



VICO-2L-XS

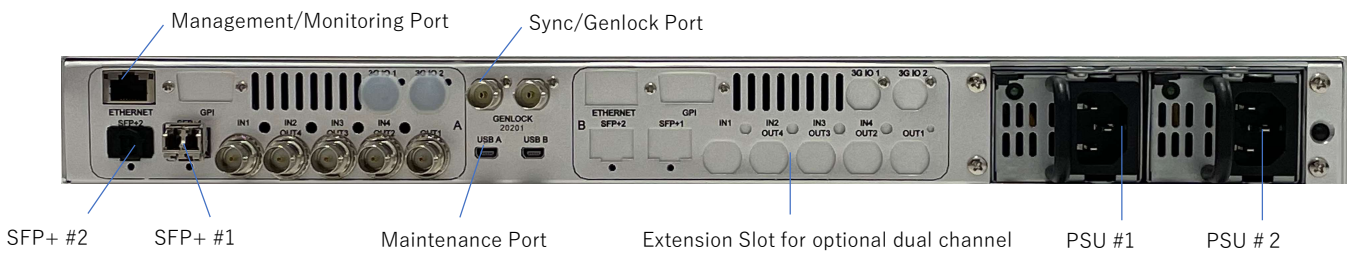
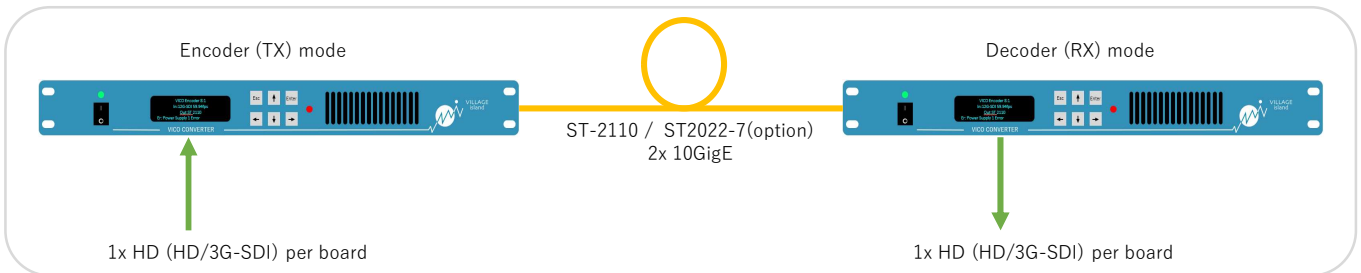
HD/3G-SDI ⇔ JPEG XS IP VIDEO CONVERTER



VICO-2L-XS is empowered with the JPEG-XS codec and enables visually-loss-less conversion of HD video signal into ST2110-22 JPEG-XS stream, with optional ST2022-7 redundancy for protection against data loss. The conversion is achieved with ultra-low delay. The chassis can host up to two HD channels within a single 1RU and is equipped with hot swappable redundant power supplies. Encoding and decoding modes can be configured individually per channel.

Features

- **Latency** From less than 1ms to 1 frame (<16.6ms), depending on user operation
- **Compression** 6:1 ~ 80:1 (14 selectable compression ratios)
- **Quality** Visually Loss-less
- **Compliance** SMPTE ST2110 / ST2022-7(option) / ST2059 / NMOS IS-04/05
- **Codec** JPEG-XS (ISO/IEC 21122:2019)
- **Size** 1RU rack mount
- **HD channels** 1x HD/3G-SDI per board, with maximum 2 boards per 1RU chassis
- **Audio channels** 16 audio channels per HD video



Specs

Resolution	HD (1920 x1080)	Alarm Out	OLED Display, SNMP trap, Web GUI logs
Frame rate	59.94i/50i/59.94p/50p	Control	Front panel, Web GUI, NMOS
Chroma / bits	4:2:2 / 10bit	Power Unit	Hot-swappable, optionally redundant
Video & Audio I/O	3G-SDI or HD-SDI	Power	AC100-240V, 30W
JPEG XS IP I/O	10GigE SFP+ (Port #1 and #2)	Sizes (W x D x H)	435 x 260 x 44.5 mm
Decoder Sync	PTP (ST-2059-1/-2), Ext. Genlock	Weight	5Kg
		Temp./Humidity	0°C~35°C / 20%~80% RH

* Specifications are subject to change. Contact us for latest updates.

* SFPs are not included.



Contact

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VICO-2L-XS

4K SDI / JPEG XS IP VIDEO CONVERTER

The VICO-2L-XS includes a free web GUI enabling a complete and user friendly interface for all settings and statuses. The web UI runs on standard http web browsers, without depending on third party libraries.

VICO Current Mode: XS Enc-Encap

SDI Input	Format: 3G-SDI 1080p59.94 Status: Input	JPEG-XS	Compression Ratio: 1:60
SFP 1	Link Status: ● ST2110: Video Flow:<232.101.0.10:5004>/Output Audio Flow:<232.101.1.10:5004>/Output ANC Flow:<232.101.2.10:5004>/Output	SFP 2	Link Status: ● ST2022-7: Video Flow:<232.102.0.10:5004>/Output Audio Flow:<232.102.1.10:5004>/Output ANC Flow:<232.102.2.10:5004>/Output
Genlock	Source: PTP ST2059 Status: Locked PTP Offset: -23ns <input type="text"/>	Monitor	Fan Status: OK Temperature Status: OK RTP Rate: <input type="text"/>

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The web GUI includes stream and PTP-clock monitoring views.

VICO Current Mode: XS Dec-Decap

SFP 1	Link Status: ● ST2110: Video Flow:<232.133.0.10:5004>/Input Audio Flow:<232.133.1.10:5004>/Input ANC Flow:<232.133.2.10:5004>/Input	SFP 2	Link Status: ● ST2022-7: Video Flow:<232.132.0.10:5004>/Input Audio Flow:<232.132.1.10:5004>/Input ANC Flow:<232.132.2.10:5004>/Input
JPEG-XS	Compression Ratio: AUTO JPEG-XS Ratio: 1:10,000 Video Bandwidth: 996Mbps	Genlock	Mode: FS Mode Source: PTP ST2059 Status: Locked PTP Offset: -11ns <input type="text"/>
Monitor	Fan Status: OK Temperature Status: OK RTP Rate: <input type="text"/>		

PTP Time Offset

[nsec]

300
200
100
0
-100
-200

11:49:27 11:50:08 11:51:48 11:52:29 11:54:10 11:55:21 11:56:01 11:57:42 11:58:02 12:00:03 12:01:13 12:02:24 12:03:34 12:04:45 12:05:55

SFP 1 Video RTP Rate

[packet]

100,000
80,000
60,000
40,000
20,000
0

SFP 1 Audio RTP Rate

8,000
6,000
4,000
2,000
0

SFP 1 ANC RTP Rate

400
300
200
100
0

SFP 2 Video RTP Rate

[packet]

100,000
80,000
60,000
40,000
20,000
0

SFP 2 Audio RTP Rate

8,000
6,000
4,000
2,000
0

SFP 2 ANC RTP Rate

400
300
200
100
0

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