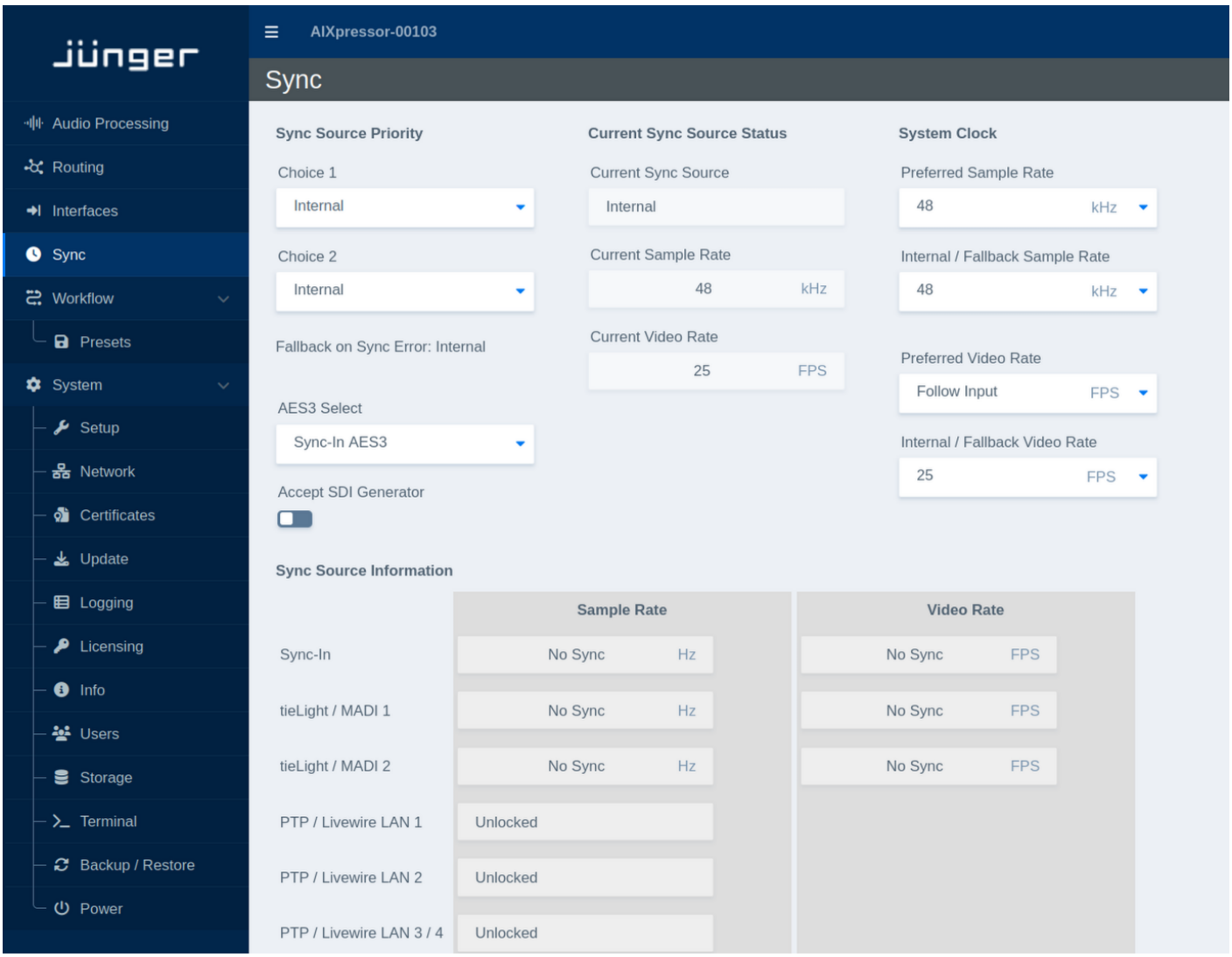
Sync

The **Sync** page defines the synchronization sources and clock settings used by the flexAI system. It also shows the currently active synchronization source and the status of the available sync inputs.

The exact synchronization sources available on this page depend on the installed interfaces and the system configuration.



Sync Source Priority

This section defines which synchronization sources the system should use and in which order.

Parameter	Values	Default	Description

Choice 1	Available sync sources	-	Defines the preferred synchronization source. The system uses this source whenever a valid sync signal is available.
Choice 2	Available sync sources	-	Defines the secondary synchronization source. It is used if the source selected as **Choice 1** is not available or not valid.
Fallback on Sync Error	Status	-	Shows the synchronization source used if none of the configured external sync sources can provide a valid signal. The internal clock is used as the final fallback.
AES3 Select	Available AES3 sync inputs	-	Selects the AES3 input to be used when AES3 synchronization is selected. The available inputs depend on the installed hardware and interfaces.
Accept SDI Generator	On / Off	-	Defines whether synchronization provided by an SDI generator is accepted as a valid sync source.

Current Sync Source Status

This section shows the synchronization currently used by the system.

Parameter	Values	Default	Description
Current Sync Source	Status	-	Shows the synchronization source currently used by the flexAI system.
Current Sample Rate	Status	-	Shows the current audio sample rate of the system in **kHz**.
Current Video Rate	Status	-	Shows the current video frame rate in **FPS**.

System Clock

This section defines the preferred audio and video clock parameters and the values used when the system operates from its internal clock.

Parameter	Values	Default	Description
Preferred Sample Rate	Supported sample rates	-	Defines the preferred audio sample rate when the selected synchronization source supports or requires a sample-rate selection.
Internal / Fallback Sample Rate	Supported sample rates	-	Defines the sample rate used when the system is running from its internal clock or has fallen back to internal synchronization.
Preferred Video Rate	Supported video rates / Follow Input	-	Defines the preferred video frame rate. Select **Follow Input** to follow the video rate provided by the active synchronization source.
Internal / Fallback Video Rate	Supported video rates	-	Defines the video frame rate used when the system is running from its internal clock or has fallen back to internal synchronization.

Sync Source Information

The **Sync Source Information** section provides a live overview of the synchronization signals detected on the available inputs.

For each sync-capable interface, the table shows the detected **Sample Rate** and, where applicable, the **Video Rate**. Depending on the interface and signal state, entries may display a detected rate or a status such as **No Sync** or **Unlocked**.

This overview can be used to verify which synchronization signals are currently available before selecting them as a preferred sync source.

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