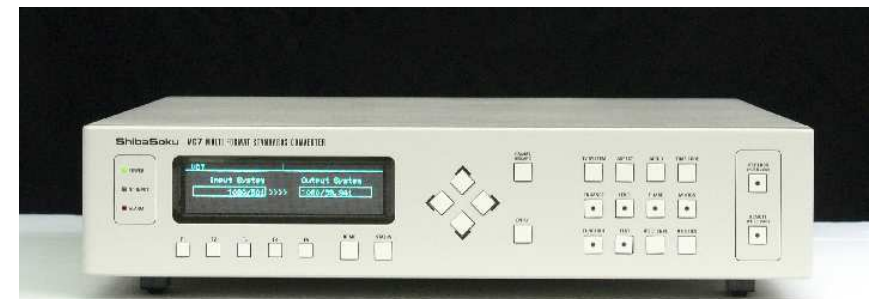


Input	HD-SDI/SDI, 1 BNC active through, 75 Ω
Output	HD-SDI/SDI, 2 BNC, 75 Ω
	2 Confirms with SMPTE 292M, SMPTE 259M
External Reference Sync	BB (Black Burst) sync level 286mVp-p ± 6 dB 75 Ω
synchronized with output signal	HDTV Tri-level sync ±300 mVp-p ± 6 dB 75 Ω
	BNC, Auto Termination, Loop Through Output
In-Out Delay	65 msec (Typ.)
VideoProcess	Level (Y/C), Setup level, Enhancer
Phase	Internal, External
AFD	Supports auto aspect changing
Aspect ratio	4:3, 13:9, 14:9, 15:9, 16:9 ※When converting up / down
Embedded Audio	24 bit, 48 kHz, 16ch Confirms with SMPTE 299M, SMPTE272M
AES/EBU Audio	24 bit, 48 kHz, 8 ch BNC 75 Ω
Dolby-E Audio	24 bit, 48 kHz, DE timing conversion supports
Audio Delay	-66ms~+350ms(1ms step) Individual channel
Superimpose Function	Character, Time code, Audio status
Time Code	ATC LTC, ATC VITC Input dependent/Local
Non input action	Freeze/Black
Remote Control	SNMP, HTTP (Web browser)
Test signals	Video: Color bar, Scroll Audio: 1kHz -20dB, Channel sequential Closed caption: CEA608, CEA708
Input watching	Video CRC, Audio CRC, Dolby-E DE Timing, Dolby-E Bit stream, Audio channel status, Timecode packet, Closed caption packet, 352M Payload
Motion compensation parameter	Motion detection, Motion compensation
Alarm	Signal, Fan, Power
Closed Caption	CEA608, CEA708
Options	VC7000001 : Dolby-E (Encode Decode Conversion) VC7000002 : Redundant power supply unit VC7000003 : Dual conversion unit VC7ASYS** : Additional option of a conversion system.
Power Supply	AC 90-240V, 50Hz/60Hz
Power consumption	150 VA, Redundant power supply
Operating environment	+5°C~+35°C/5%~90%RH (non-dewing) (Temperature/Humidity range in performance is guaranteed.)
Dimensions	426 (W) x 88 (H) x 520 (D) mm 2U (mountable 19 inch rack)



VC7

Multi-Format Video Frame Converter



- Integrated Motion Compensation Algorithms
- Supports SNMP and HTTP Internet Protocols
- Dolby-E Audio & Channel Mapping
- Corresponding to the audio channel mapping



<http://www.asaca.co.jp> E-mail: sales@asaca.co.jp

Contact Us International Sales Division
3-2-8, Asahigaoka, Hino-shi, Tokyo 191-0065 Japan

Tel: +81-42-583-1211 Fax: +81-42-586-9000

GENERAL DESCRIPTION

The VC7 is a multi-standard integrated converter. With motion compensation algorithms, fast changing images (like sporting events) appear crystal clear. Simultaneous frame rate and video resolution conversions are supported.

With an optional board installed, the VC7 will convert 3D signals (either Side-by-Side or L + R) and different dual signals separately to any of the formats.

Input audio channels may be remapped to any other channel location on the output.

The VC7 also supports Dolby-E with the optional board installed.

The time codes, user specified labels, and audio channel information may all be viewed on the output monitor.

FEATURES

◇ Motion Compensation

Motion compensation algorithms are used when the frame rate is changed and input video is converted smoothly.

No motion compensation

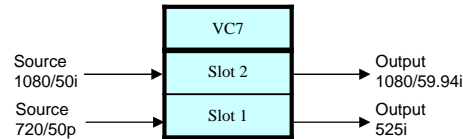


With motion compensation



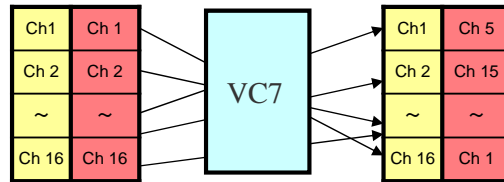
◇ Dual Conversion (Option)

With the optional board installed, two separate signals may be converted simultaneously with one VC7 unit.



