



VICO-4L-XS

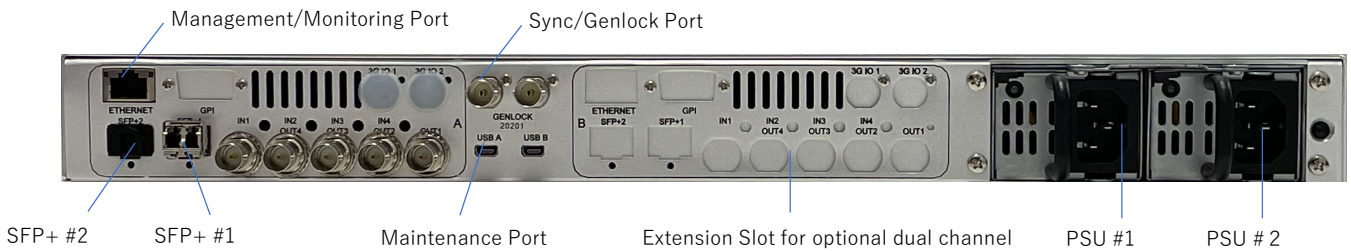
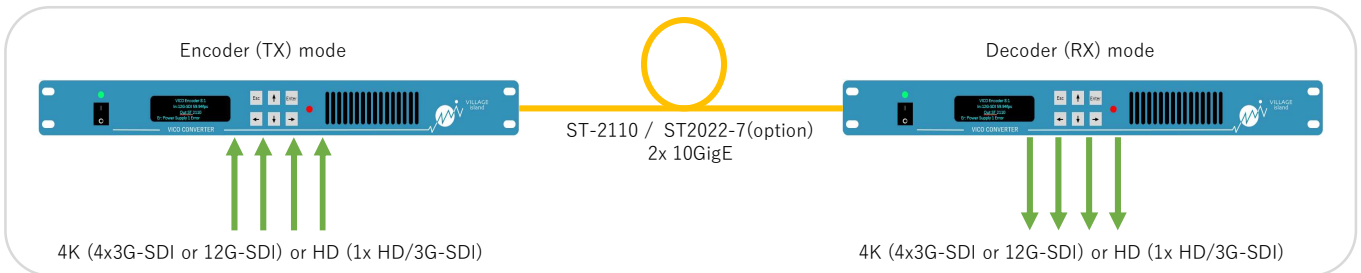
4K SDI / JPEG XS IP VIDEO CONVERTER



VICO-4L-XS is empowered with the visual lossless JPEG-XS codec and enables visually-loss-less conversion of 4K and 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 two 4K 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
- **4K channels** Maximum 2 (with extension slot)
- **Audio channels** 16 audio channels per 4K/HD video



Specs

4K Resolution, fps	4K: 3840 x 2160 HD: 1920 x 1080	Alarm Out	OLED Display, SNMP trap, Web GUI logs
Frame rate	4K: 59.94p/50p HD: 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	4K(2SI): 12G-SDI or 4x 3G-SDI HD: 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.

