

## Broadcast Solutions - UHD/4K Video

Available: Q2 2017

Demos Now!!



“Tigerfish”  
12G-SDI↔Quad 3G-SDI

Tigerfish

### 12G-SDI to/from Quad 3G-SDI

- 2-SI and Square Division support and conversion
- Level A and B support
- Auto-rate and format sensing inputs
- Mode control via Web interface or DIP switches
- Bi-color status indicators
- Universal +12V wall adapter
- Conduction cooled
- In-field upgradability



“Stingray”  
12G-SDI↔HDMI4K

Stingray

### HDMI4K to/from 12G-SDI

- Auto-rate and format sensing inputs
- Mode control via Web interface or DIP switches
- Bi-color status indicators
- Universal +12V wall adapter
- Conduction cooled
- In-field upgradability

## What makes us different?

### Technical Advantages

- Xilinx® FPGA-based solution for feature enhancement, Standards flexibility, and long product lifecycle
- 8Gbits of onboard memory for format conversions, compression, and image processing
- Bi-directional 12G-SDI ports enabling a multitude of programmable applications
- Independent Source and Sink HDMI4K ports support both image and supervisory functions
- Ethernet enabled for easy integration into your network
- Conduction cooled for quiet and reliable operation. Convection support available.

### Business advantages

- Three (3) flexible engagement models: Product Sale, White-box, IP licensing
- Feature, form-factor, and brand customization available
- Manufacturing options based upon requirements and volume, enabling price points to meet your needs
- Developed and supported by Fidus Systems’ world class engineering team

## Ordering Information

Part Number : Tigerfish/Stingray

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Rear

## Connectors and I/O

- 5 x 75ohm BNC connectors
- 2 x Full-size HDMI connectors
- 1 x DC barrel power jack, threaded
- 1 x RJ45 with Link/Activity LEDs
- 1x 4 position DIP switch
- Factory reset switch

## Power Specifications

- Universal Wall Adapter, 90-264VAC, 47-63Hz
- +12VDC @ 2.0A; center positive

## Environment

- Operating/Storage Temp: 0 to 40°C/-20°C to +45°C
- Humidity: 10% to 90% non-condensing
- Power Consumption: 15W\*
- RoHS Compliant / CE Certified (targets)
- Rack mountable

\* varies with function, 15W represents a fully functional test load

## Dimensions

- Dimensions: 144 x 170 x 44mm

## Package Contains

- Tigerfish or Stingray Unit
- +12VDC Universal Power Supply
- Quick Start guide

## Warranty

- Limited

## Current Feature Set

- 12G-SDI to Quad 3G-SDI (2SI) Level A & B
- 12G-SDI to Quad 3G-SDI (Square Division) Level A & B
- Quad 3G-SDI (2SI) to 12G-SDI
- Quad 3G-SDI (Square Division) to 12G-SDI
- HDMI4K to 12G-SDI
- 12G-SDI to HDMI4K

## Other Applications

Full programmability enables support for

- Dual 6G-SDI to 12G-SDI
- 12G-SDI to dual 6G-SDI
- 4K over 3G-SDI
- HDMI4K over Quad 3G-SDI
- 1:4 12G-SDI Distribution Amplifier
- 1:4 3G-SDI Distribution Amplifier
- Multiviewer
- Various compression solutions (e.g. TICO®)

## Standards

- SMPTE 259M, 292M, 296M, 373M, 424M, 425-1, 425-5, 2036-1, 2082-1, 2082-10
- Relevant HDMI® standards

## Branding and Customization

- Custom painting and artwork available
- Custom functionality also available

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