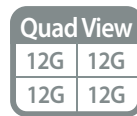


LXM Series



Professional 4K/UHD HDR Broadcast Monitors with Extensive Features



Highlights

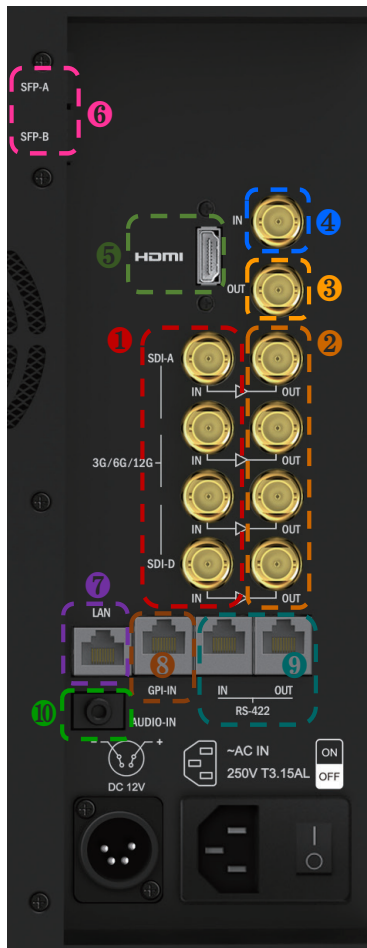
- 4 x 12G-SDI Input and Loopout
- 3G-SDI Quad-Link Input and Loopout
- Reference Input
- Dual SFP Input
- HDMI 2.0 Input
- Quad-View & Dual-View Display
- Processed Monitor Output
- Various Conversion Output
- Quad Link 12G Input to Single Link 12G Output
- Firmware Update by Ethernet
- Display Resolution 3840 x 2160**

- Peak Luminance 1000nits*
- 1.073 Billion Colors**
- HDR (PQ, HLG)
- HDR vs SDR Comparison
- Wide Color Gamut
- Custom 3D LUT Import by USB Flash Drive
- Auto Detection of SDI Payload ID
- Fast Mode
- Waveform, Vector Scope, Histogram
- Audio Phase Meter
- Closed Caption (CC-608, CC-708)

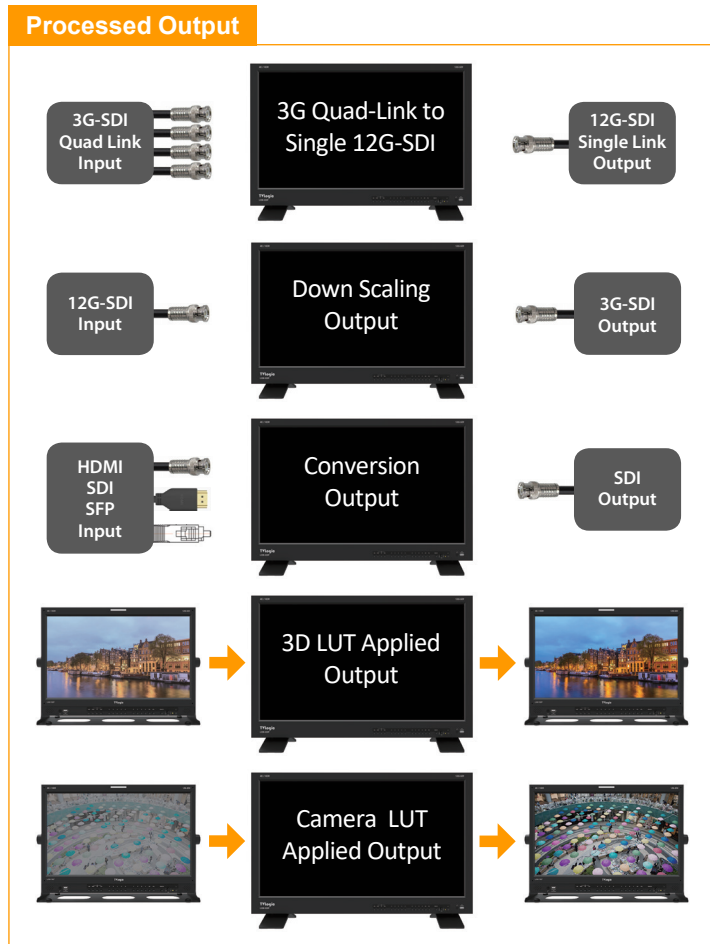
* LXM-180U and LXM-240U: less than 1000nits