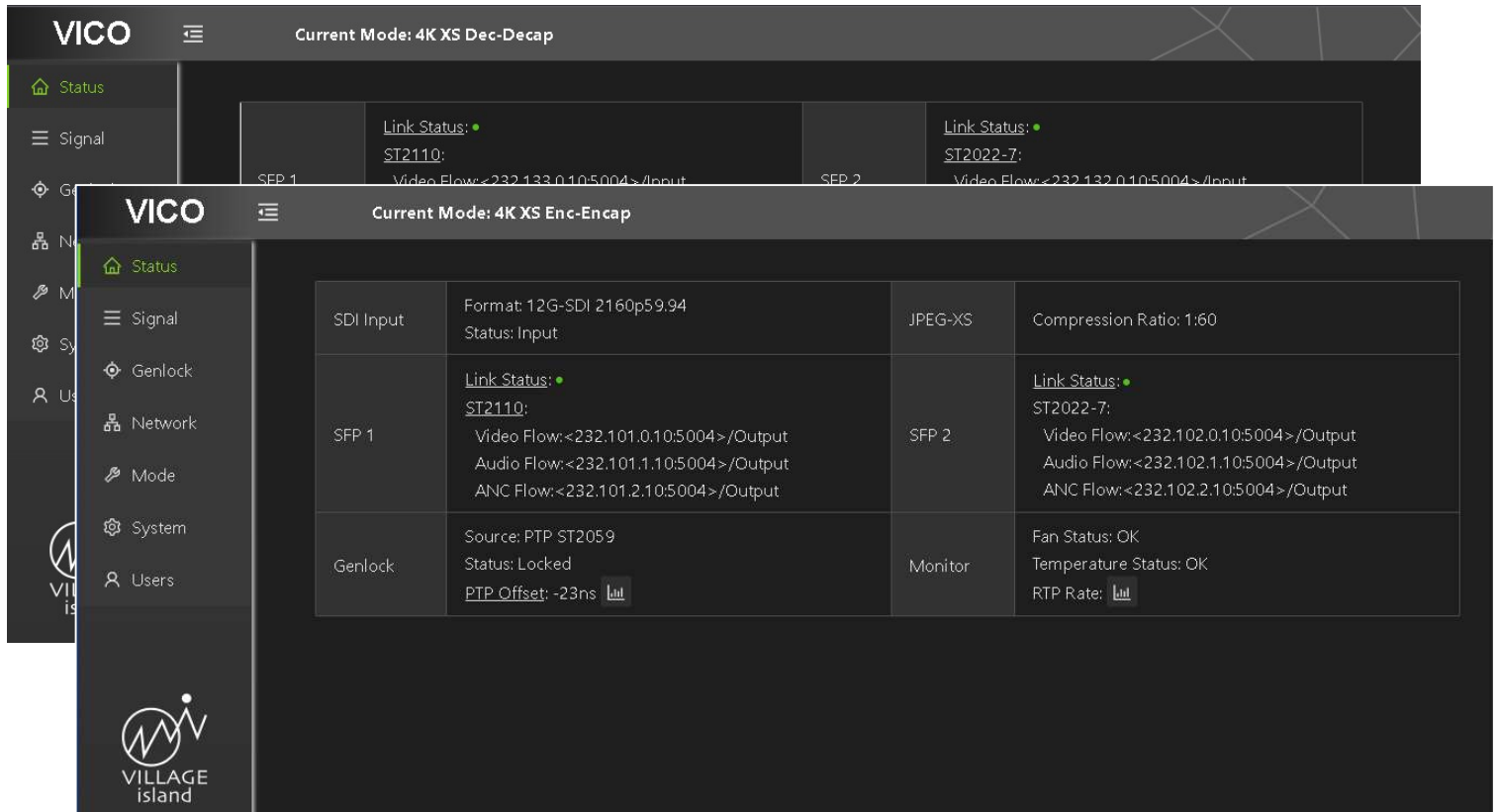


Contact

VILLAGE island Co., Ltd.

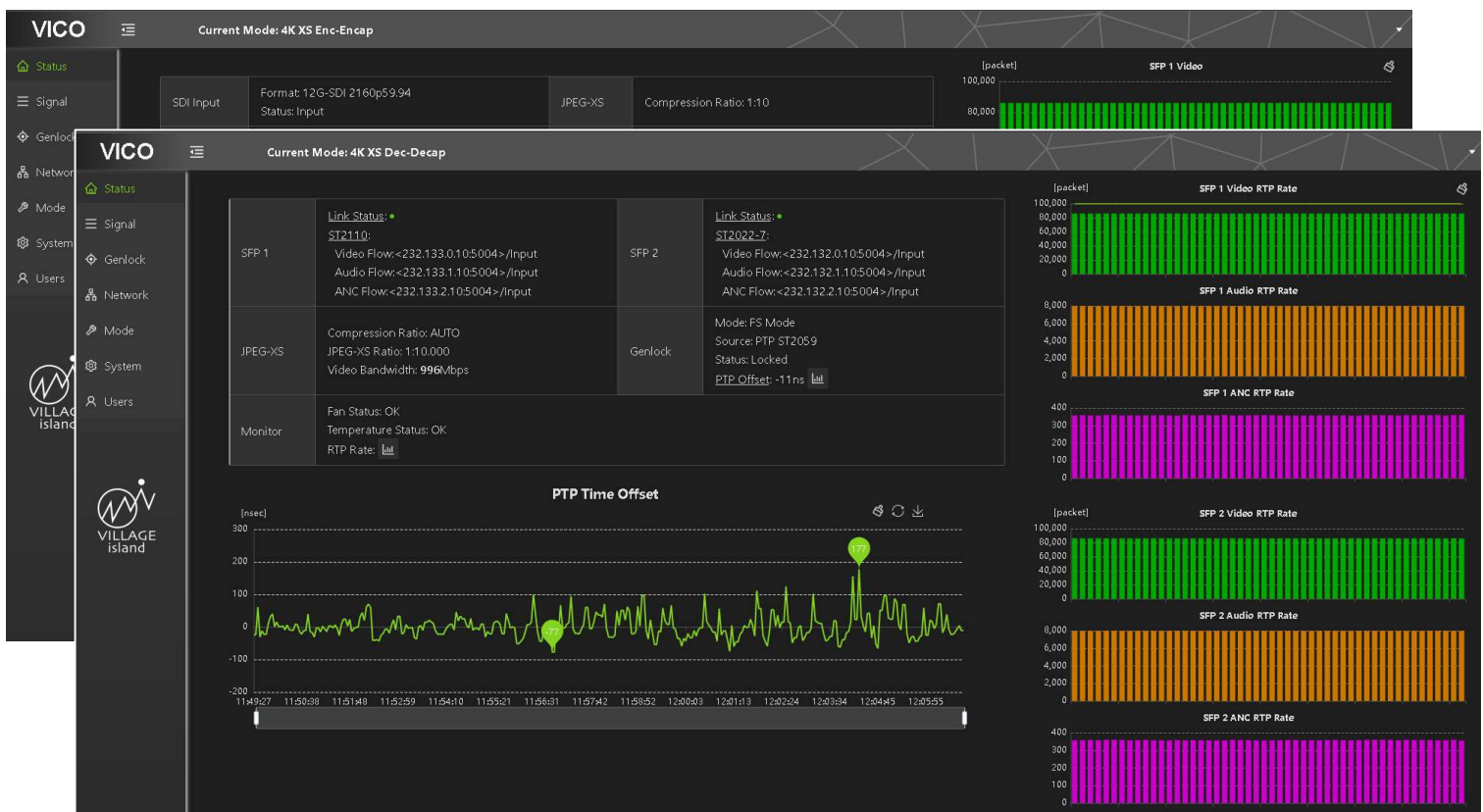
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The VICO-4L-XS includes a free web UI enabling a complete and user friendly interface for all settings and statuses. The web UI runs on standard http web browsers, without depending on third party libraries.



