

**Lumens<sup>®</sup>**

**LC100N**

**2-Channel Recorder and Streaming Media Processor  
with NDI<sup>®</sup> | HX support**

**Product Introduction**



# Overview

NDI® | HX



- Color: Black
- TAA Compliant: Yes
- Warranty: 5-Year
- MAP: \$2,799

## LC100N

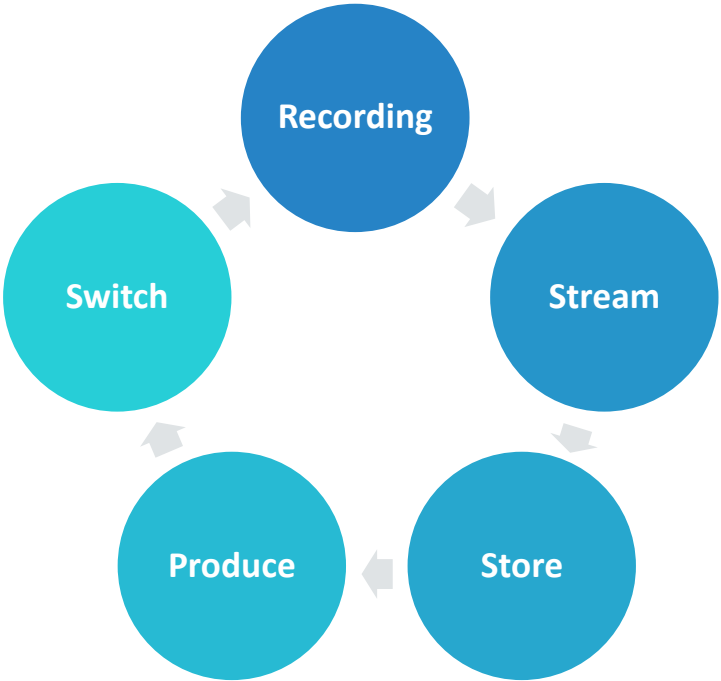
2-Channel

Recorder and Streaming Media Processor  
with NDI® | HX support



# Overview

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



# Product Family

Lumens®



LC100N



LC100

MAP Price(USD\$)	2,799	2,499
Multi-channel video mixing	2 video source	2 video source
Recording Resolution and FPS	1920 x 1080p 60fps	1920 x 1080p 60fps
Support RTSP Network source input	Yes, Lumens IP (RTSP) camera and RTSP source	Yes, Lumens IP (RTSP) camera and RTSP source
Support NDI HX source	Yes, NDI HX2 Camera NDI HX Screen Capture	NA
NDI HX encode	Yes, NDI HX2 (1080p)	NA
Built-in HD	2TB HDD	2TB HDD
Other Streaming Output	RTSP / RTP / RTMP / RTMPS / SRT	RTSP / RTP / RTMP / RTMPS / SRT

Product I/O

# LC100N Front View



Product I/O

# LC100N Back View

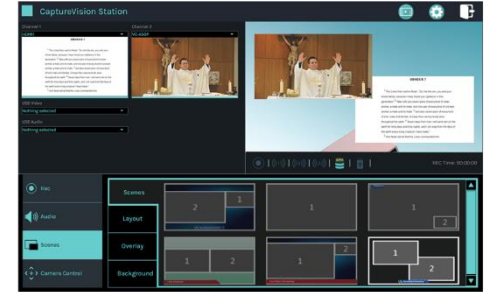


# Key Features



- 2-Channel AV Source Processing
- Simultaneous Recording and Streaming
- NDI<sup>®</sup> |HX, HDMI, SDI, RTSP, USB source inputs
- XLR with Phantom power
- Built-in 2TB HDD storage
- Support NAS and FTP storage

# Selling Point



## NDI<sup>®</sup> |HX Support

LC100N can receive multiple 1080p NDI<sup>®</sup> |HX streams, enabling plug and play network production. The device can also convert HDMI, SDI and USB sources to NDI|HX, allowing the unit to be used as an IP encoder.

## Onboard GUI Director

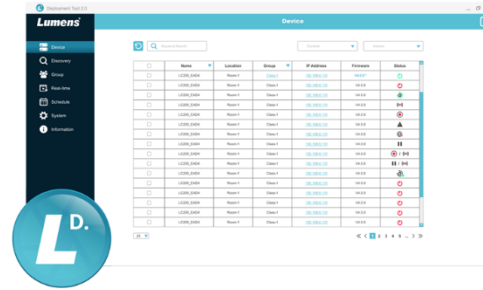
Live control is incorporated into the device. Connect an HDMI screen to the LC100N to access the intuitive GUI. Plugging in a mouse and keyboard turns the device into a live production switcher.

## Live Pre-defined Scenes for Switching

Build layout scenes that help you communicate, such as split screen video, picture-in-picture, title/logo overlays, and background images. Activate and change layouts with the click of a mouse.



# Selling Point



## Program & ISO Recording

The LC100N 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

Lumens deployment software enables control, management, and administration of multiple LC100N units on the network. Administrators can remotely monitor device status, saving time and reducing costs.

