



# 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.

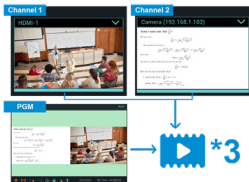
### Onboard GUI Director

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



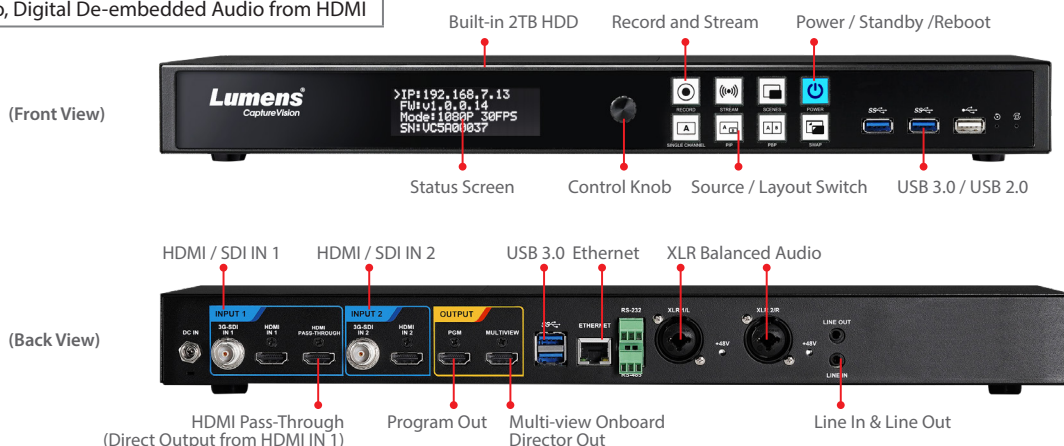
Corporate Training

## Product Specifications

| Video Input            |   |
|------------------------|---|
| Number / Signal        | 2* HDMI<br>2* 3G-SDI  |
| Connection             | Female HDMI Type-A / 3G-SDI   |
| Resolution Range       | HDMI Input 1: 720p~2160p 60fps<br>Others: 720p~1080p 60fps  |
| IP Source / USB Camera | Lumens IP PTZ / Box Camera<br>RTSP Source (H.264 1080p 60/30fps)<br>USB Camera (MJPEG 1080p 30fps)  |
| Video Processing       |   |
| Video Compression      | H.264 / AVC 4:2:0 8bit color<br>Encoding Profile: High, Main, Baseline  |
| Bitrate                | 200 kbps to 10 Mbps   |
| Video Output           |   |
| Number / Signal        | 3* H.264 / AVC Digital Video over Ethernet<br>2* HDMI Digital Video<br>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)<br>2* Combo (XLR / TRS, Balanced Audio, Line in/ Mic in, Support +48V Phantom Power)<br>IP Audio Source (RTSP, 16K/44.1K/48K)<br>Support USB Audio (UAC) |
| Audio Output           |   |
| Number / Signal        | 1* Stereo, Unbalanced 3.5mm Phone Jack<br>2* Stereo, Digital De-embedded Audio from HDMI  |

| Communication              |  |
|----------------------------|--|
| USB                        | 1* USB 2.0 Type A<br>4* USB 3.0 Type A<br>Support USB Storage, USB Camera, USB Mic<br>USB Mouse, Keyboard, HID Touch Display |
| Serial Control             | RS-232 / RS-485 Port   |
| Ethernet                   |  |
| Ethernet Host Port         | 1* Female RJ-45<br>10/1001000 Base-T High / Full Duplex  |
| Streaming Protocol         | Pull: RTSP<br>Push: RTMP / RTMPS / MPEG-TS / SRT<br>TCP / UDP / HTTP<br>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<br>17" x 1.9" x 8.5" (432 x 49.4 x 218mm)   |
| Weight                     | 5.3 lbs (2.4 Kg)   |

## I/O Connections



**Lumens®**

Lumens Integration, Inc.  
4116 Clipper Court  
Fremont, CA, 94538  
Phone: +1-866-600-0988  
Fax: +1-510-252-1389

Lumens Europe  
De Nayerstraat 17 9470  
Denderleeuw Belgium  
Phone : +32-473-58-38-95  
Fax : +32-2-452-76-00



[www.MyLumens.com](http://www.MyLumens.com)