7 YEAR WARRANTY

GENLOCK PCI CARDS
FOR CHARACTER GENERATION AND
MULTICHANNEL INPUT CARDS

ABOUT US

The first card, designed by «Stream Labs» was produced in 1992. It was implemented for ISA interface with external VGA controller. Since then, the company has been designing and manufacturing various multi-channel cards for input (capture) and output, utilized in TV broadcasting and surveillance.

At present time «Stream Labs» is an international company with offices in a few countries and sells it's hardware worldwide; its circuit boards are integrated with software of well-known companies such as Elecard, DVBControl, Medialooks, Monarh, SkyLark, Rushworks, Vmix and others.

«Stream Labs» uses in production only brand name chips, mainly from Analog Devices, Phillips, Altera, Gennum and others. Manufacturing and assembly of components is carried out at the plant, using hi-tech equipment and in compliance with all technological standards, what prevents cards from interleaving, disconnect in technological holes, overheat, etc. Lead is not being used, therefore CE and FCC certify circuit boards. All these factors contribute in issuance of 7-years warranty for all cards.

SDK and utilities supplement «Stream Labs'» cards what allows developers integrating them with their proprietary software; and for utilizing them in applications for visualization of incoming video/audio streams or one-time playback of SDI video file.

FOR ALL CARDS
AVAILABLE FREE
SDK | TOOLS | DRIVERS

- Windows 7,8,10,Server 2008/12 (32 and 64 bit)
- Stream Labs API
- Direct Show Filter
- Examples for integration in SW and Tools for HW tests
- Medialooks SDK
- For some of our cards we provide:
- Linux: CentOS 6.6 and 7, Ubuntu 12 and later.
- Support V4L2 and ALSA
- Free Sources for C programming language

Windows **medialooks**

Linux

MH4LM

Quad Capture Card In multiple inputs HD and SD SDI, Analog, ASI.
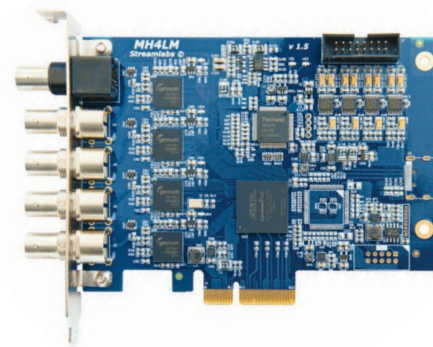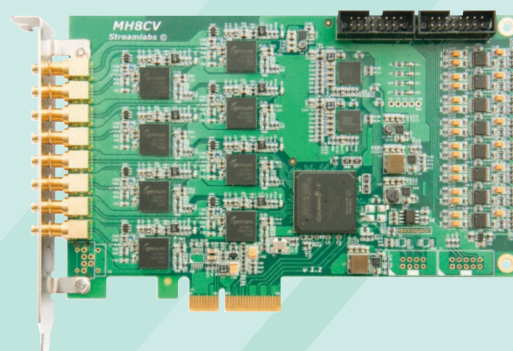
FEATURES

- Four independent capture channels
- Each channel switchable to HD/SD SDI, Analog, ASI
- LTC Input
- 4-x line PCIe interface
- Multiple cards can be placed in a single system
- Traditional BNC connectors
- Hardware Scaling for MH4LM-30
- VANC (SMPTE-334M) for MH4LM-22

DESCRIPTION

Developed for capturing mixed multiply signals: HD/SD-SDI, Analog, ASI video signals at the same time, the MH4LM is the perfect solution for professional broadcast market.
This card can be used as a basis for creating Multichannel Studio Recorders and Slow Motion replay systems, MultiViewers and Recorders, Rear-projection systems and Multi-Camera virtual studios, and etc.