# NDI ecosystem

Lumens®



NDI|HX Camera

IP Camera (RTSP/HDMI/SDI/USB)

NDI|HX Screen Capture

Document Camera (HDMI/USB)

Video Sources



**Media Processor LC100N**

**Solution LC100N NPI**

2-Channel HD NDI|HX Recorder and Streaming Media Processor

Video processing such as PIP, add overlay and background.

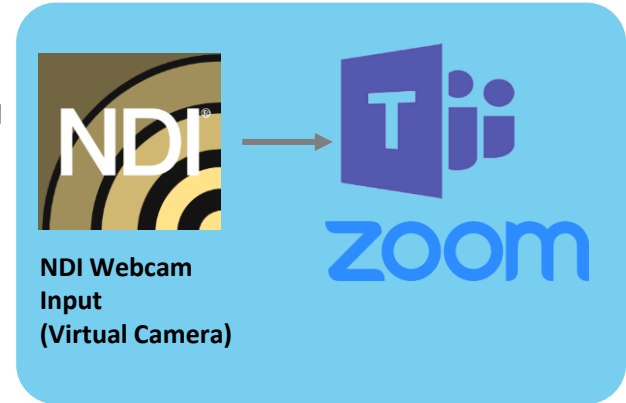
Video mixing and encoder to NDI|HX



NewTek TriCaster

vMix

Video Production



NDI Webcam Input (Virtual Camera)

Zoom

Conference Computer

# Competitive Products (1)

**Lumens**<sup>®</sup>



**Lumens LC100N**



**Epiphan Pearl Nano**



**Extron SMP351**

B&H Price (USD\$)	\$2,799	\$1,695	\$4,790
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 (RTSP, NDI HX2) 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

# Competitive Products (2)



Lumens LC100N



NewTek Capture Cast

MAP Price (USD\$)	\$2,799	\$7,995
Design for Multi-room Recording	No, single room	Yes, <b>3 rooms</b>
Multi-channel Video Mixing	2 video sources	<b>6 video sources</b> (1 room with 2 sources)
Support Network Source Input	NDI HX2, <b>RTSP</b>	<b>NDI HB</b> , NDI HX
IP Camera control	<b>Yes</b>	<b>NA</b>
Video File Export	USB, FTP /FTPS, <b>NAS (CIFS/SMB, NFS)</b>	FTP/SFTP, Dropbox, Google Drive
Video In	<b>HDMI*2 (one HDMI™ 2.0), 3G-SDI*2</b> IP Video*2, USB 3.0 *1	IP Video*6
Audio In	<b>XLR *2, 3.5mm Line In *1</b> <b>HDMI Audio *2, SDI Audio *2</b> <b>USB Audio *1</b> IP Audio (RTSP, NDI HX) *2	IP Audio (NDI)
Video Out	<b>HDMI out*2 , HDMI pass-through *1</b>	<b>NA</b>
Ethernet	1 Gigabit *1	<b>10 Gigabit *1</b> and 1 Gigabit *1
Storage	Built-in: 2TB, <b>External: USB Storage</b>	Built-in: 2TB
Streaming	RTMP / RTMPS, NDI HX2, <b>RTSP / RTP / SRT</b>	RTMP/RTMPS , NDI HX
Extension Remote Control Panel	Yes, up to 30 meter	<b>NA</b>

# Competitive Products (3)

**Lumens**<sup>®</sup>



Lumens LC100N



Datavideo iCast 10NDI

MAP Price (USD\$)	\$2,799	\$2,679
Multi-channel video mixing	2 video sources	4 video sources
Support Network source input	RTSP, NDI HX2	RTMP(S) , SRT, NDI HX2
IP Camera control	Yes	NA
Recording modes	1 mixed + 2 individual original	1 mixed + 5 individual original
Max. Streaming channel number	PGM x 3	PGM x2
Video File Export	USB, FTP /FTPS, NAS (CIFS/SMB, NFS)	NA
Schedule recording	Yes	NA
Support Learning manager system	Panopto, Kaltura, OpenCast	Yes
Video In	HDMI*2 (one HDMI™ 2.0) 3G-SDI*2, USB 3.0 *1	HDMI 1.4 x4, 3G-SDI x1 USB 3.0 x1
HDMI out*2 HDMI pass-through *1	HDMI out*2 HDMI pass-through *1	HDMI Out*2 3G-SDI Out*1, 3G-SDI loop-through
Storage	Built-in: 2TB HDD External : USB 3.0	External: SATA HDD or SSD
Extension Remote Control Panel	Yes, up to 30 meter	NA

# How to Control?

LC100N 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

The image shows two white remote control panels. The larger one is the LC-RC01, featuring buttons for BACK, STREAM, and RECORD. A smaller, similar-looking device is shown next to it.

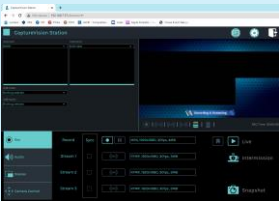
2



Onboard GUI  
with Wireless mouse

The image shows a computer monitor displaying a software interface with multiple video feeds. A wireless mouse is shown next to the monitor. Below the monitor is the Lumens LC100N device, highlighting its front panel controls.

