picture Control, with separate settings stored for each input, including brightness, contrast, saturation, hue, Y/C delay, sharpness (edge enhance, fine detail) and a chroma filter for removing MPEG-decoder chroma artifacts

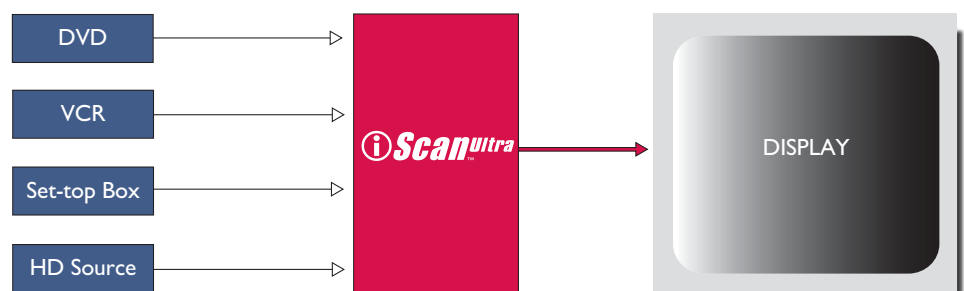
High Quality Scaling for full aspect ratio control, enabling a 4:3 letterbox format to fill the screen of a 16:9 widescreen display

Digital Visual Interface (DVI) output, offering the highest digital video quality for the growing number of DTVs and projectors supporting DVI inputs, without suffering the losses associated with an analog interface

The iScan Ultra bridges the gap between the array of existing standard-definition video sources and the performance of today's DTVs and projectors, providing a seamless system solution for a quality home theater experience.

Compatible With

- HD and DTVs
- Multimedia TVs
- Video Projectors
- Data Projectors
- Computer Monitors





iScan Ultra Features

Video Processing

- Motion-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
- Source adaptive processing NTSC sources:
 - Film (3:2 pulldown detection)
 - Computer graphics (30 frames/sec)
 - Video (60 fields/sec)
- PAL/SECAM sources:
 - Film (2:2 pulldown detection)
 - Computer graphics (25 frames/sec)
 - Video (50 fields/sec)
- Source Transition Management provides seamless transitions between source types
- Auto-dynamic thresholds enable reliable 3:2 pulldown & 2:2 pulldown detection even with noisy sources
- Motion detection on per-pixel basis
- Four input fields used to determine contents of each output frame
- Cubic interpolation for pixel calculations
- Diagonal processing reduces "jaggies"
- 10-bit video DACs with 4X over-sampling

Input Stage

- High-performance, multi-standard video decoder
- High-quality adaptive comb filter for two-dimensional Y/C separation

Video Input

- Six video inputs accept standard NTSC, PAL & SECAM signals
 - Two composite video inputs
 - Two S-Video inputs
 - Two component video inputs
- One video pass-thru input accepts HDTV and PC resolutions

Analog Video Output

- 15-pin VGA-type HD connector
- RGB or YPbPr output colorspace
- Separate H,V sync, composite sync, or sync on green (or Y)
- Output:
 - 480p progressive scan video, 31.5kHz horizontal scan rate for NTSC input sources
 - 576p progressive scan video, 31.25kHz horizontal scan rate for PAL & SECAM input sources
- RGB - 0.7 Vpp, TTL Sync
- YPbPr - 0.7 Vpp, Sync on Y - 1.0 Vpp

Digital Video Output

- DVI connector for digital RGB

Controls

- Infrared remote control
- Input select
- Aspect ratio selection: full-frame, letterbox, squeeze mode
- Picture controls for each input: brightness, contrast, saturation, hue, Y/C delay, sharpness (edge enhance, fine detail), chroma filter
- Output controls: color space (RGB or YPbPr), sync, curtain, analog/DVI, DVI format

Input Cables

- Composite video
- S-Video
- Component video

Power

- 9W, 100-240VAC, 50/60Hz

Dimensions (in/cm)

- 10.4/26.3L x 17/43.3W x 2.2/5.5H

Weight (lb/kg)

- 5.45/2.5 (excluding power supply);
- 12.9/5.9 shipping

Part Number - iScan Ultra