

MLS-X1

Scalable and Reconfigurable Live Production Processor/Switcher



NETWORKED LIVE

Specifications

General

Power Requirement	AC 100 V to 127 V, 50/60Hz AC 200V to 240 V, 50/60Hz
Power Consumption	100 V to 127 V : 13 A to 10.2 A 200 V to 240 V : 6.5 A to 5.4 A (when equipped with all installable option boards)
Operating Temperature	5 °C to 40 °C (41 °F to 104 °F)
Storage Temperature	- 20 °C to 60 °C (- 4 °F to 140 °F)
Operating Humidity	10 % to 90 %
Dimensions (W x H x D)	440 x 176 x 583 mm (17 3/8 x 7 x 23 inches)
Mass	Approx. 28 kg (61 lb 5 oz) (when equipped with all installable

option boards)

Video Inputs/Outputs *1

Inputs (SDI) (100G IP)	64 for primary inputs
Outputs (100G IP)	64 for assignable outputs
Outputs (SDI)	32 for assignable outputs
Signal Format	SMPTE ST 2110
Signal Processing	4:2:2 digital component
Quantization	12G/3G/HD : 10-bit

Reference

Reference Input	BNC (x2), 75 Ω with loop-through output HD tri-level sync or Analog black burst
Reference Output	BNC (x1), 75 Ω output HD tri-level sync or Analog black burst *2

Control

LAN 1	RJ-45 (x1), 1000BASE-T
LAN 2	RJ-45 (x1), 1000BASE-T
GPI	D-sub 25-pin (x1), open collector

	outputs 16 ch, 3.3V TTL inputs 6ch
USB	USB 2.0 (x2), USB 3.0 (x2) for maintenance only

Optional

TALLY/GPI, RS-422 (MKS-X1700)	D-sub 25-pin (x2), open collector outputs 32 ch, 3.3V TTL inputs 12ch RJ-45 (x4) for RS-422 (x8) via break out cables
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System Format

4K	3840x2160/59.94P, 3840x2160/50P, 3840x2160/29.97P *3, 3840x2160/23.98P *3
HD	1080/59.94P, 1080/50P, 1080/29.97PsF *3, 1080/23.98PsF *3, 1080/59.94i, 1080/50i, 720/59.94P

Notes

*1 The specifications are for a single unit of MLS-X1. When a system is configured with multiple MLS-X1s, number of inputs and outputs increase. Available inputs and

outputs numbers are defined by the switcher configuration and the signal format.

*2

Reference output is available only when a single unit of MLS-X1 is used alone.

*3

These formats are planned to be supported by future software upgrade.

Related products



XVS-G1

Powerful and Compact Live Production Switcher



MKS-R3210

32 Button remote control panel



MKS-R1620

16 Button remote control panel



ICP-X7000

Control panel for MLS-X1 and XVS series switchers



M2L-X

M2L-X Software-Based Live Production Switcher

Gallery

