



# VICO-8L-XS

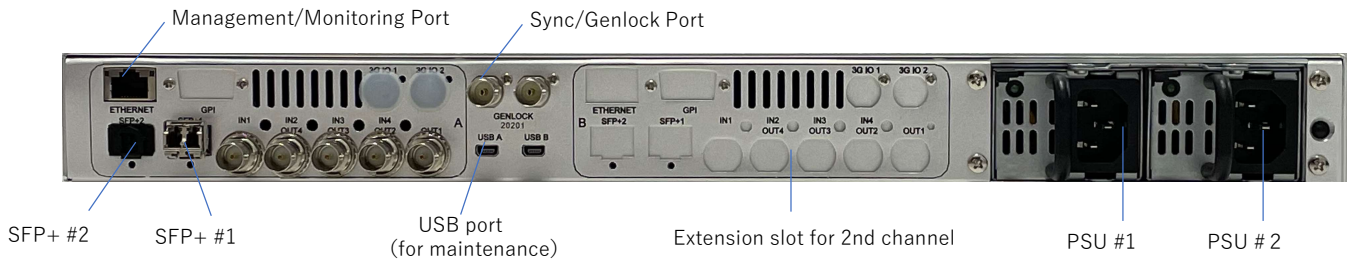
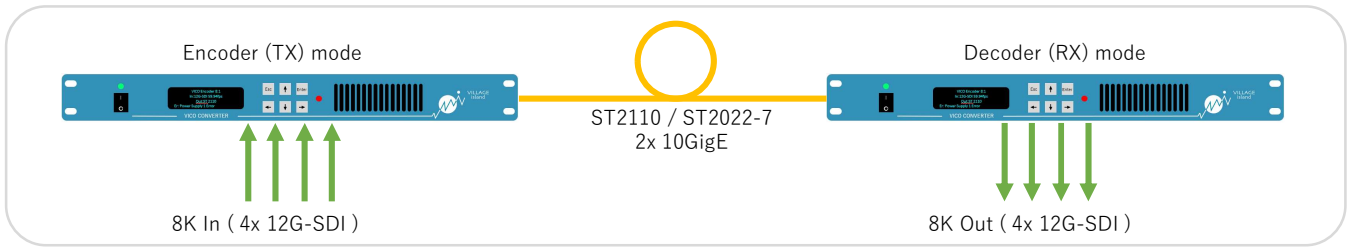
## 8K SDI / JPEG XS IP VIDEO CONVERTER



VICO-8L-XS is empowered with the visual lossless JPEG-XS codec and enables visually-loss-less conversion of 8K video signals into ST2110-22 JPEG-XS stream, with ST2022-7 redundancy for protection against data loss. The conversion is achieved with ultra-low delay. The chassis can host up to two 8K 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** 8:1 ~ 16:1 (31 selectable compression ratios)
- **Quality** Visually Loss-less
- **Compliance** SMPTE ST2110 / ST2022-7 / ST2059 / NMOS IS-04/05
- **Codec** JPEG-XS (ISO/IEC 21122:2019)
- **Size** 1RU rack mount
- **8K channels** Maximum 2 (with extension slot)
- **Audio channels** 32 audio channels per 8K video

