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# LC100N

## CaptureVision System

2-Channel Recorder and Streaming Media Processor with HD NDI HX support



Lumens CaptureVision System LC100N is an all-in-one media processor that enables users to record, mix and stream live. Compatible with Panopto, Kaltura and Opencast, it is ideal for use in lecture capture, streaming worship services, producing corporate training, and live event delivery. Events can be produced live with simple switching between scenes, layouts and sources, with the option of text overlay and logo insert. The system can be controlled live using fascia buttons, the built-in GUI or the network interface. Lumens' deployment tool software facilitates remote management and scheduling of multiple units to centralize system administration.

## Key Features

- 2-Channel Media Processing
- Simultaneous Recording, Live Production and Streaming
- NDI HX2, HDMI, SDI, RTSP and USB inputs
- XLR Audio with phantom power
- Built-in 2TB HDD storage
- Supports for NAS and FTP storage

## NDI HX2

Convert HDMI, SDI and USB sources to NDI HX



## NDI HX Support

LC100N can receive multiple 1080p NDI 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.



## 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.





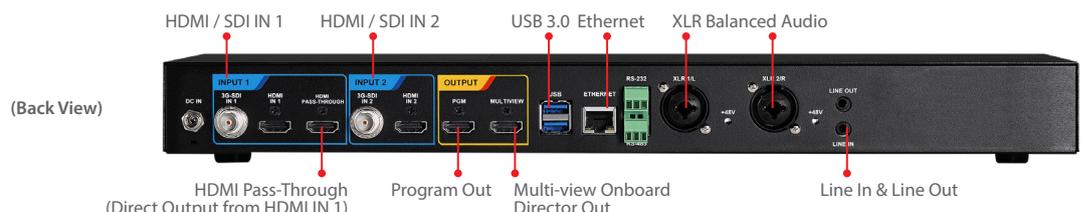
## Product Specifications

Video Input	
<b>Number / Signal</b>	2* HDMI (HDCP Compliant) 2* 3G-SDI
<b>Connection</b>	Female HDMI Type-A / 3G-SDI
<b>Resolution Range</b>	HDMI Input 1: 720p~2160p 60fps, 1920x1200(RB) Others: 720p~1080p 60fps
<b>IP Source / USB Camera</b>	Lumens IP PTZ / Box Camera NDI HX2 Source (1080p 60/30fps) RTSP Source (H.264 1080p 60/30fps) USB Camera (MJPEG 1080p 30fps)
Video Processing	
<b>Video Compression</b>	H.264 / AVC 4:2:0 8bit color Encoding Profile: High, Main, Baseline
<b>Bitrate</b>	200 kbps to 10 Mbps
Video Output	
<b>Number / Signal</b>	3* H.264 / AVC Digital Video over Ethernet 2* HDMI Digital Video 1* HDMI Pass-through (Up to 4K)
<b>Scaled Resolution</b>	1080p
<b>Frame Rate</b>	30 / 60 fps
Recording and Storage	
<b>Internal Storage</b>	2TB HDD
<b>External Storage</b>	4* USB 3.0 Port
<b>File Type</b>	H.264 and AAC in an MP4 container, JPEG
<b>Resolution</b>	360p / 720p / 1080p
<b>Frame Rate</b>	Max. 1080p 60/30 fps
Audio Input	
<b>Number / Signal</b>	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), NDI HX2, 16K/44.1K/48K) Support UAC
Audio Processing	
<b>Compression</b>	AAC-LC

Audio Output	
<b>Number / Signal</b>	1* Stereo, Unbalanced 3.5mm Phone Jack 2* Stereo, Digital De-embedded Audio from HDMI
Communication	
<b>USB</b>	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
<b>Serial Control</b>	RS-232 / RS-485 Port
Ethernet	
<b>Ethernet Host Port</b>	1* Female RJ-45 10/100/1000 Base-T High / Full Duplex
<b>Streaming Protocol</b>	Pull: RTSP, NDI HX2 Push: RTMP / RTMPS / MPEG-TS / SRT TCP / UDP / HTTP DHCP Client
Functions	
<b>Support IP Sources</b>	Lumens IP Camera, RTSP, NDI
<b>Scenes Switch</b>	Yes, preset for layout, background and overlay
<b>Layout Switch</b>	Yes ( Single, PIP, and PBP)
<b>Background Switch</b>	Yes
<b>Overlay</b>	Yes, PNG overlay or system time overlay
<b>File Backup</b>	FTP / SFTP / NAS(CIFS/SMB, NFS) / WebDAV / Copy to USB Flash Drive
<b>Content Management Systems</b>	Panopto / OpenCast / Kaltura
General	
<b>Power Supply</b>	DC In , 12V / 3A
<b>Power Consumption</b>	30W
<b>Dimensions (W x H x D)</b>	Standard 1u rack 17" x 1.9" x 8.5" (432 x 49.4 x 218mm)
<b>Weight</b>	5.3 lbs (2.4 Kg)



## I/O Connections



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