MH8

8-ports Capture Card In multiple inputs HD and SD SDI, Analog.
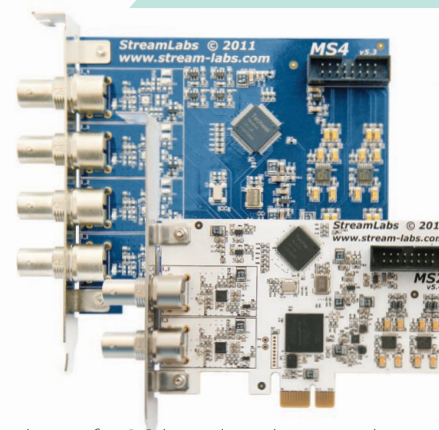
FEATURES

- 8 fully compatible inputs+ LTC Input on one board!
- Support of all popular formats on a single board.
- Fully flexible port configuration. Operation in ASI or SDI or Composite mode can be selected under software control.
- Automatic switching standards 3G/HD/SD-SDI.
- Analog audio: RCA L+R pairs for Unbalanced Analog Audio and/or XLR pairs for Balanced Analog Audio.
- Cable equalisation and automatic ASI inversion
- Hardware counters for bitrate measurement and statistics
- PCI Express Gen2 x4
- Compact size and low energy consumption
- Affordable price

DESCRIPTION

This card can be used as a basis for creating multichannel studio recording and slow motion replay systems, monitoring and TV broadcast recording systems (loggers), multichannel visual TV broadcast monitoring systems (multiviewers), rear-projection systems and multi-camera virtual studios, etc.

MS4/2

4/2-ports Capture Card In multiple inputs SD-SDI, ASI, Analog.

FEATURES

- 2 (4) BNC ports with individual status LEDs
- Fully flexible port configuration. Operation in ASI or SDI or Composite mode can be selected under software control
- 4 (2) linear or balanced stereo inputs
- Cable equalisation and automatic ASI inversion
- Hardware counters for bitrate measurement and statistics
- SDI, full stream SMPTE 259M 270Mbit/s 8 or 10bit
- DVB-ASI (coax) EN50083-9 0 .. 214Mbit/s
- PCI Express x1
- Compact size (Stream MS2-ASI - Low profile) ideal for 1U, 2U systems
- Affordable price

DESCRIPTION

Universal ASI/SDI input adapter for PC-based applications that record and/or process DVB-ASI, SD-SDI or Composite.
This cards can be used as a basis for creating multichannel studio recording and slow motion replay systems, monitoring and TV broadcast recording systems (loggers), multichannel visual TV broadcast monitoring systems (multiviewers), rear-projection systems and multi-camera virtual studios, etc.
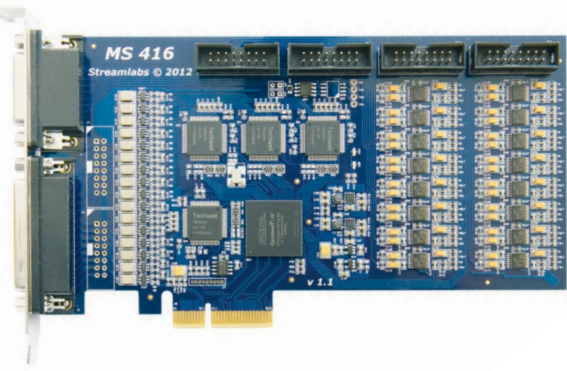
MS416

16-ports Capture Card for Analog format.

FEATURES

- 16 independent capture channels
- BNC connectors for Video inputs
- RCA connectors for Audio inputs
- 4-x line PCIe interface
- Multiple cards can be placed in a single system
- Stereo Audio Support
- Iproved audio quality
- Independent audio capture

DESCRIPTION

Developed for capturing up to 16 Analog video and stereo audio signals at the same time, the MS416 is the perfect solution for professional broadcast market.
This card can be used as a basis for creating Multichannel Video Encoder, Studio Recorders , MultiViewers, and etc.

