Silicon Image The DVDO iScan™ Plus V2 | Line Doubler/Upconverter

Continuing our tradition of providing the highest quality video at the lowest possible price, Silicon Image presents the latest edition of the award-winning DVDO iScan Plus. The new iScan Plus V2 offers even better video performance than the original as well as the ability to accommodate an even wider variety of television sets.

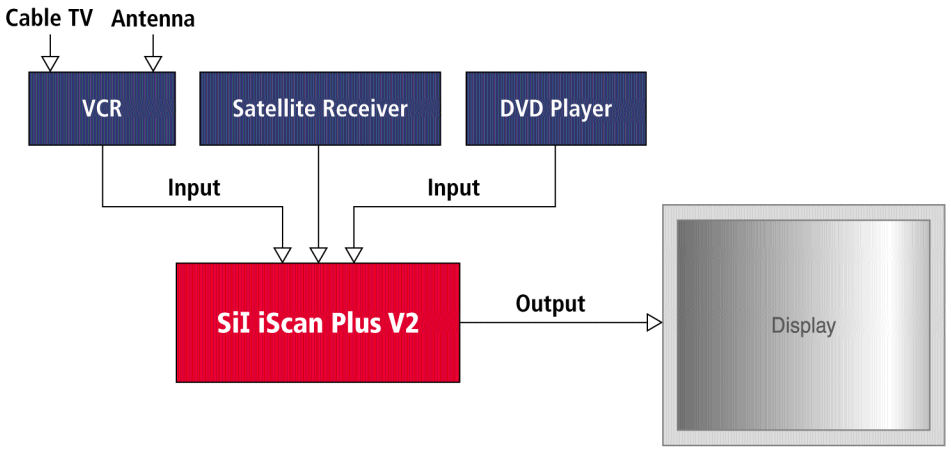
Like the original, the iScan Plus V2 performs an extremely high-quality upconversion process that converts existing standard definition video from DVD, videotape, laser disc, satellite or standard broadcast television to a near high-definition signal, dramatically improving the video image.

The technology behind this upconversion consists of advanced motion-adaptive and source-adaptive processors that convert the incoming video stream from 60 interlaced fields per second to 60 progressively scanned frames per second. In addition to offering the fastest and most accurate film detection available and advanced Source Transition Management, the iScan Plus V2 is also able to recognize video sequences that were originally created as computer graphics or 30 frame-per-second animation.

With a new Squeeze mode, the iScan Plus V2 is able to horizontally compress a 4:3 image into a 16:9 frame. This allows the iScan to be used with HDTV sets that are unable to perform this aspect ratio conversion on their own.

Compatible With

- High Definition or "Digital-Ready" Televisions
- Multimedia Televisions
- Data Projectors
- Video Projectors (31.5KHz scan rate required)
- Computer Monitors



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DVDO iScan™ Plus V2 Features

Video Processing

- Four input fields used to determine contents of each output frame
- Progressive Source Detection and reassembly of original frames
  - Film (3:2 pulldown detection)
  - Computer graphics (30 Fps)
  - Video
- Auto-dynamic thresholds enable reliable 3:2 pulldown detection even with noisy sources
- Source Transition Management provides seamless transitions between source types
- Motion-adaptive video de-interlacing
- Motion detection on per-pixel basis
- Cubic interpolation for pixel calculations
- Diagonal processing reduces "jaggies"
- Low-noise, high-accuracy 10-bit video DACs

Input Stage

- High-detail low-noise video decoder
- High-quality adaptive Y/C comb filter

Video Input

- Two S-Video inputs
- One composite video input
- Auto sensing and switching
- Accepts standard NTSC signals

Video Output

- 15-pin VGA-type HD connector
- RGB or Y-Pr-Pb output colorspace
- Separate H, V synchronization; composite sync; sync on green (or Y)
- Outputs 480p progressive scan video, 31.5kHz horizontal scan rate

Controls

- Input select/priority switch (1/2/3)
- Aspect ratio selection (Normal or Squeeze)
- Output color space select (RGB or Y-Pr-Pb)

Input Cables

- S-Video
- Composite Video

Power

- 100-240VAC, 50/60Hz

Part Number - I-Scan Plus V2

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