Category	Parameter	Value
SDI Input	Format	12G-SDI 2160p59.94
SDI Input	Status	Input
JPEG-XS	Compression Ratio	1:60
SFP 1	Link Status	●
SFP 1	ST2110	ST2110
SFP 1	Video Flow	<232.101.0.10:5004>/Output
SFP 1	Audio Flow	<232.101.1.10:5004>/Output
SFP 1	ANC Flow	<232.101.2.10:5004>/Output
SFP 2	Link Status	●
SFP 2	ST2022-7	ST2022-7
SFP 2	Video Flow	<232.102.0.10:5004>/Output
SFP 2	Audio Flow	<232.102.1.10:5004>/Output
SFP 2	ANC Flow	<232.102.2.10:5004>/Output
Genlock	Source	PTP ST2059
Genlock	Status	Locked
Genlock	PTP Offset	-23ns
Monitor	Fan Status	OK
Monitor	Temperature Status	OK
Monitor	RTP Rate	

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



Category	Parameter	Value
SDI Input	Format	12G-SDI 2160p59.94
SDI Input	Status	Input
JPEG-XS	Compression Ratio	AUTO
JPEG-XS	JPEG-XS Ratio	1:10.000
JPEG-XS	Video Bandwidth	996Mbps
SFP 1	Link Status	●
SFP 1	ST2110	ST2110
SFP 1	Video Flow	<232.133.0.10:5004>/Input
SFP 1	Audio Flow	<232.133.1.10:5004>/Input
SFP 1	ANC Flow	<232.133.2.10:5004>/Input
SFP 2	Link Status	●
SFP 2	ST2022-7	ST2022-7
SFP 2	Video Flow	<232.132.0.10:5004>/Input
SFP 2	Audio Flow	<232.132.1.10:5004>/Input
SFP 2	ANC Flow	<232.132.2.10:5004>/Input
Genlock	Mode	FS Mode
Genlock	Source	PTP ST2059
Genlock	Status	Locked
Genlock	PTP Offset	-11ns
Monitor	Fan Status	OK
Monitor	Temperature Status	OK
Monitor	RTP Rate	

PTP Time Offset

Graph showing PTP Time Offset in [nsec] over time. The y-axis ranges from -200 to 300 nsec. The x-axis shows timestamps from 1149:27 to 1240:55. A significant spike is visible around 1240:55.

SFP 1 Video RTP Rate

Bar chart showing SFP 1 Video RTP Rate in [packet] over time. The y-axis ranges from 0 to 100,000 packets.

SFP 1 Audio RTP Rate

Bar chart showing SFP 1 Audio RTP Rate in [packet] over time. The y-axis ranges from 0 to 8,000 packets.

SFP 1 ANC RTP Rate

Bar chart showing SFP 1 ANC RTP Rate in [packet] over time. The y-axis ranges from 0 to 400 packets.

SFP 2 Video RTP Rate

Bar chart showing SFP 2 Video RTP Rate in [packet] over time. The y-axis ranges from 0 to 100,000 packets.

SFP 2 Audio RTP Rate

Bar chart showing SFP 2 Audio RTP Rate in [packet] over time. The y-axis ranges from 0 to 8,000 packets.

SFP 2 ANC RTP Rate

Bar chart showing SFP 2 ANC RTP Rate in [packet] over time. The y-axis ranges from 0 to 400 packets.