ALPHA HD

Playback and Capture card

FEATURES

- 1 SDI Input, 1 SDI Fill output, 1 SDI Key output, HDMI output
- Works with 8 and 10-bit component serial 3G-SDI signal, HD-SDI, SD-SDI in accordance with ITU-R.601, SMPTE 424m, SMPTE 292m, SMPTE 274m, SMPTE 259m and DVB-ASI standards;
- Automatic activation of video signal relay bypass mode upon computer power loss;
- Synchronization from input SDI/HD/3G-SDI signal or analog Black burst/tri-level signal. When external synchronization is lacking internal synchronizing generator is applied;
- Digital key signal (alpha-channel) output for use with external mixer that has a DSK (Down Stream Key) input. Key signal delay relative to output graphics has a software controlled wide adjustments range;
- 16-channels SDI/HD/3G-SDI embedded audio input/output.
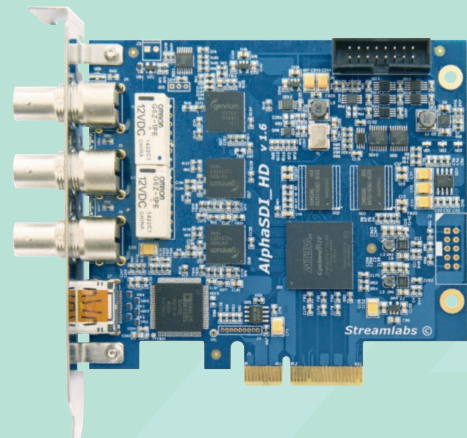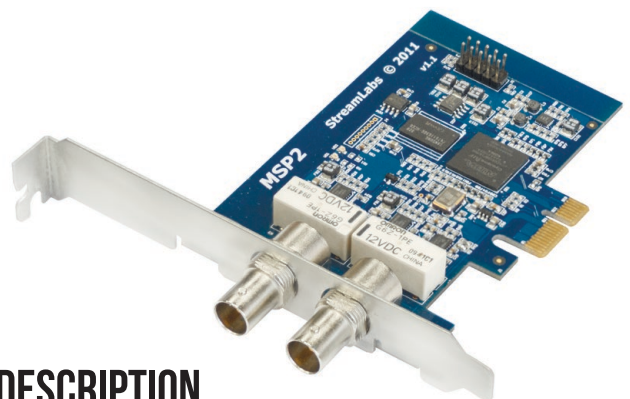
DESCRIPTION

Stream Alpha HD is a PCI-Express card for overlay and output of computer graphics. It can be used as a basis for creation of on-air graphic design systems (CG-systems) and broadcasting video servers.

MSP2

Playback and Capture card

FEATURES

- Two independent ASI/SDI ports: Input + Output or Dual Output (software-selectable)
- Each port can carry either DVB-ASI up to 216Mbps or full-frame 10-bit SDI
- Adaptive cable equalisation and inverted ASI
- Low-Profile PCI Express x1 card; Shipped with both low- and standard-profile brackets
- Watchdog-controlled input-to-output relais for redundant configurations
- Flexible receive modes with time-stamping, packet sequence counting
- SDI lossless Huffman encoding / decoding
- Bit-rate measurement and statistics

DESCRIPTION

Universal ASI/SDI input/output adapter for PC-based applications that record, play and/or process MPEG-2 \H.264 transport stream.
It can be used as a basis for creation of on-air graphic design systems (CG-systems) and broadcasting video servers.

