Product Introduction

LC100 NPI

2-Channel HD Recorder and Streaming Media Processor

Lumens®
CaptureVision

>IP:192.168.7.13
FW:v1.0.0.14
Mode:1080P 30FPS
SN:VC5A00037

Overview

1. All-in-One Video Solution
2. Recording
3. Stream
4. Store
5. Micro-Production
6. Switch

Lumens®

TAA COMPLIANT

5 year Warranty

Recording → Stream → Store → Produce → Switch
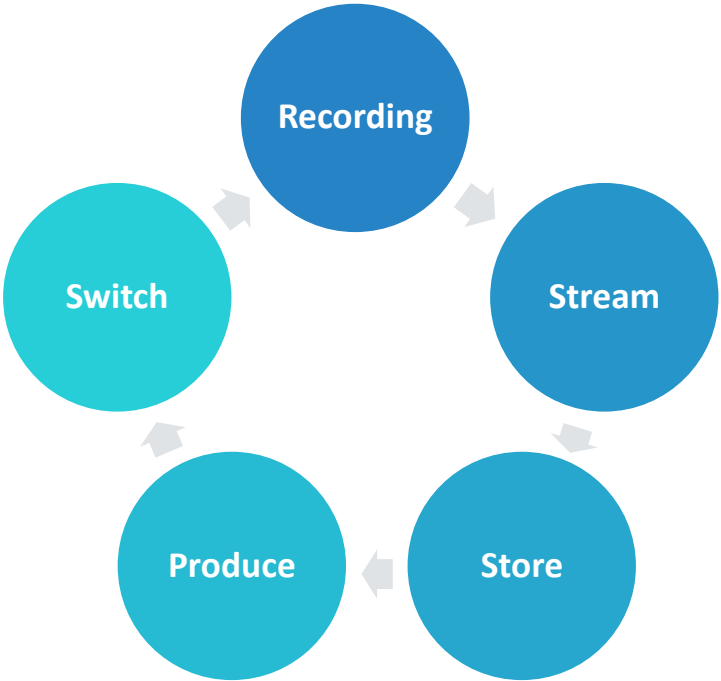
Product Family