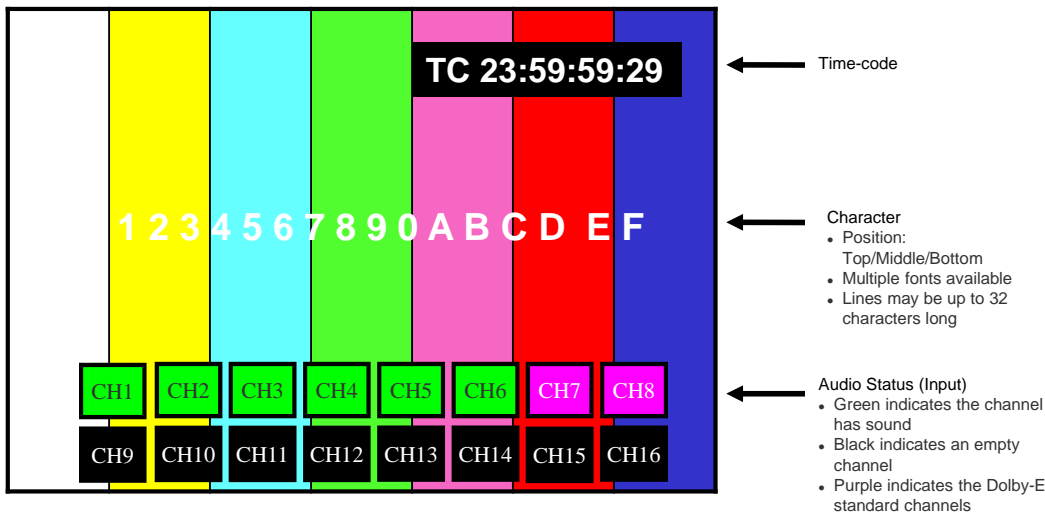
◇ Audio Channel Mapping

Any audio input channel may be mapped to any audio output channel.



◇ Time-code / User Labels / Audio Channel Information

- When the frame frequency is converted, time-codes are converted, newly added, or registered time-code is inserted. They are selectable.
- User Labels: Labels up to 32 characters may be assigned to specific regions.
- Audio Channel Information: The status of each audio channel can be displayed at any time.



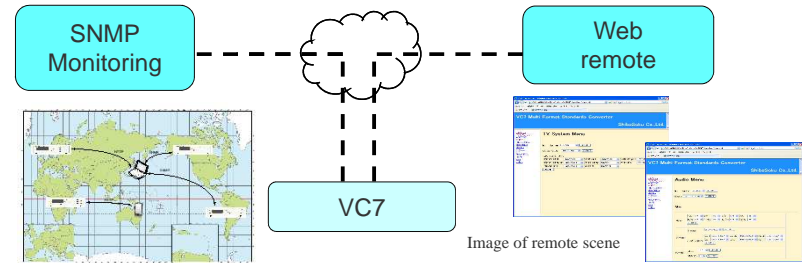
FEATURES

◇ Monitoring / Remote Control

The VC7 may be controlled or monitored remotely. Two protocols are supported:

SNMP – Allows monitoring and remote control

HTTP – Allows remote control



◇ Conversion Format Mapping

Input signal formats are automatically recognized and a pre-selected conversion type is automatically selected.

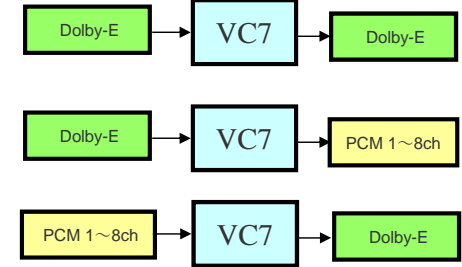
Example.

Mapping registration

Input	Output
1080i/50	1080i/59.94
720P/50	720P/59.94
625i/50	525i/59.94

◇ Dolby-E Audio

With the optional board installed, Dolby-E encode and decode is supported.



◇ AFD (Aspect Ratio)

AFD on the incoming signal is automatically determined, and the output aspect ratio may be modified to 4:3, 13:9, 14:9, 15:9, or 16:9.

◇ Closed Caption Standard Conversion

The VC7 can convert from / to the CEA608 and CEA708 standards.

◇ Scene Change

When a scene change occurs, the motion compensation algorithms are automatically disabled while the new scene begins.

Supporting Formats

Input \ Output	1080/59.94i	1080/50i	1080/29.97PsF	1080/25PsF	1080/24PsF	1080/23.98PsF	720/59.94p	720/50p	625i	525i
1080/59.94i	○	○	○	○	○	○	○	○	○	○
1080/50i	○	○	○	○	○	○	○	○	○	○
1080/29.97PsF	○	○	-	-	-	-	○	○	○	○
1080/25PsF	○	○	-	-	-	-	○	○	○	○
1080/24PsF	○	○	-	-	-	-	○	○	○	○
1080/23.98PsF	○	○	-	-	-	-	○	○	○	○
720/59.94p	○	○	-	-	-	-	○	○	○	○
720/50p	○	○	-	-	-	-	○	○	○	○
625i	○	○	○	○	○	○	○	○	○	○
525i	○	○	○	○	○	○	○	○	○	○

In the yellow frame is optional.