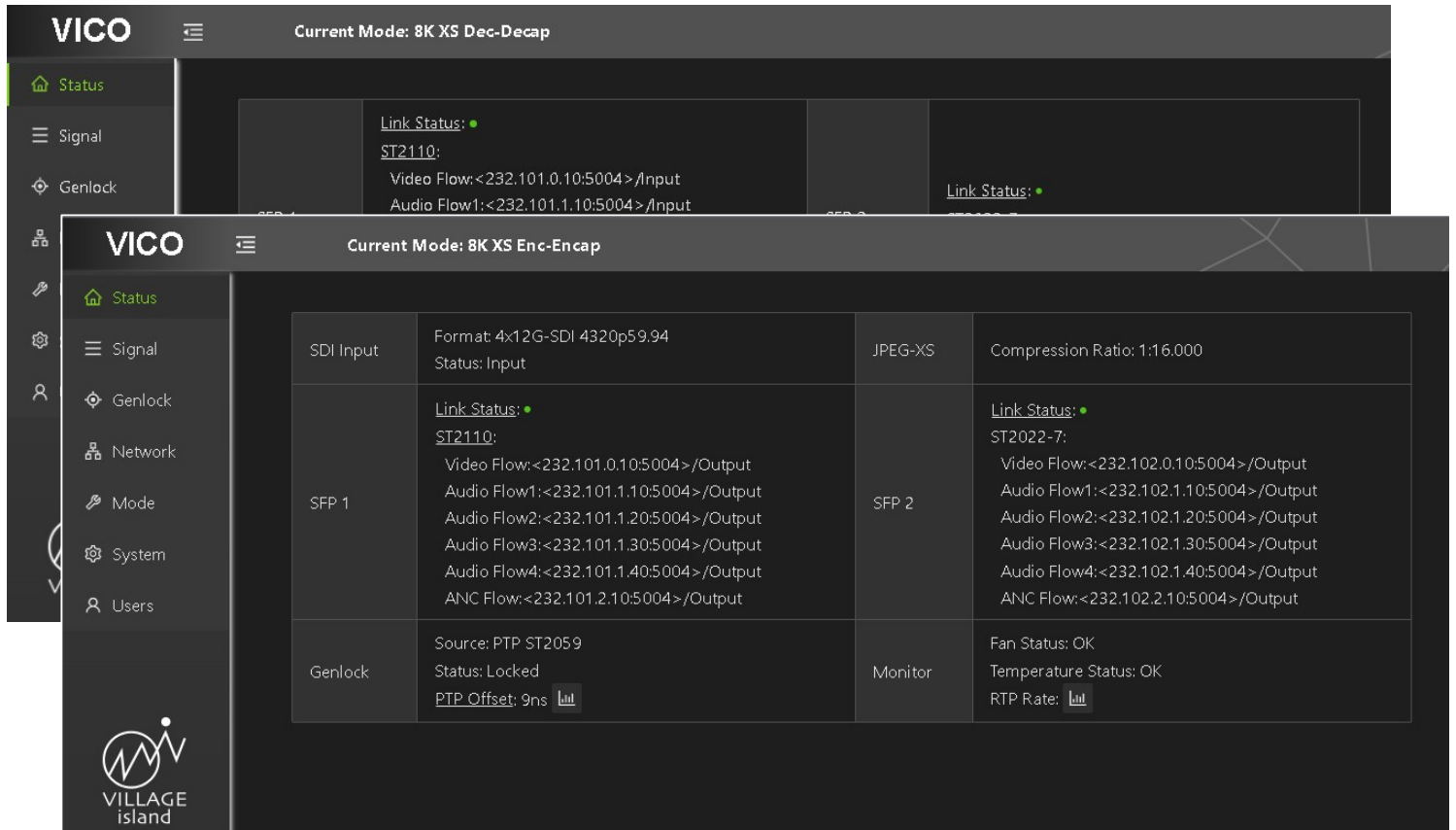


### Specs

<b>4K Resolution</b>	7680 x 4320	<b>Alarm Out</b>	OLED Display, SNMP trap
<b>Frame rate</b>	59.94p	<b>Control</b>	Front panel, Web UI, NMOS
<b>Chroma / bits</b>	4:2:2 / 10bit	<b>Power Unit</b>	Hot-swappable, dual/redundant
<b>Video &amp; Audio I/O</b>	12G-SDI x4 (2SI)	<b>Power</b>	AC100-240V, 30W
<b>JPEG XS IP I/O</b>	10GigE SFP+ (Port #1 and #2)	<b>Sizes (W x D x H)</b>	435 x 260 x 44.5 mm
<b>Compression</b>	8:1 ~ 16:1 (31 selections)	<b>Weight</b>	5Kg
<b>Decoder Sync</b>	PTP (ST-2059-1/-2), Ext. Genlock	<b>Temp./Humidity constr.</b>	0°C~35°C / 20%~80% RH

\* Specifications are subject to change. Contact us for latest updates.  
 \* SFPs are not included.

The VICO-8L-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.