3



Web Online Director

The image shows a screenshot of a web browser displaying the Lumens Online Director interface, which includes various control panels and video feeds.


4



USB Keypad

The image shows a black USB keypad with a cable attached, used for controlling the device.

5



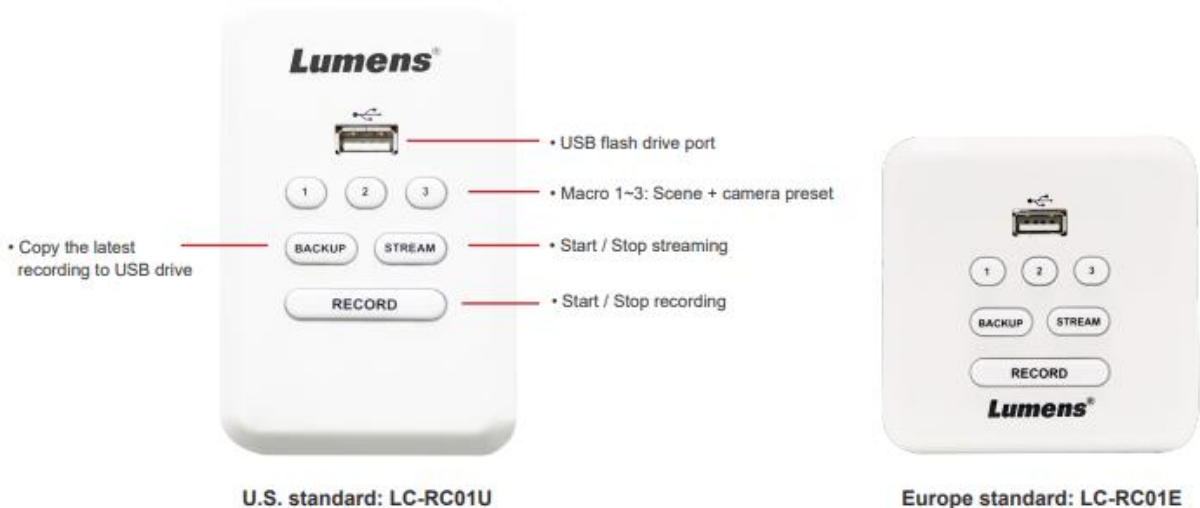
RS-232  
RS-485

The image shows a green terminal block with three ports. A circular icon with 'TCP/IP' and a network symbol is overlaid on the left. The text 'RS-232' is at the top and 'RS-485' is at the bottom of the terminal block.

## LC-RC01 Remote Control Panel

# Accessory

Lumens LC-RC01 remote control panel, a wall plate for the LC100N 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.

### 3 Local Storage Options

# How to Backup Data (1)?

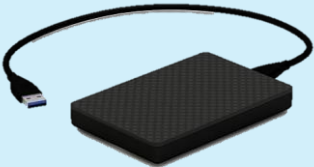
You can install your data in the build in 2TB storage, or if the build in 2TB is too small you can exchange to bigger Hard Disk, or you can add one external USB storage.



**Built-in 2TB**



**Exchange SATA Hard Disk Drive (up to 16 TB)**



**External USB Storage (up to 16 TB)**



## Network Storage

# 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.



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

FTP



NAS



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



## Lumens Products

# Integration

LC100N is a powerful all-in-one Media Processor with HDMI, SDI, USB, NDI|HX, and RTSP inputs. The various AV inputs make it easier to connect with all ranges of Lumens cameras. LC100N is compatible with Lumens LC-RC01 Remote Control Panel and Lumens Deployment Tool software. It allows you to remotely manage and control LC100N devices.



Media Processor



Camera



Accessory



Software

## Third Party Partners

# Integration

LC100N successfully integrates with major content management systems, popular streaming platforms, broadcasting software, and stream deck. It provides users with more flexible options to use LC100N with their desired platforms.

LC100N can be integrated into NDI network because it supports NDI|HX.



Stream Deck



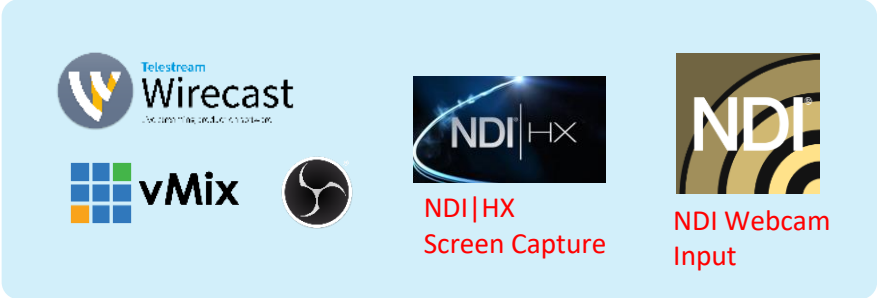
NewTek TriCast



Video Content Management



Streaming Platform



Broadcasting Software