Lumens®

LC100
CaptureVision System
2CH HD Recorder and Streaming Media Processor

Lumens CaptureVision System LC100 is an all-in-one 2-channel media processor that enables you to record, mix and stream live. AV inputs include HDMI, SDI, USB, Ethernet and XLR audio for professional audio. Preset scenes and the intuitive GUI simplify live production, and the deployment tool software centralizes system management and administration. It is applicable for lecture capture in education, streaming worship services, sharing corporate training, and live event delivery.

Key Features

- 2-Channel AV Source Processing
- Simultaneous Recording and Streaming
- HDMI, SDI, RTSP, USB source inputs
- XLR with Phantom power supported
- Built-in 2TB HDD storage*
- Remote Control Panel (Optional)
- 5-year warranty*

*The warranty policy may be different depending on the sales region, please contact your local salesperson.
* Model without an HDD available in specific regions.
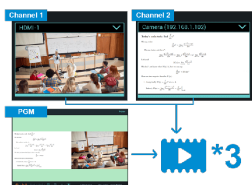
Onboard GUI Director

Live control is incorporated into the device. Connect an HDMI screen to the LC100 to access the intuitive GUI. Sessions can be produced live or scheduled in advance.

Live Pre-defined Scenes for Switching

Build layout scenes that incorporate a variety of visual elements include split screen video, picture-in-picture, title/logo overlays, and background images. Activate and change layouts with the click of a mouse.

Program & ISO Recording

The LC100 records the mixed program-out video and captures two video inputs with independent audio. This simplifies media archiving and post-production.

Deployment Tool for remote central management

The Lumens deployment software enables control, management, and administration of multiple LC100 units on the network. Administrators can remotely monitor device status, saving time and reducing costs.

Intermission Scene and Chapter Marker

Need a break time during the streaming session? Hit the coffee mark to display the break time page. At the same time, set a chapter mark to instantly jump to a particular scene during playback.

Applications

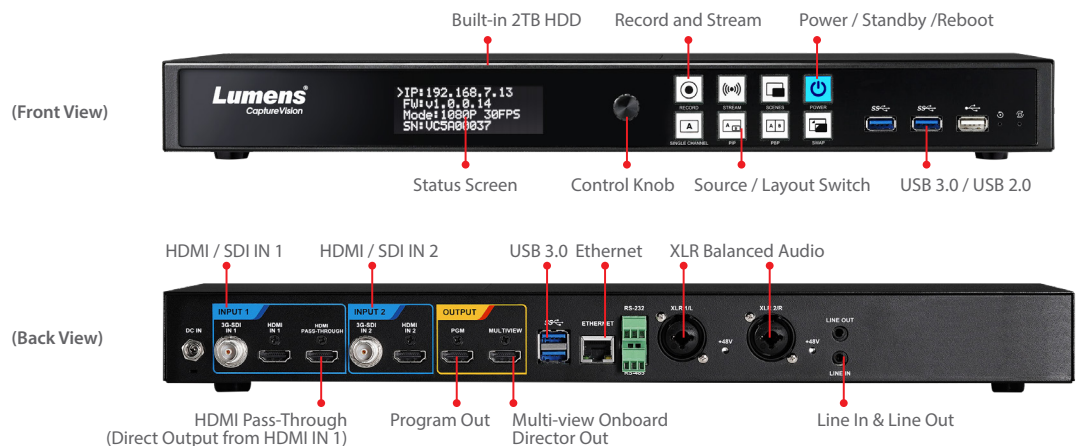**Lecture Capture**

Event Streaming

Corporate Training

Product 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, 1920 x 1200 (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 8bit 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 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, 16K/44.1K/48K) Support USB Audio (UAC)

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 10/1001000 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

General	
Power Supply	DC In , 12V / 3A
Power Consumption	30W
Dimensions (W x H x D)	Standard 1u rack 17" x 1.9" x 8.5" (432 x 49.4 x 218mm)
Weight	5.3 lbs (2.4 Kg)

Built-in 2TB HDD   Record and Stream   Power / Standby /Reboot

(Front View)

Status Screen   Control Knob   Source / Layout Switch   USB 3.0 / USB 2.0

I/O Connections

HDMI / SDI IN 1   HDMI / SDI IN 2   USB 3.0 Ethernet   XLR Balanced Audio

(Back View)

HDMI Pass-Through
(Direct Output from HDMI IN 1)   Program Out   Multi-view Onboard Director Out   Line In & Line Out