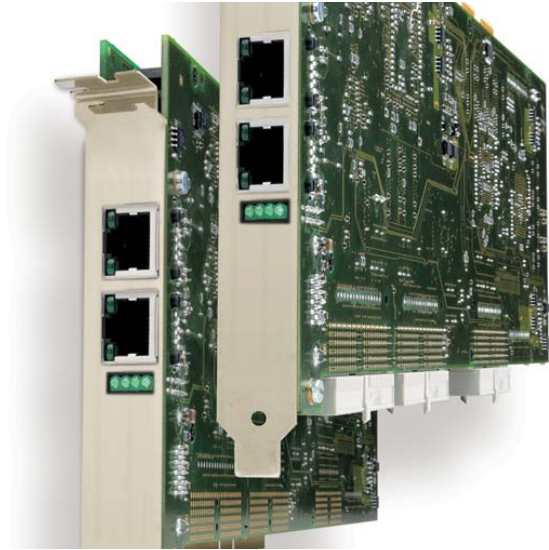


SVC-2

2nd generation streaming video card



Barco's second-generation integrated streaming video card (SVC-2) offers unmatched performance for the simultaneous processing of large amounts of streaming video signals in real-time with minimal latency. SVC-2 can decode 4 simultaneous 4CIF MPEG-4 Part 10 (H.264, AVC) streams per card. Through its innovative 4-DSP architecture (one DSP per stream), SVC-2 offers high reliability. As each DSP decodes a single stream, corrupt streams do not influence the decoding of other streams.

Increased flexibility

SVC-2 offers enhanced flexibility as it allows graceful technological migration. SVC-2 unifies different video-over-IP networks by supporting multiple compression algorithms. The second-generation universal decoder supports ISO 144496-2 and ISO 144496-10 MPEG-4, ITU-T H.263, ISO 11172 MPEG-2, ISO 10918 MJPEG and specific wavelet streams. With SVC-2 even non-standard compression techniques and stream transport can be ported to the decoder platform. Additionally, Barco ensures interoperability after a period of testing with full co-operation from the selected manufacturers. Please see the specifications section overleaf for an updated interoperability list. Support for MJPEG and specific encoders will be added via firmware updates.

Available on all hardware platforms

Barco's integrated streaming video solutions, centered on the universal decoder card, can be used within the modular chassis architecture of Barco's family of controllers alongside other interface cards (i.e. composite analog, RGB, DVI, SDI, HD-SDI). This allows for simultaneous deployment of multiple video technologies and protects the investment on the display walls by providing an easy migration from analog or hybrid video systems to a completely digital solution.

Interoperability*

- ACTi MPEG-4
- AXIS MPEG-4, MJPEG
- Ateme MPEG-4
- Barco TransForm SCN
- BOSCH MPEG-2|4
- Cieffe MPEG-4

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Technical specifications

General specifications	<ul style="list-style-type: none"> • Ethernet Dual RJ-45 10/100/1000 Base-T (for redundancy) Autosensing, Half/Full Duplex • Protocols supported TCP, UDP, IP, IGMP, RTP/RTCP, RTSP • Maximum capacity 4 channels simultaneously per card • Addressing One (user definable) IP address • Channel Differentiation by address, port and PID
MPEG-2 compression specifications	<ul style="list-style-type: none"> • Standard ISO 13818, DVB (ETR154, SPTS) • Profile MP@ML (4:2:0) • Resolution range QCIF, CIF, Full D1 • Multiplexing Elementary streams, program streams, transport streams • GOP structures Completely flexible user defined (based on encoder flexibility) • Decoding delay 220 ms typical on TransForm A • Frame rate PAL (25 fps) or NTSC (30 fps)
MPEG-4 and H.263 compression specifications	<ul style="list-style-type: none"> • Standards ISO 14496-2, ISO 14496-10 (H.264, AVC), ITU-T H.263 • Profiles ISO 14496-2 Simple Profile and Advanced Simple Profile, ISO 14496-10 Main Profile • Capacity 4 channels per card • Resolution range QCIF to 4CIF • Decoding delay 220 ms typical on TransForm A • Frame rate 1 to 30 frames per second
MJPEG compression specifications	Capable of decoding standard ISO 10918 JPEG frames, interoperability with MJPEG must be established per manufacturer as there is no standard definition for the inter JPEG frame multiplexing
Audio metering	<ul style="list-style-type: none"> • Audio standard ISO/IEC 11172-3: MPEG-1 Layer 2 • Audio alarms Audio loss, audio overlevel, audio antiphase, audio lock
Environmental and regulatory approvals	<ul style="list-style-type: none"> • Operational temperature range -10° to 50°C • EMI approvals EN55022 or CISPR 22