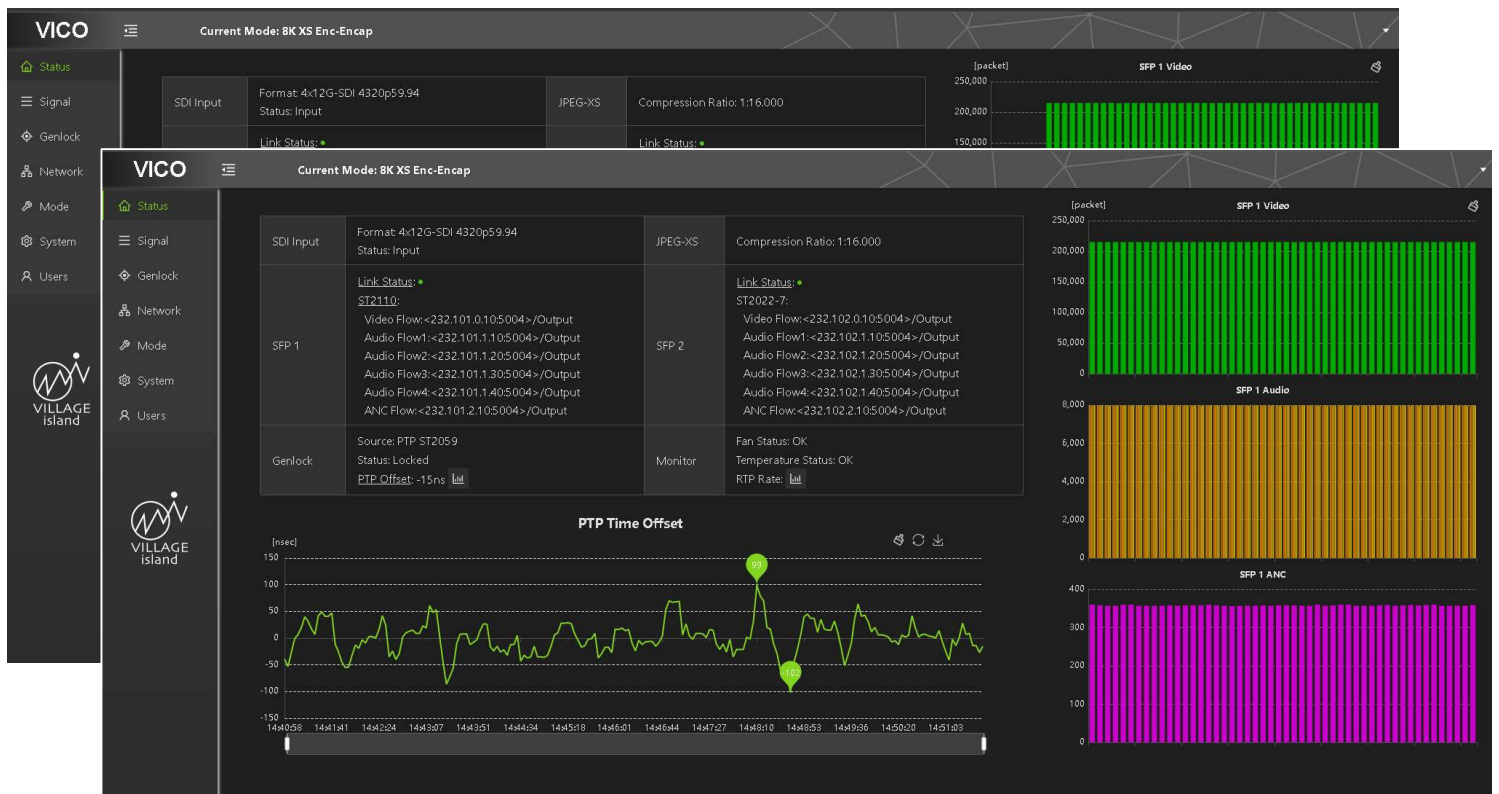


The screenshot displays the VICO web UI interface. The top navigation bar shows 'VICO' and 'Current Mode: 8K XS Dec-Decap'. A sidebar on the left contains menu items: Status, Signal, Genlock, Network, Mode, System, and Users. The main content area is divided into several sections:

- Link Status:** Shows 'Link Status: ●' and 'ST2110: Video Flow: <232.101.0.10:5004>/Input Audio Flow1: <232.101.1.10:5004>/Input'.
- SDI Input:** Format: 4x12G-SDI 4320p59.94, Status: Input.
- JPEG-XS:** Compression Ratio: 1:16.000.
- SFP 1:** Link Status: ●, ST2110: Video Flow: <232.101.0.10:5004>/Output, Audio Flow1: <232.101.1.10:5004>/Output, Audio Flow2: <232.101.1.20:5004>/Output, Audio Flow3: <232.101.1.30:5004>/Output, Audio Flow4: <232.101.1.40:5004>/Output, ANC Flow: <232.101.2.10:5004>/Output.
- SFP 2:** Link Status: ●, ST2022-7: Video Flow: <232.102.0.10:5004>/Output, Audio Flow1: <232.102.1.10:5004>/Output, Audio Flow2: <232.102.1.20:5004>/Output, Audio Flow3: <232.102.1.30:5004>/Output, Audio Flow4: <232.102.1.40:5004>/Output, ANC Flow: <232.102.2.10:5004>/Output.
- Genlock:** Source: PTP ST2059, Status: Locked, PTP Offset: 9ns.
- Monitor:** Fan Status: OK, Temperature Status: OK, RTP Rate: [Bar Chart].

The VILLAGE island logo is visible in the bottom left corner of the interface.

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



This screenshot shows the VICO web UI with monitoring views. The top navigation bar indicates 'Current Mode: 8K XS Enc-Decap'. The interface includes several monitoring graphs:

- SFP 1 Video:** A bar chart showing packet counts over time, with a scale from 0 to 250,000.
- SFP 1 Audio:** A bar chart showing audio packet counts over time, with a scale from 0 to 8,000.
- SFP 1 ANC:** A bar chart showing ANC packet counts over time, with a scale from 0 to 400.
- PTP Time Offset:** A line graph showing the PTP time offset in microseconds over time, with a scale from -150 to 150. The x-axis shows timestamps from 14:00:00 to 14:01:00.

The VILLAGE island logo is visible in the bottom left corner of the interface.