

## Teranex Mini

### Up/Down/Cross-Conversion

**In:**

480i (59.94)  
576i (50)  
720p (50)  
720p (59.94)  
1080i (50)  
1080i (59.94)

**Out:**

720p; 1080i (59.94)  
720p; 1080i (50)  
576i; 1080i (50)  
480i; 1080i (59.94)  
576i; 720p (50)  
480i; 720p (59.94)

**Input:** 1 – HD/SD-SDI

**Output:** 2 – HD/SD-SDI; 1- Loop

### RS232 Control

**Aspect Ratio Control:** Allows selection from standard aspect ratios such as common top & bottom, common sides, anamorphic and flexview.

**Picture Settings:** Adjusts Video Gain, Black Level, Hue, Saturation, Sharpness and Detail.

**3:2 Handling:** Recognizes and handles the redundant fields inserted by telecine during 24fps film to 30fps video conversion. By detecting 3:2 sequences, it allows for better performance in the de-interlace process by maintaining the full vertical resolution.



Rear I/O for Mini

### MINI SUPPORTS THE FOLLOWING

|              |  |
|--------------|--|
| Mini-UPC-2 F | Up Converter - 2 Frame Delay                 |
| Mini-UPC-4 F | Up Converter - 4 Frame Delay                 |
| Mini-DNC-2 F | Down Converter - 2 Frame Delay               |
| Mini-DNC-4 F | Down Converter - 4 Frame Delay               |
| Mini-UDCS    | Up/Down/Cross Converter                      |
| Mini-UDCSN   | Up/Down/Cross Converter with Noise Reduction |

- Refer to the Platforms, Packages, Formats application note for a list of formats included in each package.

### Flexview

Flexview (available in 480i59.94 to 720p 59.94 & 1080i59.94 and 576i50 to 720p50 & 1080i50 up-conversions) is a non-linear anamorphic aspect ratio designed for use when converting 4:3 material to 16:9 without the tradition distortion of a normal anamorphic stretch. Flexview leaves the center portion of the image untouched but provides increasing amounts of stretch towards the edges of the image, filling the 16:9 image without distorting the center action area.

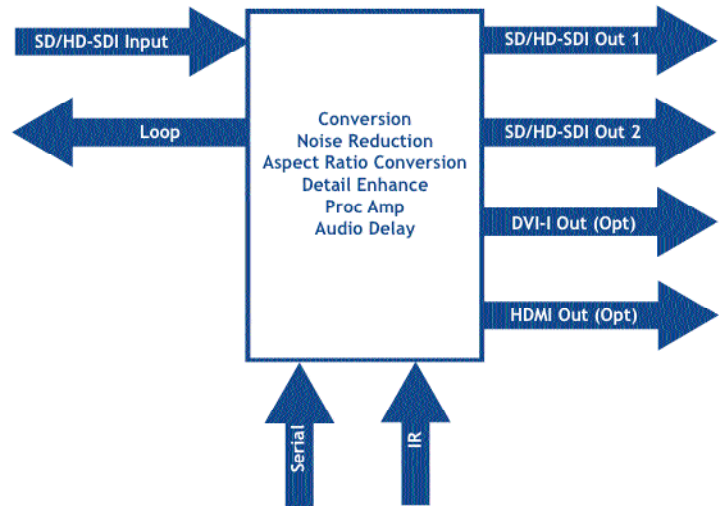
### Mini Features

- PixelMotion™ De-interlacing
  - Multi-direction Diagonal Filter (MDDF™) eliminates "jaggies"
  - 2-Frame/4-Frame Delay Mode
  - Per-Pixel Temporal Recursive Noise Reduction
  - Aspect Ratio Conversion
  - Flexview - Non Linear Anamorphic Aspect Ratio
  - Per-Pixel Video/Film detection & processing
  - Film mode detection including 3:2, 2:2, 2:3:3:2, 3:2:3:2:2, 5:5, 6:4, 8:7. etc
  - Scene Change Detection
  - Detail Enhancement
  - Embedded Audio Handling
- Not all features are available in all configurations, consult your Teranex Representative for specific details

### Mini SPECIFICATIONS

#### Video and Audio I/O

|                             |  |
|-----------------------------|--|
| <b>Serial Digital In</b>    | 1 x SDI (SD or HD) (BNC), 10-bit serial digital input with Loop out<br>SD at 270Mbps; Rec 601 with embedded audio SMPTE 272M<br>HD at 1.485Gbps; SMPTE 292M with embedded audio SMPTE 299M |
| <b>Serial Digital Out</b>   | 2 x SDI (SD or HD) (BNC), 10-bit serial digital outputs<br>SD at 270Mbps; Rec 601 with embedded audio per SMPTE 272M<br>HD at 1.485Gbps; SMPTE 292M with embedded audio per SMPTE 299M     |
| <b>DVI-I Out (Optional)</b> | 1 x DVI-I, Digital Video Interface - Intergrated Supports Digital and Analog Component Video Max resolution 1920x1080 @ 60p  |
| <b>HDMI Out (Optional)</b>  | 1 x HDMI, High Definition Multimedia Interface Max resolution 1920x1080 @ 60p  |
| <b>Control</b>              |  |
| <b>OSD</b>                  | On Screen Display  |
| <b>IR</b>                   | Infrared   |
| <b>RS-232</b>               | 1 x RS232, 9-Pin   |
| <b>Miscellaneous</b>        |  |
| <b>Power</b>                | 12V DC, 15W  |
| <b>Temperature</b>          | 0°C to 50°C  |
| <b>Dimensions</b>           | 1.52" H x 5" W x 8.5" D  |



Teranex Headquarters  
7800 Southland Blvd., Suite 250  
Orlando, FL 32809  
T 407.858.6000  
F 407.858.6001  
www.teranex.com

Teranex Europe  
Podbielskistraße 333  
30659 Hannover, Germany  
T +49.511.626.45.0  
F +49.511.626.45.80



A service program that protects and enhances your Teranex investment.

©2005 Silicon Optix  
Subject to change  
Mini\_DS\_v11