



LC100A

Media Processor with Touchscreen Annotation

• INTRODUCTION

The LC100A is a powerful multimedia processor designed to enhance collaboration in legal, training and educational environments. It features advanced real-time annotation, supporting up-to four simultaneous users via touchscreens or mice. The device allows for flexible PIP (Picture-in-Picture) and PBP (Picture-by-Picture) layouts, source switching and logo insertion. Beyond processing, the LC100A is a versatile content hub, enabling users to capture snapshots, record high-quality video, and live stream content over local networks and online platforms. It is the ideal solution for courtrooms and classrooms requiring live streaming and secure archiving.

• KEY FEATURES

- **Dual-Channel Processing:** Seamlessly manage and switch between two video inputs.
- **Interactive Tools:** Real-time annotation, snapshot capture, and video recording.
- **Versatile Annotation:** Enhance clarity with a comprehensive toolkit, including freehand drawing, shapes (lines, squares, circles), arrows, spotlight effects, and easel tools.
- **Multi-User Collaboration:** Supports up to 4 simultaneous touchscreen or mouse inputs.
- **Hybrid Workflow:** Simultaneous live streaming, local recording and automated data transfer.
- **Universal Connectivity:** Compatible with HDMI, SDI, RTSP, and USB inputs.
- **Pro Audio:** XLR input with Phantom Power for professional-grade sound.
- **2TB Internal Storage:** Built-in HDD for on-board video archiving.
- **Remote Control:** Optional external panel for streamlined operation.
- **5-Year Warranty:** Industry-leading support ensuring long-term reliability.



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• SPECIFICATIONS

Video Input	
Number/signal	2* HDMI (HDCP Compliant) 2* 3G-SDI
Connection	Female HDMI type-A / 3G-SDI
Resolution Range	HDMI Input 1: 720p~2160p 60fps, 1920x1200 (RB) Others: 720p~1080p 60fps
IP Source / USB Camera	Lumens IP PTZ / Box Camera RTSP Source (H.264 1080p 60/30fps) USB Camera (MJPEG 1080p 30fps)
Video Processing	
Video Compression	H.264 / AVC 4:2:0 8 bit color Encoding Profile: High, Main, Baseline
Bitrate	200 kbps to 10 Mbps
Video Output	
Number/Signal	3* H.264 / AVC Digital Video over Ethernet 2* HDMI Digital Video 1* HDMI Pass-through (up to 4K)
Scaled Resolution	1080p
Frame Rate	30 / 60 fps
Recording and Storage	
Internal Storage	2TB HDD
External Storage	4* USB 3.0 Port
File Type	H.264 and AAC in an MP4 container, JPEG
Resolution	360p, 720p, 1080p
Frame Rate	Max. 1080p 60/30 fps
Audio Input	
Number/signal	1* Line In (Stereo Unbalanced Audio, 3.5mm Phone Jack) 2* Combo (XLR / TRS, Balanced Audio, Line in / Mic in, Support +48V Phantom Power) IP Audio Source (RTSP, AAC-Raw, 16K / 44.1K / 48K) Support UAC
Audio Processing	
Compression	AAC-LC
Audio Output	
Number/Signal	1* stereo, Unbalanced 3.5mm Phone Jack 2* stereo, Digital De-embedded Audio from HDMI

Communication	
USB	1* USB 2.0 Type A 4* USB 3.0 Type A Support USB Storage, USB Camera, USB Mic USB Mouse, Keyboard, HID Touch Display
Serial Control	RS-232 / RS-485 port
Ethernet	
Ethernet host port	1* female RJ-45 10/100/1000 Base-T High / Full Duplex
Streaming Protocol	Pull: RTSP Push: RTMP / RTMPS / MPEG-TS, SRT TCP, UDP, HTTP DHCP Client
Functions	
Support IP Sources	Lumens IP Camera, RTSP
Scenes switch	Yes, preset for layout, background, and overlay
Layout switch	Yes (Single, PIP, and PBP)
Background switch	Yes
Overlay	Yes, PNG overlay or system time overlay
File backup	FTP / SFTP / NAS(CIFS / SMB, NFS) / WebDAV / Copy to USB Flash Drive
Content management systems	Panopto / OpenCast / Kaltura
Annotation	Yes, annotations can be added to the Live screen. It also allows for screen capture and recording.
Annotation Tools	Freehand, Arrows, Line, Square, Circle, Text(English) , Highlight, Spotlight, Erase, Freeze..etc
General	
Power supply	DC In , 12V / 3A
Power consumption	30W
Dimensions: (WxHxD)	Standard 1u rack dimensions 432mm (W) x 49.4mm (H) x 218mm (D) (17" x 1.9" x 8.5")
Weight	2.4 Kg (5.3 lbs)

• I/O CONNECTIONS