Lumens®

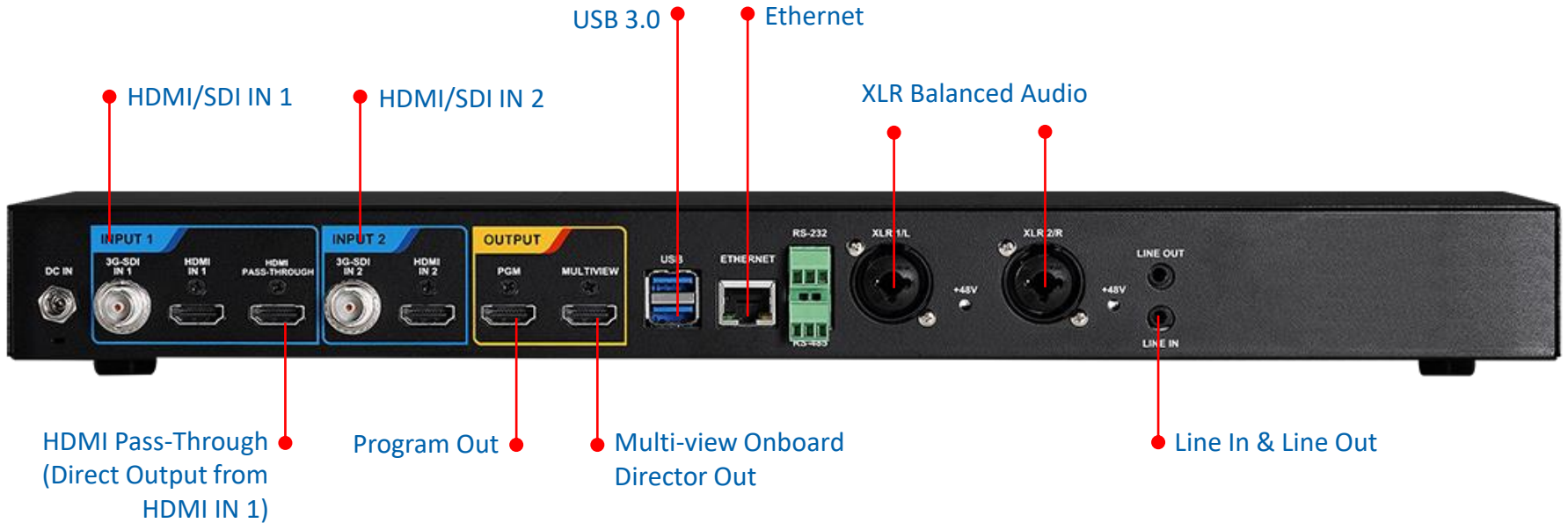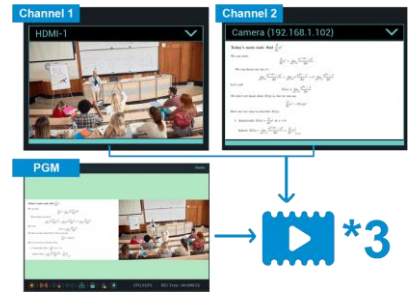|	LC100	LC200
Multi-channel Video Mixing	2 Video Source	4 Video Source
Recording Modes	1 mixed + 2 individual original	1 mixed + 4 individual original
Video In	HDMI*2 (one HDMI 2.0) 3G-SDI*1 IP Video Source*2 USB Camera*1	HDMI*4 IP Video Source*3
Audio In	XLR*2 3.5mm Line In*1 HDMI Audio*2 SDI Audio*2 USB Audio*1 IP Audio*2	3.5mm & Line In*4 (Unblance, Stereo) HDMI Audio*4 IP Audio
Video Out	HDMI out*2 HDMI Pass Through*1 (up to 4K)	HDMI*2
LCM	Yes, OSD Menu	NA
Built-in HD	Built-in SATA 2TB HDD	Standard: SATA 1TB HDD Optional: SATA 2TB HDD
Streaming	RTSP / RTP / RTMP / RTMPS / SRT	RTSP / RTP / RTMP / RTMPS

*Only available in special regions

LC100 Front View

Built-in 2TB HDD

Record and Stream

Power/Standby/Reboot

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USB 3.0/USB 2.0

Status Screen

Control Knob

Source/Layout Switch

Product I/O

LC100 Back View

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USB 3.0

Ethernet

XLR Balanced Audio

HDMI/SDI IN 1

HDMI/SDI IN 2

INPUT 1

DC IN | 3G-SDI IN 1 | HDMI IN 1 | HDMI PASS-THROUGH

INPUT 2

3G-SDI IN 2 | HDMI IN 2

OUTPUT

PGM | MULTIVIEW

RS-232 | USB | ETHERNET | RS-485

XLR 1/L | +48V | XLR 2/R | +48V | LINE OUT | LINE IN

HDMI Pass-Through
(Direct Output from
HDMI IN 1)

Program Out

Multi-view Onboard
Director Out

Line In & Line Out

Key Features-1

HDMI

Channel 1 — HDMI-1

Channel 2 — Camera (192.168.1.102)

PGM

*3

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.

Key Features-2
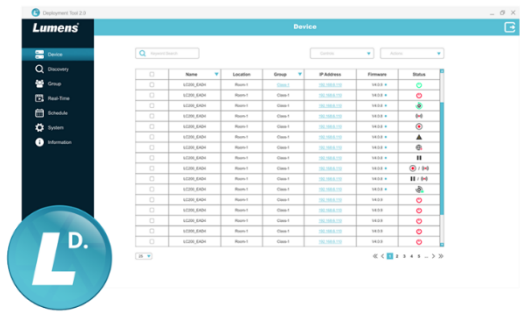
Deployment Tool for Remote Central Management

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

Need a break time during the streaming session? Hit the coffee mark to display the break time page. Users can upload their own designed intermission screen

