

VisionSC SDI4

4x SDI Capture Card up to HD



Four-channel SDI capture card optimized for video wall applications. It captures HD video from multiple SDI feeds simultaneously, supporting seamless integration of broadcast and professional AV sources into large-scale display systems.

VisionSC SDI4 is a high-performance SDI capture card designed for professional AV workflows requiring multi-channel HD video acquisition. Developed to capture multiple 3G-SDI signals simultaneously, it provides four independent inputs—each capable of capturing 1920×1080p at 60 frames per second with exceptional clarity and precision.

Each channel is hardware timestamped, enabling accurate synchronization across inputs and supporting advanced workflows such as large-surface capture and video stitching. Ideal for broadcast environments and SDI-enabled applications, VisionSC SDI4 delivers reliable, real-time performance for mission-critical deployments.

Built for integration and scalability, VisionSC SDI4 offers a robust solution for multi-source SDI capture, combining high bandwidth throughput with dependable operation across demanding AV infrastructures.

Features & Benefits

- Simultaneous capture of up to four HD SDI inputs at 1920×1080
- High-performance video acquisition for professional AV workflows
- Part of the VisionSC family for consistent reliability and integration
- Supports 60 frames per second for ultra-smooth playback and responsiveness
- Ideal for live production, control rooms, and high-resolution content creation
- Seamless integration into multi-channel systems

Technical Specification

Video Inputs

Interfaces

- 4x SDI interfaces (BNC)
- Supported standards: 3G/HD/SD-SDI (SMPTE 259, SMPTE 272, SMPTE 274, SMPTE 291, SMPTE 292, SMPTE 293, SMPTE 296, SMPTE 299, SMPTE 352, SMPTE 424, SMPTE 425, SMPTE 2048)

Resolutions/Frame Rates

- 1920x1080p @60, 59.94, 50, 30, 29.97, 25, 24, 23.98Hz (HD)
- 1920x1080i @60, 59.94, 50Hz
- 1280x720p @60, 59.94, 50, 30, 29.97, 25Hz
- 720x480/576i @60, 59.94, 50Hz (SD)

Environmental/Regulation

- Operating Temperature: 0° to 35°C / 32° to 96°F
- Relative Humidity: 5% to 90% (non-condensing)
- EMC Standards: FCC part 15/ICES-003 Class A & CE
- Power: 18W max, typical 18W
- MTBF: 11.4 years
- Not controlled under ITAR
- TAA-compliant

Physical

- Dimensions: 4.33" (H) x 0.71" (W) x 6.97" (D), 110 mm (H) x 18 mm (W) x 177 mm (D)
- Weight: 0.7lbs (0.3kg)

Ordering information

- 19414 - VisionSC SDI4 - Capture Card - SDI - 4x HD

Input Cards

	VisionSC UHD2	VisionSC DP2	VisionSC SDI4	VisionSC HD4+	Active SQX2
Inputs	2x HDMI	2x DisplayPort	4x SDI	4x HDMI	2x 1Gb Ethernet
Max. Resolution	4Kp60 (4:4:4)	4Kp60	HDp60	4Kp60 (2x) (4:2:0) or HDp60 (4x)	4Kp60 (1x) or HDp60 (6x)
Usage Category	HDMI Capture	DisplayPort Capture	SDI Capture	HDMI Capture	IP Stream Capture