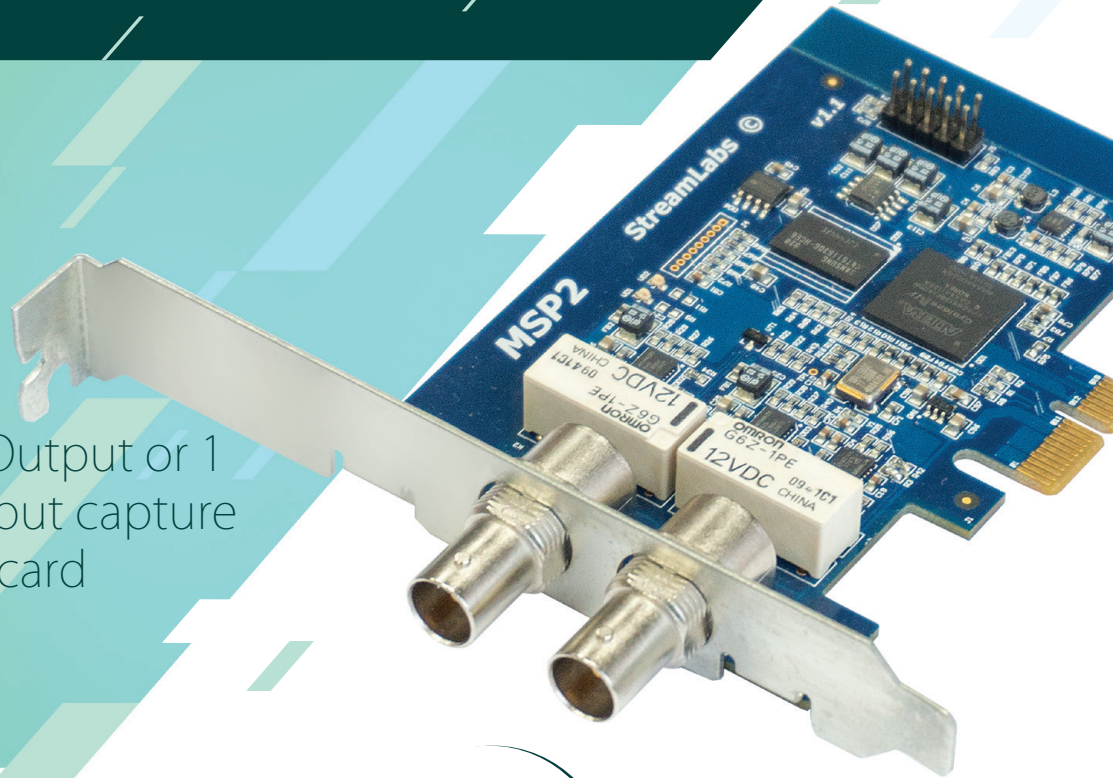




MSP2

Dual ASI/SDI Output or 1
Input + 1 Output capture
and playback card



DESCRIPTION

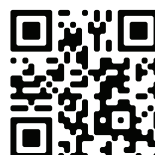
Universal ASI/SDI input/output adapter for PC-based applications that record, play and/or process MPEG-2/H.264 transport stream. It can be used as a basis for creation of on-air graphic design systems (CG-systems) and broadcasting video servers.

FEATURES

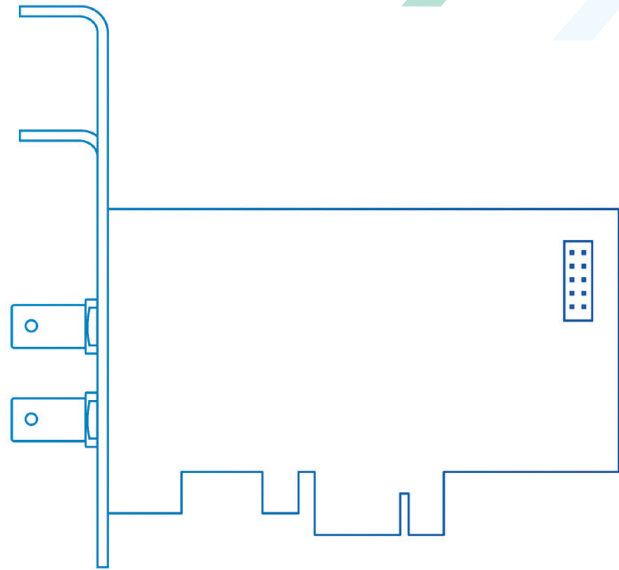
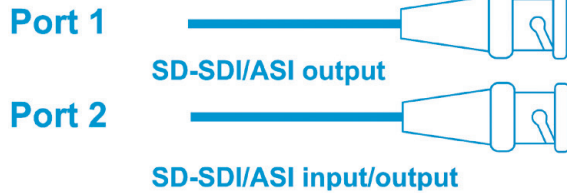
- Two independent ASI/SDI ports: Input + Output or Dual Output (software-selectable)
- Each port can carry either DVB-ASI up to 216Mbps or full-frame 10-bit SDI
- Adaptive cable equalisation and inverted ASI
- Low-Profile PCI Express x1 card; Shipped with both low- and standard-profile brackets
- Watchdog-controlled input-to-output relays for redundant configurations
- Flexible receive modes with time-stamping, packet sequence counting
- SDI lossless Huffman encoding / decoding
- Bit-rate measurement and statistics
- 32/64-bit device driver for Windows, DirectShow filters, SDK

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
- Support V4L2 and ALSA
- Free Sources for C programming language
- Medialooks SDK



CONNECTION DIAGRAM



SPECIFICATIONS

Video Input Connector Type	75-Ohm BNC
Number of Inputs	1
Video Input Formats	SD-SDI, DVB-ASI
SD-standards	625/25 PAL, 525/29.97 NTSC
Video Output Connector Type	75-Ohm BNC
Number of SDI Outputs	2
Switchable SDI/ASI Outputs	1 Input and 1 Output or 2 Outputs
Video Output Formats	SD-SDI, DVB-ASI
SD-standards	625/25 PAL, 525/29.97 NTSC
SDI Sample Format	YUV 4:2:2, RGB 4:4:4 + Alpha-channel
Color Depth	8 – bit
Digital Audio Input	SDI Embedded Audio(16 mono channels)
Digital Audio Output	SDI Embedded Audio(16 mono channels)
Audio Capture	24 bit/48KHz
Program switching standards	DVB-ASI/SD-SDI for Input and Output
Internal processing	Converting RGB video to YUV Internal Alpha-channel Overlay Transcoding Alpha-channel using Alpha LUT
Synchronization	Without input signal in self-generation mode - «Freerun» Synch from SDI input signal

Bypass Relays in case of power failure	SD-SDI with embedded audio or DVB-ASI
Bypass Option	Ability to enable Bypass in WatchDog Timer in case of software application or PC hangs
SDI Specification	SMPTE 259M, ITU-R BT.656 and ITU-R BT.601.
ASI Specification	DVB-ASI (coax) EN50083-9; Rx bitrate 0- 214Mbit/s
PCI interface	PCIe x1
Power consumption	5W
Firmware Update	via PCI Express
Firmware Options	1 ASI/SD-SDI input and 1 ASI/SD-SDI output 2 ASI/SD-SDI outputs
Profile type	Low-profile or Standart PCI profile
Size	92x56