UNBALANCED EXTENSION AUDIO
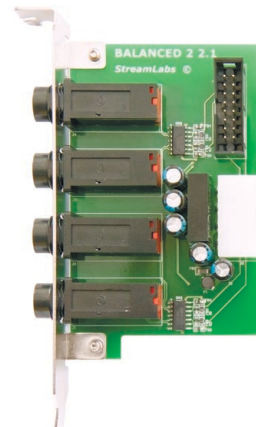
BALANCED EXTENSION AUDIO

«The balanced connection to MH4LM via new Stream Labs balanced card is great because it supports long runs without RF or other interference that's typical in an unbalanced feed.»
Rushworks.tv
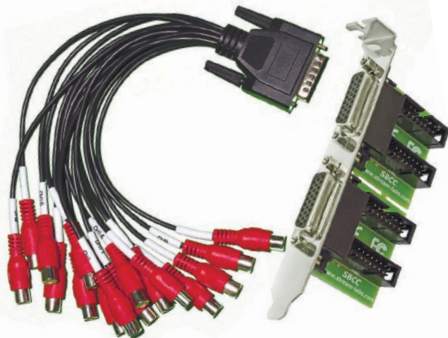
- Two independent sound processing stereo channels
- Ability for connection 2 Audio cards for one MH4LM video card
- Studio true +4dBu line level balanced stereo input & output
- XLR and/or TRS connectors available upon request
- Consumer -10 dBv unbalanced stereo input & output
- Jack 3,5 mm and/or RCA connectors available upon request
- Top quality special analog audio ICs
- Balanced channel input and output impedance - 600 Ohm
- Unbalanced channel input impedance - 12 kOhm, output impedance - 10 Ohm
- Optimized low noise power supplies and decoupling filters in analog part

Characteristics	MH4LM	MH8	Alpha HD	MSP2	MS4\2	MS416
Number of channels for video	4	8	1	1	4\2	16
Number of channels for video playback	-	-	1 Fill + 1 Key	1 Fill + 1 Key, 1 Fill + 1 Fill	-	-
Connector for video input	BNC 75 ом (ASI/SDI/analog)	DIN 1.0/2.3	BNC 75-ом (SDI)	BNC I 75 ом (SD)	BNC 75 ом (ASI/SDI/analog)	BNC 75 ом (analog)
Connector for LTC input	BNC	BNC	-	-	-	-
Input 3G-SDI: 1080p50, 1080p60, 1080p50.94	+	+	+	-	-	-
Input HD-SDI: 720p50, 720p59.94, 720p60, 1080p23.98, 1080p24, 1080p25, 1080p29.97, 1080p30, 1080i50, 1080i59.94, 1080i60, 1080i50, 1080i59.94, 1080i60	+	+	+	-	-	-
Input SD-SDI: 625/25 PAL, 525/29.97 NTSC, 525/23.98 NTSC	+	+	+	+	+	-
Input for analog: NTSC(M/4.43) /PAL(B/D/G/H/I/K/L/M/N/60)/SECAM	+	+	-	-	Optional	+
Sampling format	YUV 4:2:2	YUV 4:2:2	YUV 4:2:2, RGB 4:4:4 + alpha-channel	YUV 4:2:2, RGB 4:4:4 + alpha-channel	YUV 4:2:2	YUV 4:2:2
Color depth, bit	8	8/10	8	8	8	8
Concurrent number of channels	4 HD/SD-SDI/analog, 2 3G-SDI	8 HD/SD-SDI/analog,55 3G-SDI	2	2	4/2	16
Auto recognition and switch over 3G/HD/SD-SDI	-	+	-	-	-	-
Digital SDI audio with embedded sound (16 channels per input)	+	+	+	+	+	-
Connectors for unbalanced analog audio (via expansion card and cables)	4 RCA L + R	8 RCA L+R	-	-	4 RCA L+R (optional)	16 RCA L+R
Optional: connectors for balanced analog audio (via expansion card SBCC and cables)	4 XLR пар	8 XLR пар	-	-	4 XLR pairs	16 XLR pairs
Capture of 24 bit/48 KHz analog audio	+	+	+	-	+	+
Programmatically switchable standards for each input	+	+	+	+	+	+
ASI: DVB-ASI (coax cable) EN50083-9, Rx 0…214 Mbit/sec, cable cancellation and auto inversion ASI	+	+	+	+	+	-
SDI: SMPTE 259M, SMPTE 292M, SMPTE 372M, ITU-R BT.656 and ITU-R BT.601.	+	+	+	+	+	-
Hardware scaling	Optional	-	-	-	+	+
PCI-interface	PCIe Gen1 ×4	PCIe Gen2 ×4	PCIe Gen1 ×4	PCIe Gen1 ×1	PCIe Gen1 ×1	PCIe Gen1 ×4
Max consumed power, Watts	5	5	5	5	5	5
Firmware update via PCI Express	+	+	+	+	+	+
Dimensions, mm	132×86	166×97	109×86	92×56	106×86, 106x56	180×87
Capture and output of teletext packets via VBI (VANC)	Capture	-	Capture/output	-	-	Capture