

# INDIE Series

## Multi-Format Signal Processor

# FSR

Video Products Group

INDIE SERIES



### FEATURES

- Three universal inputs accept RGBHV/RGBS/RGsB computer video, component video (SD or HDTV), S-video, or composite video with loop-through
- Four video outputs; (2) RGB or component video, (1) composite video, and (1) s-video
- User-defined aspect ratio conversion and adjustments
- Pan and zoom
- Freeze
- 10-Bit processing
- Motion Adaptive and Field to Frame de-interlacing modes
- 3:2 pulldown detection for NTSC and 2:2 film detection for PAL video sources
- Decodes NTSC, PAL, and SECAM
- Ethernet for real-time control
- Encodes NTSC and PAL
- Genlock, H/V Lock and VLock
- Executive mode: protects system configuration settings during use
- 64 independent memory presets

#### INDIE 300

INDIE 300 includes all of the standard features, including:

- Three Universal Inputs
- Four Video Outputs
- Aspect Ratio Conversion and adjustments
- 10-Bit Processing
- Ethernet Connection

#### INDIE 400-SDI

INDIE 400-SDI includes all INDIE 300 features, PLUS:

- SDI input and output
- Upgradable to INDIE 400-HD feature set
- Motion adaptive de-interlacing for HDTV inputs
- Logo image capture and recall feature
- Dissolve to/from stored logo

#### INDIE 400-HD

INDIE 400-HD includes all INDIE 400-SDI features, PLUS:

- HD/SDI input and output
- DVI-I connectors support both universal analog and DVI input with loop-through on Input 1
- DVI-D output

### DESCRIPTION

FSR's INDIE is a powerful all-in-one signal processor that accepts a wide range of video input signals and processes them into a number of different signal formats to meet the video requirements of virtually any application.

The INDIE is available in three models; INDIE 300, INDIE 400-SDI and the fully loaded model INDIE 400-HD.

All units are high performance video scalers, scan converters, switchers and transcoders in one. The INDIE is the ideal solution for converting RGB, HDTV, component, s-video, composite (NTSC, PAL and SECAM), DVI, SDI and HD/SDI into a user-selectable video format. The INDIE supports a wide variety of analog and digital output formats including broadcast and VESA standards along with many native plasma formats. INDIE users may also create custom output formats to support unique display requirements.

The INDIE line has an advanced feature set that includes: universal inputs, aspect ratio conversion, memory presets, test patterns, vertical lock (Genlock), picture adjustments, motion adaptive de-interlacing, and 3:2 and 2:2 pulldown detection to name a few.

### FSR Inc.

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## SYSTEM APPLICATIONS

- LED Wall Processing
- 24 Frames Per Second Playback
- Tiled Display
- Transcoder
- Scaler
- NTSC / PAL Decoder
- NTSC / PAL Encoder
- Down Converter
- Up Converter
- Seamless Switcher
- Frame Synchronizer
- SDTV to HDTV Scaler
- Multi-Format Synchronizer
- Signal Processor

## SPECIFICATIONS

### VIDEO INPUT

**Inputs:** (3) on Indie-300

(4) on Indie-400 SDI and Indie-400 HD

**Universal Inputs:** (3) high bandwidth video channels support RGBHV/RGBS/RGsB computer video, component video (SD or HDTV), S-Video, or Composite Video.

**Connectors:** Input 1 and 2 on 15-pin HD connectors with buffered loop-through, input 3 on five BNC connectors with buffered loop-through.

**Digital Video Input:** (1) SDI input on Indie-SDI model, or SDI/HDSDI input on Indie-HD.

**Connectors:** BNC

**Digital Video (DVI) Input:** (1) Input on DVI-I connector supports both universal analog and DVI input with loop-through.

**Input Resolution Range:** VGA (640x480), SVGA (800x600), XGA (1024x768), SXGA (1280x1204), UXGA (1600x1200), HDTV 480p, 720p, 1080p, 1080i, 875 RS-343, 525 RS-170.

**Standard Resolution Video Input:** NTSC, PAL or SECAM.

**Horizontal Frequency:** 15 kHz to 120 kHz

**Vertical Frequency:** 25 Hz to 120 Hz

**Input Termination:** 75 Ohm

**Input Sync:** Sync-on-Video, Seperate C or H/V

**External Syn (Genlock) Input:** Blackburst, Computer H/V Sync or C-Sync

**Connectors:** BNC

### VIDEO OUTPUT

**Output:** (4) on Indie-300

(5) on Indie-400 SDI

(6) on Indie-400 HD

RGB or component video, (SD or HDTV) on HD-15.

RGB or component video (SD or HDTV) or composite video on five BNC.

Composite video on BNC.

S-video on 4-pin mini-DIN connector

SDI on BNC, Indie-400 SDI and Indie-400 HD models only, or SDI/HDSDI on Indie-400 HD.

DVI output on DVI-D connector on Indie-400 HD model only.

**Standard resolution video output:** NTSC, PAL

**High resolution output supported:** VGA (640x480), SVGA (800x600), XGA (1024x768), SXGA (1280x1204), UXGA (1600x1200). For Plasma Displays 1280x768, 1365x768, 1365x1024, HDTV 480p, 720p, 1080p, 1080i, 875 RS-343, 525 RS-170

User definable video output formats supported.

**Sync:** RGBHV, RGBS, RGSB, TTL level, Polarity selectable, HDTV.

Tri-level sync supported.

75 Ohm Output Impedance.

### REMOTE CONTROL

Ethernet connection (with TCP/IP) or RS-232 serial port for real-time control.

### DIMENSIONS

Height: 1.5"

Width: 17" (43.2 cm) or 19" (48.3 cm) with rack mount option.

Depth: 13"

Weight: 9 lbs.

Shipping Weight: 13 lbs.

### INPUT POWER

100-240 VAC, 47-63Hz

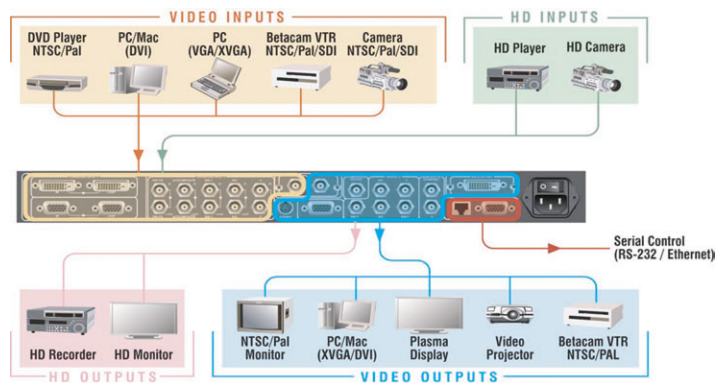
### ENVIRONMENTAL

Temperature: 0-40 degrees C

Humidity: 0-95% noncondensing

### WARRANTY

All video products are designed and tested to the highest quality standards and are backed by a full three year parts and labor warranty.



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