Competitive Products

	Lumens LC100	Epiphan Pearl Nano	Extron SMP351
B&H Price (USD$)	$3,250	$1,695	$4790
Recording Resolution and FPS	1080p 60fps	1080p 60fps	1080p 30fps
Recording mode	1080p60: 3 files	1080p60: 1 files	1080p60: 1 files
PTZ Camera Control	Yes	NA	NA
Video In	HDMI*2 (HDMI 2.0 *1) 3G-SDI *2 IP Video Source *2 USB 3.0 *1	12G-SDI *1 HDMI *1 IP Stream *1	HDMI *3 3G-SDI *1 (Optional)
HDMI pass-through	Yes	Yes	NA
Audio In	XLR *2 3.5mm Stereo*1 USB Audio *1 IP Audio from RTSP *2	XLR *2 RCA (L/R) *1 USB *1 IP Audio from RTSP or SRT *2	Audio In *2
Storage	Built-in SATA 2TB HDD External: USB 3.0 Storage	SD Card (Up to 512 GB) M.2 (SATA) SSD	Internal 80G SSD
Extension Remote Control Panel	Yes, LC-RC01, up to 30 meter USB extension	USB status light (optional)	Yes, Optional
Warranty	5-year	1-year	3-year

LC-RC01 Remote Control Panel

Accessory

Lumens LC-RC01 remote control panel, a wall plate for the LC100 to control the live streaming, recording, and video file saving options. The panel provides three macro functions that can remotely switch the scene and control the cameras preset. The LC-RC01 can be extended to 30 meters through a Cat 5e cable. Equipped with a USB port, it supports USB flash drives to record or backup video files.

*We provide two Standard remote control panels.

- USB flash drive port
- Macro 1~3: Scene + camera preset
- Copy the latest recording to USB drive
- Start / Stop streaming
- Start / Stop recording

U.S. standard: LC-RC01U

Europe standard: LC-RC01E

How to Control?

LC100 provide below control interface.

1. **Remote control panel**: LC-RC01
2. **Onboard GUI Interface**: Use mouse and keyboard to operate the GUI from Multiview HDMI out.
3. **Online Director**: Webpage
4. **USB or wireless keypad**: one click to record
5. **RS-232, RS-485, TCP/IP control:** Provide command for supporting third-party controller, like Crestron, Extron controllers.

1

Remote Control Panel LC-RC01

2

Onboard GUI with Wireless mouse

3

Web Online Director

4

USB Keypad

5

RS-232

RS-485

RS-232 RS-485
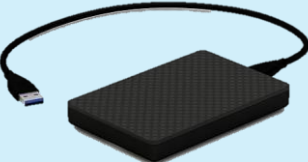
How to Backup Data (1)?

You can install your data in the build in 2TB storage, or if the build in 2TB is too small you can exchange to bigger HaerdDisk, or you can add one external USB storage.

3.5"

2.5"

Built-in 2TB

Exchange SATA Hard Disk Drive (up to XX TB)

External USB Storage (up to XX TB)

How to Backup Data (2)?

The built-in storage space is limited, and the video files must be uploaded to the network storage space automatically, for the user to backup and manage.

FTP

NAS

You can buckup to **LMS** (learning management systems) like **Panopto**, **Kaltura**, and **Opencast**.

You can upload to **NAS** or **FTP/SFTP** server

Lumens Products

Integration

LC100 is a powerful all-in-one Media Processor with HDMI, SDI USB, and Ethernet inputs. The various AV inputs make it easier to connect with all ranges of Lumens cameras. LC100 is compatible with Lumens LC-RC01 Remote Control Panel and Lumens Deployment Tool software. It allows you to remotely manage and control LC100 devices.

Camera

Media Processor

Remote Control Panel

Deployment Tool

Accessory

Software

Third Party Partners

Integration

LC100 successfully integrates with major content management systems, popular streaming platforms, broadcasting software, and stream deck. It provides users with more flexible options to use LC100 with their desired platforms.

Stream Deck

Video Content Management

Streaming Platform

Broadcasting Software