

# NEW! GlobeCaster HD I/O

Add the economical HD-SDI\* option to your new or existing GlobeCaster System

- NTSC/PAL
- Modular design for multiple inputs and outputs (2, 4, 6 or 8 HD inputs) (1 or 2 HD Channels with 2 or 4 outputs) (other HD input/output configurations available, contact GlobalStreams for information and pricing)
- Configurable for 16:9 and 4:3 monitors
- Multi-Standard HD-SDI or SDI
- 10-bit Broadcast Quality HD (all HD Formats are supported, including 24p/psf w/ 3.2 pull down)
- HD Output video is selectable, between 720p and 1080i formats
- Using motion-adaptive de-interlacing and high quality digital scalers, the Globecaster HD provides excellent Broadcast quality HD video from SD sources

## Recommendations for best signal quality

- One GlobeCaster Mainframe Serial D1input card per HD Input
- One GlobeCaster Mainframe Slave Serial D1output card per HD Output

\* Does not support embedded audio

### Size

- 19" x 1.75" x 15.75" (1RU)

### Capacity

- 4 Slots, 1 Rack Unit

### Inputs

- RJ 45 Communications Port/Power Supply Monitoring

### Power

- Up to 40 Watt Capacity
- Universal Input 90-240 VAC power Supply
- Optional Redundant Power Supply

### Cooling

- Multiple-Fan Forced Air



GlobeCaster HD I/O

## SPECIFICATIONS

### INPUT CARDS

#### Formats

- HD: 1080i 50/59.95/60
- 1080p/psf 23.98/24/25/29.97/30Hz
- 720p 23.98/24/25/29.97/30/50/60Hz

#### Inputs (up to 8 HD sources in, 2 inputs per card)

- HD-SDI or SDI SMPTE 259/292/296, 10-bit, BNC

#### Outputs

- Each channel has two outputs configurable for either SDI (SMPTE 259M, 10-bit) or analog composite NTSC/PAL, 2 x BNC
- Channel 1 has one re-clocked loop-through output, 1 BNC
- Channel 2 has one re-clocked loop-through output, 1 BNC

#### Down Conversion

- Multi-point Interpolation, 10-bit processing
- 3.2 Conversion for 23.98/24p/psf inputs

#### User Controls

- External Dipswitch
- Output video format
- 4:3/16:9 monitor select
- Letterbox/crop
- Pedestal (output)
- 4:3 safe-zone graticule

### OUTPUT CARDS

#### Output Formats (up to 2 channels, 4 HD-SDI out)

- 1080i 50/59.94, 720p 59.94 Hz, (50Hz output requires 50Hz input)

#### Input Format

525/59.94, 625/50, SMPTE 258M

#### Upconversion

- Motion Adaptive, Multi-point interpolation, 10-bit processing

#### Inputs

- SDI, BNC

#### Reference

- 2 x BNC, looping

#### Outputs

- Input Loop 2 x BNC, Equalized
- HD-SDI, 4 x BNC

#### User Controls

- Mode: Upconvert, Frame Synchronizer, Output Format, Aspect Ratio Convert Select, and Output Timing

For more information, please contact us  
(800) 788-7205 | [sales@globalstreams.com](mailto:sales@globalstreams.com)

# GlobeCaster HD I/O FAQ

**What is it?** GlobeCaster HDIO is a stand-alone device that Up/Down converts HD/SD-SDI signals, allowing users to bring signals from cameras and other HD-SDI devices into Globecaster for mixing, without disrupting the signal flow to other devices..(routers, servers). It is 1 rack unit in size, has redundant power, and is modular so it can support anywhere from 2 to 8 inputs.

**Why would I need an HD-I/O?** If you need to feed HD-SDI signals into and out of the GlobeCaster.

**How Can I bring in a HD-SDI Video Signal into GlobeCaster?** The HD I/O Globecaster option is capable of bringing in anywhere from 2 to 8 HD-SDI signals. It is recommended that your GlobeCaster have SDI inputs in it to receive the signal, but will work with Composite. For

every HD/SD-SDI input, there are re-clocked thru puts as well as the up/down converted output.

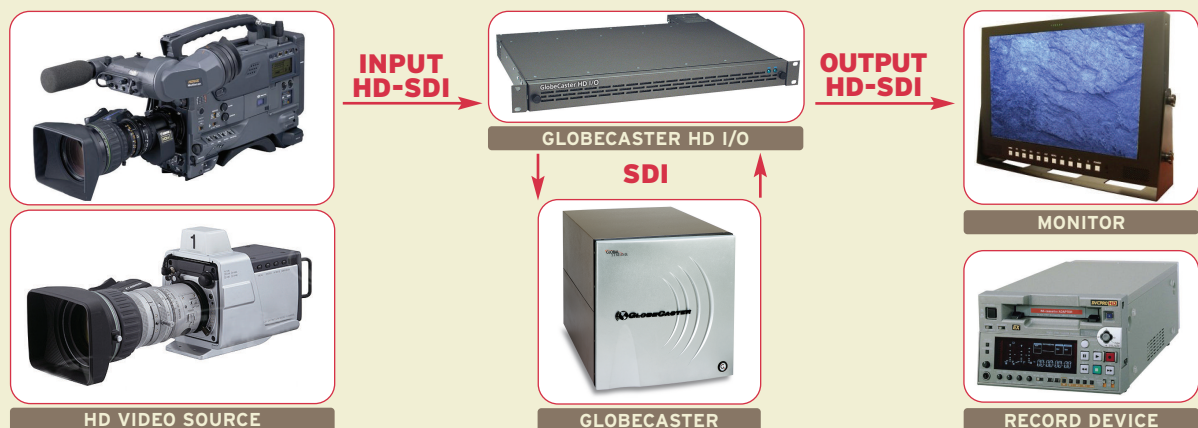
**Can I use Globecaster upstream from an HD Switcher for Graphics?** Yes, using Key and fill is possible with 2 SDI outputs in your GlobeCaster and the HDIO.

**Does GlobeCaster support embedded Audio?** No, but with the use of a De-Embedder/ Embedder it can be accomplished.

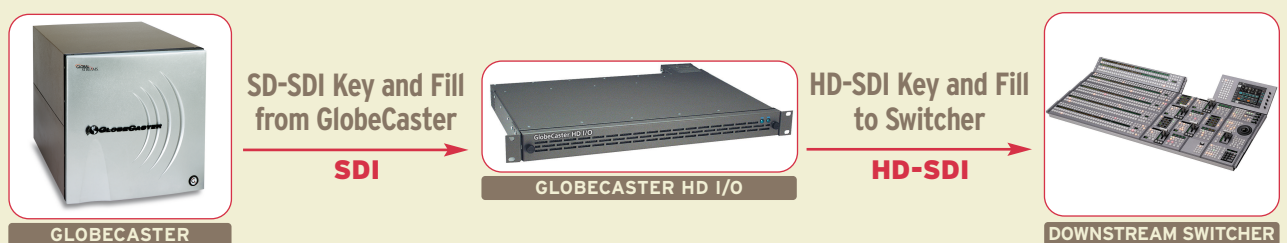
**Is Globecaster HD-I/O available now?** Yes, contact Globalstreams for more information.

**Is it a card or an external box?** HDIO is an external, rack mountable device.

## GlobeCaster HD I/O Primary Configuration



## GlobeCaster used as upstream Keyer



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