

Introducing the multi-system iScan Pro, the flagship product in the iScan family of line-doublers/upconverters brought to you by Silicon Image. The iScan Pro offers the highest video quality in its class using the latest video processing technology. In addition to all the features of the popular, highly rated iScan Plus V2, the iScan Pro includes the following enhancements for even better performance and compatibility with more TVs.

Component video input allows the iScan Pro to accept the highest quality video signal from a DVD player. Keeping the video in component form provides the maximum picture and color resolution available from a DVD disc to the display.

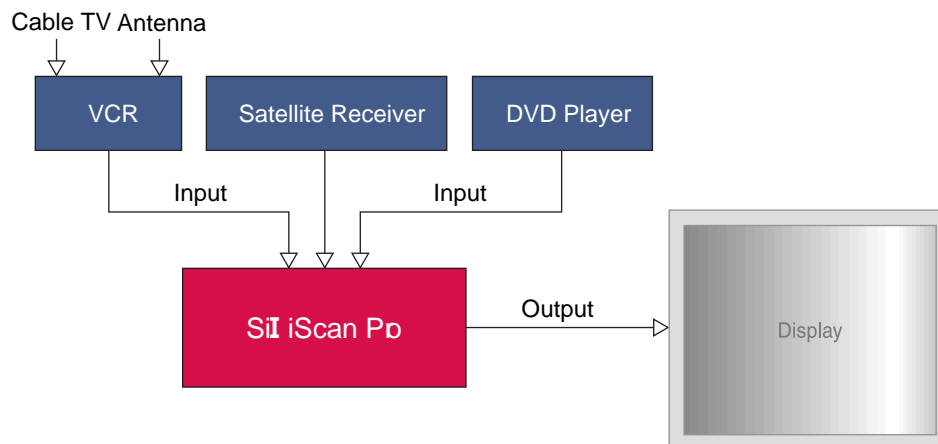
Picture controls, including brightness, contrast, saturation, hue and sharpness have been added, allowing the user the option of adjusting the video output for optimal picture quality on their display.

With multiple video standards support, users all over the world can now enjoy the best picture quality at an affordable price because the iScan Pro is designed to accept NTSC, PAL and SECAM sources.

Consistent with the iScan family of products, the iScan Pro converts existing standard-definition video from DVD, Laserdisc, videotape, satellite and standard broadcast television to a near high-definition signal. The resulting picture is dramatically improved with twice the vertical resolution and no flicker.

Compatible With

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



## The iScan™ Pro Features

### Video Processing

- Motion-adaptive video deinterlacing
- Source adaptive processing

#### NTSC sources:

- Film (3:2 pull-down detection)
- Computer graphics (30 frames/sec)
- Video (60 fields/sec)

#### PAL/SECAM sources:

- Film (2:2 pull-down 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 pull-down & 2:2 pull-down detections 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"
- Low-noise, high-accuracy 10-bit video DACs

### Input Sta ge

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

### Video Input

- One S-Video input
- One composite video input
- One component video input
- Auto sensing and switching
- Accepts standard NTSC, PAL & SECAM signals

### Video Output

- 15-pin VGA-type HD connector
- RGB or YPbPr output colorspace
- Separate H, V synchronization; composite sync; 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 and SECAM input sources
- RGB - 0.7 Vpp, TTL Sync
- YPbPr - 0.7 Vpp, Sync on Y-1.0 Vpp

### Controls

- Input select/priority switch (1/2/3)
- Picture controls: brightness, contrast, saturation, hue, and sharpness
- Aspect ratio selection (Normal or Squeeze)
- Output color space select (RGB or YPbPr)



### Input Cab les

- Component Video
- S-Video
- Composite Video

### Power

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

### Dimensions (in/cm)

- 8.3/21L x 5.8/14.7W x 1.4/3.5H

### Weight (lb/kg)

- 1.3/1.6 (excluding power supply)
- 4.2/1.9 shipping

Part Number - I-Scan Pro

Silicon Image, Inc.  
1060 E. Arques, Sunnyvale, CA 94085 USA  
T +1.408.616.4000 F +1.408.830.9530  
www .siimage.com