** LXM-180U: 16.7M colors, 1920 x 1080

Interface



- SDI Input** ①
4 x 12G-SDI Single Link Input
3G-SDI Quad Link Input
- SDI Output** ②
4 x 12G-SDI Single Link Loopout
3G-SDI Quad Link Loopout
- Processed Output** ③
1 x SDI Processed Output
(Various Conversion Output and Color Processed Output supported)
- Reference Input** ④
1 x BNC Input
- HDMI Input** ⑤
1 x HDMI 2.0 Input
- SFP+** ⑥
2 x SFP Input
- ETHERNET** ⑦
1 x Ethernet In
(Firmware Update and Remote Control)
- REMOTE** ⑧
1 x RJ-45
(External Monitor Control)
- RS-422** ⑨
2 x RJ-45 Input & Output
(Monitor Control by TVLogic or TSL protocol)
- AUDIO** ⑩
1 x Analog In
(Phone Jack)



The LXM series monitors are TVLogic's latest generation of 4K/UHD broadcast monitors incorporating innovative hardware and software solutions.

The LXM series incorporates 12G-SDI Input(x4), 12G-SDI Output(x4), Reference(External Sync) input, HDMI 2.0 Input, SFP Input(x2) & Processed Monitor Output.

These new 4K/UHD monitors feature wide viewing angle IPS panel, various HDR EOTFs, wide color gamut of DCI-P3 with 98% coverage, 10-bit color depth, and Accurate Color Reproduction by 3D LUT support. Additionally, the LXM series monitors offer the high-performance functions such as HDR-SDR Comparison, 12G-SDI Quad-View and Dual-View display, custom 3D LUT import, SFP to SDI conversion output, processed monitor output, Waveform, Vector Scope, Audio Phase Meter, Firmware Update by Ethernet, and more. The LXM monitors are ideal for 4K live production, versatile monitoring in the studio and field location, edit suite and post-production.

Display & Dimensions

Specifications	LXM-180U	LXM-180P	LXM-240U	LXM-240P	LXM-320P
Size	18.5"	18.4"	23.8"	23.8"	31.5"
Resolution	1920 x 1080 (16:9)	3840 x 2160 (16:9)	3840 x 2160 (16:9)	3840 x 2160 (16:9)	3840 x 2160 (16:9)
Pixel Pitch	0.213(H) x 0.213(V) mm	0.035(H) x 0.1065(V) mm	0.137(H) x 0.137(V) mm	0.137(H) x 0.137(V) mm	0.182(H) x 0.182(V) mm
Color Depth	16.7M Colors (True 8 bit)	1.07B Colors (10 bit)	1.07B Colors (10 bit)	1.07B Colors (10 bit)	1.07B Colors (10 bit)
Viewing Angle	178°(H) / 178°(V)	170°(H) / 170°(V)	178°(H) / 178°(V)	178°(H) / 178°(V)	178°(H) / 178°(V)
Luminance of white	500cd/m ²	1000cd/m ²	500cd/m ²	1000cd/m ²	1000cd/m ²
Contrast Ratio	1000 : 1	1000 : 1	1200 : 1	1000 : 1	1000 : 1
Display Area	408.96(H) x 230.04(V) mm	408.96(H) x 230.04(V) mm	525.7(H) x 295.7(V) mm	527.0(H) x 296.5(V) mm	697.31(H) x 392.23(V) mm
Dimensions (Main Body)	442.5 x 309 x 91.8 (mm) 17.42 x 12.16 x 3.61 (inch)	442.5 x 309 x 91.8 (mm) 17.42 x 12.16 x 3.61 (inch)	552.5 x 360.4 x 95.9 (mm) 21.75 x 14.18 x 3.77 (inch)	552.5 x 360.4 x 95.9 (mm) 21.75 x 14.18 x 3.77 (inch)	760.3 x 485.8 x 107.1 (mm) 29.93 x 19.12 x 4.21 (inch)
Dimensions (with stand)	489.3 x 332.8 x 137.5 (mm) 19.26 x 13.1 x 5.41 (inch)	489.3 x 332.8 x 137.5 (mm) 19.26 x 13.1 x 5.41 (inch)	586.13 x 388.2 x 150 (mm) 23.07 x 15.28 x 5.90 (inch)	586.13 x 388.2 x 150 (mm) 23.07 x 15.28 x 5.90 (inch)	760.3 x 525.9 x 245 (mm) 29.93 x 20.70 x 9.64 (inch)
Weight	7.1kg / 15.65lbs	7.1kg / 15.65lbs	10kg / 22.04lbs	10kg / 22.04lbs	18.4kg / 0.56lbs

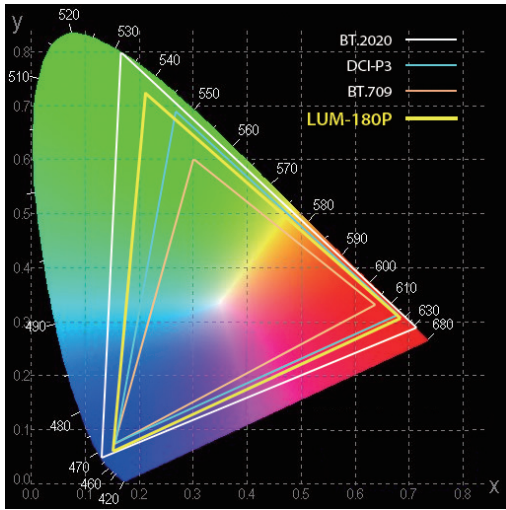
*Specifications are subject to change without notice.

