

SONY



MCX-500

Multi-Camera Live Producer

The MCX-500 is an affordable, uniquely user-friendly and flexible production switcher that makes it simple for a single operator or small team to produce a broadcast quality live event. Multiple video inputs include professional 3G-SDI, HDMI, Composite Video plus dedicated DSK mean you can mix and match kit as needed for each production.

Smart controls with configurable LCD Touchscreen

If you're running the show on your own, you need controls that suit the way you work – intuitive and yet somehow also fully featured. The MCX-500 achieves this by carefully thought out physical controls that you will find easy to operate without looking away from the action for a second.

More advanced features can be tuned to your exact workflow requirements and mapped to an LCD touch-screen control with easily recognisable ICON buttons. Trigger the sophisticated effects you've pre-defined with a single touch on a user-defined ICON. It's a robust, user-friendly system that's easily extended to bring in additional team members as productions grow.



Multi-view monitoring

See all your sources simultaneously on one display. The switcher's multi-view output makes it easy for you to see all your sources and outputs on a single screen. Monitoring on the multi-view is always four inputs.

Advanced titles and effects

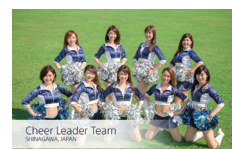
The MCX-500 allows you easily to create advanced video effects such as Chroma key, transitions and PinP (Picture in Picture).



Transitions

Chroma key

PinP



Insert and overlay titles



Overlay Logo

* Logo function requires version 2.0 firmware.

Mix between 8 video sources + 1 Title (total 9 inputs)

The switcher is designed to expand your operations for full control of a multi-camera shoot. There is no need to worry about swapping out inputs during a production – the MCX-500 features no less than 8 video inputs (plus dedicated Title input) to easily accommodate any small-

to-medium sized production. Inputs include professional 3G-SDI (x4), standard HDMI (x2) and even composite video (x2), allowing you to connect a wide variety of cameras and other equipment.



Stream content live over the internet

The MCX-500 is ideal for live streaming events and productions. The switcher allows you to live mix the output of multiple sources with direct streaming in real time using services such as Ustream®. Share scenes as they happen with high quality picture and sound, direct from the MCX-500 to a router via Ethernet – no PC required.



PC, Mac & Tablet integration

The MCX-500 is designed to allow you to control multi-camera shoots in the most flexible way possible.

Full HD support

MCX-500 is a global model allowing you to record a variety of HD standards depending on your needs. You can record AVCHD Full HD 1920x1080 60i/50i or 1440x1080 60i/50i.

Specification

General	Power requirement	DC 12V, Approx. 23W
	Dimensions (W x H x D)	362 x 43.5 x 206 mm (Approx.)
	Mass	Approx. 2.1 kg
System	Video format	1080/59.94i Hz (60i) 1080/50i Hz (50i)
Streaming	Protocol	AVC/RTMP (Ustream)
Recording	format	AVCHD
	Media	Memory Stick ProDuo, Memory Stick PRO-HG Duo, Memory Stick XC-HG, SD SDHC, SDXC memory cards (Class 4 or higher),
Video switcher	Function	Input : 8 Primary Video inputs + Title, 4 Channel 1 M/E + 2 Keyer (1 x PinP, 1 x Title) Output: PGM Output, Multi View Output
	Key Type	Luminance Key / Chroma key
Audio mixer	Function	Input: Analog Stereo (x1) / Stereo Embedded Audio inputs (x4) Mixing: Stereo Mixing (x5) Output: PGM (Stereo) (x1)
Video input	SDI	BNC (x4), 75 Ω, 3G SDI/HD/SD SMPTE 292M/259M/424M/425M
	HDMI	Type A (x2) (720x480/576p, 1280x720p, 1920x1080i/p)
	VIDEO input	BNC (x2), NTSC/PAL VIDEO: 1.0 Vp-p 75 Ω, negative sync
	TITLE	D-Sub Shrink 15-pin (x1) (Female) RGB (1600x1200)

Record direct to SD memory card

An internal memory card slot means all you need to record your production is an SD card, affordable and widely available with no need for an external recorder. As soon as the shoot wraps, you can provide the customer with a high quality AVCHD to archive, re-broadcast or even re-edit into a highlights package on any leading non-linear editing software.

Affordable tally system

Tally signals can be sent to the connected camcorders so you always know which camcorder is live on-air. A tally indicator will automatically appear on each camcorder's LCD panel and Electronic View Finder – a red icon indicates when the shot is live (PGM) while green indicates preview (NEXT).

Audio mixing of up to 5 channels including XLR Seamless integration with Sony camcorders

* Compatible camcorders only. Please refer to Specifications for more information.

Video output	HD SDI	BNC (x1, PGM) 75 Ω, 1.5 Gbps, 270 Mbps SMPTE 292M
	HDMI	HDMI (Type A) (x1, PGM) (720x480/576p, 1280x720p, 1920x1080i/p) HDMI (Type A) (x1, Multi View) (720x480/576p, 1280x720p, 1920x1080i/p)
		VIDEO output
Audio input	Embedded audio input	SDI/HDMI 16bit, Sampling; 48HKHz
	Analog input	XLR/TRS Combo Type (CH-1, CH-2)
Audio output	Embedded audio output	SDI/HDMI 16bit, Sampling; 48HKHz
	Analog output	Phono jack (CH-1, CH-2)
	Headphones	Stereo mini jack (x1)
Other interface	LAN	RJ-45 (x2, PC UI Streaming), 100BASE-TX, 1000BASE-T
	USB 2.0	USB Type-miniB (x1)
	Option	φ3.5mm jack (x1)
	TALLY	D-Sub 9-pin (x1) (male)

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