

EZscan™ Model II Universal Video Processor

Pictures Pending

I/O resolutions up to WUXGA

User-configurable as 1U rackmount or benchtop unit

EZscan™ II configuration utility supports user-defined:

- ✓ **input timing, Area-of-Interest, output timing**
- ✓ **border colors, image flips (left/right, top/bottom)**
- ✓ **Image rotation in 90 degree increments**

Dynamic controls via RS-232 and USB, including brightness, contrast, area-of-interest, etc.

Inputs: DVI-I standard (TMDS and Analog RGB), NTSC/PAL

Outputs: DVI-I standard (TMDS and Analog RGB), NTSC/PAL

Non-interlaced or interlaced (RS-170, RS-343) Analog RGB I/O

Features: Based on state-of-the-art image processing technology, the EZscan™ Model II capabilities include:

- conversion of computer-generated (DVI, RGB) and specialty (RS-343, RS-170, STANAG) video sources with separate syncs or sync-on-green
- digitization and de-interlacing of consumer video formats, including NTSC and PAL
- generation of monitor (DVI, RGB), TV (NTSC/PAL), and specialty (RS-343, RS170, STANAG) video
- frame rate conversion
- unlimited, independent horizontal and vertical scaling
- programmable image position within larger background area for both input and output
- incoming video gain and offset adjustments
- fine phase clock adjustment for pixel sampling
- image can be reversed left to right
- image can be flipped top to bottom
- image can be rotated in 90 degree increments
- remote interface for both set-up and operational control

EZscan™ Model II Specifications

Input Specifications (Subject to change without notice)

Video Type	Standard: Analog RGB (0.7 Volt levels, Interlaced or Non-Interlaced), TMDS, NTSC/PAL
Pixel Rate	Up to 162 MHz
Clocks per Line	Up to 4096 (2048 Active)
Lines per frame	Up to 2048
Sync Type	HV, Composite Sync, or Sync-on-Green
Phase Adjustments	Sample clock can be adjusted to ensure center sampling
Connectors	DVI-I connector for Analog RGB, TMDS (DVI to HD15 adapters included in delivery) RCA and S-Video connector for NTSC/PAL (cannot connect to RCA and S-Video simultaneously)

Output Specifications

Video Type	Standard: Analog RGB (0.7 Volt levels, Interlaced or Non-Interlaced), TMDS, NTSC/PAL
Pixel Rate	Up to 162 MHz
Clocks per Line	Up to 4096 (2048 Active)
Lines per frame	Up to 2048
Sync Type	HV, Composite Sync, or Sync-on-Green
Connectors	DVI-I connector for Analog RGB, TMDS (DVI to HD15 adapters included in delivery) RCA and S-Video connector for NTSC/PAL (cannot connect to RCA and S-Video simultaneously)

Electro Mechanical

Input Power	IEC Connector, 100-240 VAC, 47-63 Hz, less than 60 Watts
Control	RS-232, USB
Size	Rackmount config: 19"W x 8"D x 1.75"H, Benchtop config: 17.4"W x 8"D x 2.12"H
Weight	Less than 5 lbs.
Certifications	CE, RoHS

Warranty

Specialty Features	One year
Color processing depth	Interlaced to non-interlaced conversion, image rotation, image flip
Re-sizing limits	Windowing, Programmable border colors, Brightness and Contrast adjustments
	10 bits per color
	Virtually unlimited

Each EZscan Model II delivery includes:

EZscan Model II unit, (2) DVI to HD15 adapters, rackmount ears, and configuration utility