Key Features

• Accurate Color Reproduction with Wide Color Gamut

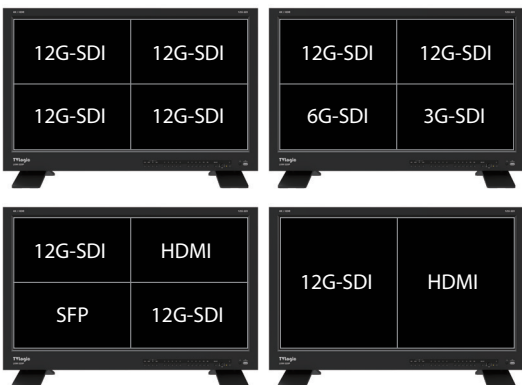
The LXM Series monitors offer exceptional color performance, with a DCI-P3 color space coverage of 98%* and the ability to display 1.073 billion colors*. TVLogic's advanced calibration software ensures accurate color reproduction, resulting in precise and consistent color output.

(*Some models cover less than DCI-P3 98% or 1.073B colors.)



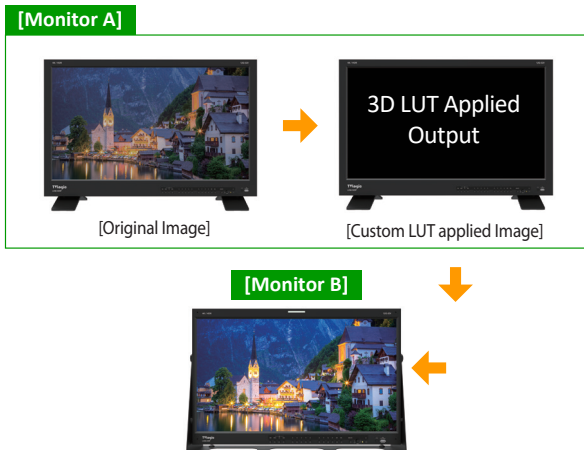
• Quad View & Dual View Display

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.



• Custom 3D LUT Import & Processed Output

With the LXM 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.



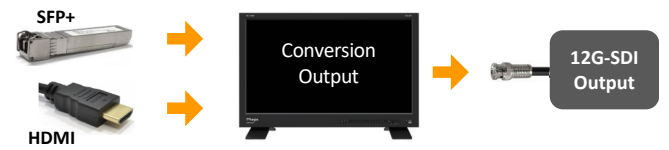
• HDR Monitoring

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



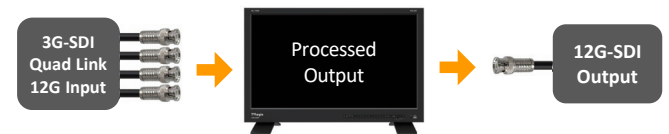
• Conversion Output

The LXM monitors support various cross conversions, including SFP to SDI output and HDMI to SDI output, providing useful versatility both on location and in the studio.



• Quad Link 3G Input to Single Link 12G Output

The LXM monitors can receive a 3G-SDI Quad Link 4K video signal and loop out the signal into a single-link 12G-SDI, allowing HD monitors to check the quad-link 4K signals simultaneously on location. This function provides added convenience and efficiency.



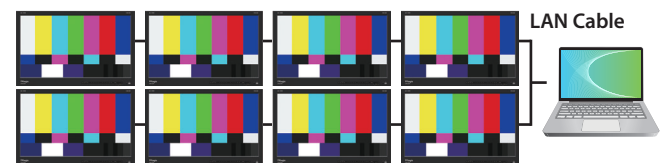
• HDR vs SDR Comparison

The LXM Series monitors support an HDR and SDR comparison feature, which helps users to compare and adjust HDR and SDR content side by side for optimal viewing.



• Firmware Update via Ethernet

All LXM monitors can be connected to Ethernet, enabling convenient remote firmware updates over the network. This feature makes it easy to keep your monitor up-to-date with the latest software enhancements and improvements.



• Multi Analysis View

The LXM Series monitors offer the ability to display and monitor Waveform, Vector Scope, Histogram, and Audio Phase Meter on the screen simultaneously.

*Features are subject to change without notice.

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