

Key Features of the LXM & SVM Series

• HDR Monitoring

The LXM and SVM Series monitors support various HDR EOTFs, including PQ, HLG, S-Log3, which allow the monitors to display HDR content accurately and faithfully.



• Accurate Color Reproduction with Wide Color Gamut

The LXM and SVM Series monitors offer exceptional color performance, with a DCI-P3 color space coverage of 98% and the ability to display 1.073 billion colors. TVLogic's advanced calibration software ensures accurate color reproduction, resulting in precise and consistent color output.

LXM-180P: DCI-P3 98%, 10bit Colors
LXM-180P-FM: DCI-P3 98%, 10bit Colors
LXM-240U: DCI-P3 98%, 10bit Colors
LXM-240P: DCI-P3 98%, 10bit Colors
LXM-240P-FM: DCI-P3 98%, 10bit Colors
LXM-320P: DCI-P3 97%, 10bit Colors
SVM-243S: DCI-P3 98%, 10bit Colors

• Custom 3D LUT Import & Processed Output

With the LXM and SVM Series monitors, users can load and apply their own 3D LUT files, generated by color grading tools. The monitors also support output of the custom 3D LUT applied image to another monitor through an independent port, providing additional flexibility in color management and monitoring.



• Reference Input for Genlock

The LXM and SVM series monitors feature a Reference Input for genlock. Genlock (generator locking) is utilized to synchronize multiple cameras. It ensures that if the source is switched from one camera to another, the frame rate, color burst, and line rate remain consistent. This ensures that viewers see the correct picture without distortion or delay. Genlock also ensures proper synchronization among multiple input videos, which is crucial in settings like television studios with multiple cameras.

• Quad-View Display (LXM Series only)

The LXM Series monitors support quad view display, allowing up to four different video inputs to be shown on a single screen simultaneously. These monitors can display a variety of input combinations, including SDI, HDMI, and SFP, providing maximum flexibility and versatility.



• Picture-by-Picture Display

The LXM and SVM series monitors offer an extremely useful and advanced PBP feature that enables side-by-side monitoring of a single input image: SDR on one side and HDR on the other. Additionally, each image can display Waveform and/or VectorScope data. This feature also supports side-by-side monitoring of two different input sources.

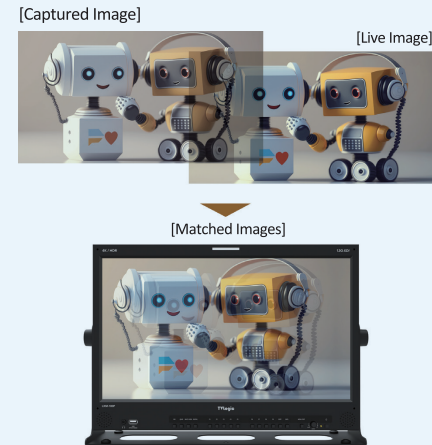


• Auto Detection of SDI Payload ID



This function enables the LXM and SVM Series monitors to automatically detect EOTF and Color Space information from the video Payload ID using SMPTE ST 352 when an SDI signal is connected, and subsequently adjust the settings accordingly.

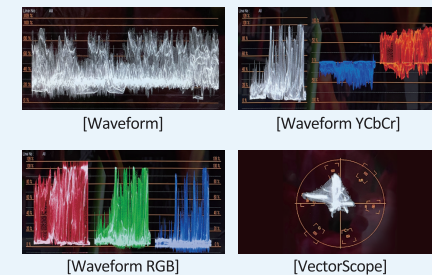
• Image Capture & Overlay



This feature allows users to capture and save an image from the scene and subsequently overlay it onto the live view. The opacity of the captured image can be adjusted during the overlay process. This functionality proves invaluable for achieving scene matching when resuming the shot.

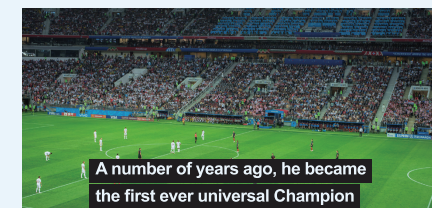
• Various Scope - Waveform, VectorScope

The LXM and SVM Series can display the input signal's Waveform, VectorScope. Both Waveform and VectorScope offer multiple modes and can be shown simultaneously. Additionally, users can opt to display the Waveform of a specific selected line.



• Multi-Language Closed Caption

The LXM and SVM Series monitors can display the closed captions embedded in the SDI signal. Multiple languages are supported in CC708 and OP47 mode. Supported languages are English, Spanish, Portuguese, Japanese, Chinese, German.



• Fast Mode

This function can be used to minimize the de-interlacing processing time delay and improve the quality of fast moving and fine details under interlaced format. It will not be effective under progressive format. Bypasses deinterlacer, playing back 2 full fields per frame. Also reduces signal processing delay for reduced audio / video delay.



• Various Audio Monitoring Functions



The LXM and SVM series offers the various audio monitoring tools such as Audio Level Meter, Audio Phase Meter. The Audio Level Meter allows users to monitor the audio level up to 16 channels by pairing and grouping the audio channels. The level meter decay time, size, and position are adjustable. The Audio Phase Meter shows how much the signal extends into the stereo field, and where the signal's energy is distributed in the stereo field by drawing a Lissajous pattern.

• H-Flip, V-Flip

The LXM and SVM series monitors provide H-Flip, V-Flip, HV-Flip, which allow the input image to be flipped horizontally, vertically, horizontal & vertically.

