



NDI HIGH
BANDWIDTH



LC300

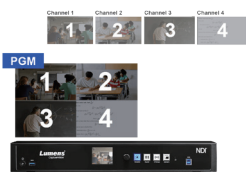
CaptureVision System

4-Channel Recorder and Streaming
Media Processor with UltraHD and NDI

Lumens LC300 is a powerful 4K multi-channel media processor with HDMI, IP and NDI connectivity. As a lecture capture system, live event switcher or multi-purpose AV device, the LC300 delivers video mixing, recording, encoding, decoding and live streaming.

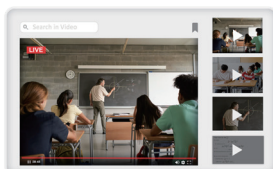
Key Features

- Supports 4 video and 7 audio channels
- HDMI, USB, SDI, IP, NDI High Bandwidth, NDI HX2 and NDI HX3 inputs
- HDMI, USB, IP and NDI High Bandwidth outputs
- USB Output (UVC/UAC) for use in video conferencing
- Dual Ethernet ports for WAN and LAN integration



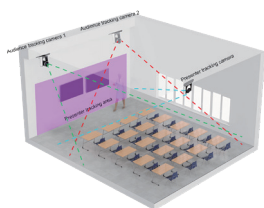
Flexible Encoding Performance

LC300 can encode four inputs at 1080 50/60P as well as the program output. This gives it powerful recording and streaming capabilities, making it well suited for multi-camera productions, interactive media, evidential archiving and enriched digital learning.



Multiple Screen Select

Outputting multiple streams simultaneously, LC300 can work with immersive video platforms. This allows the viewer to control their viewing angle, to focus on a particular presenter, or to switch to a media presentation in real-time.



Intelligent Director (Automated Production)

Intelligent Director automates production, whether it's in a meeting room, class room, lecture hall or conference center. This function recognizes the behavior of the presenter and the audience and intelligently changes the camera angle to deliver a TV-like experience. AI-powered, the LC300 works in tandem with Lumens selected tracking cameras to create a multi-angle production without the need for a video crew.

NDI

Convert HDMI, SDI and USB sources to NDI



NDI Eco-system

LC300 can serve as a video source switcher in an NDI eco-system, or an AV bridge that converts NDI with HDMI or USB out. It can also push video and audio to multiple streaming platforms at the same time.



Friendly Director User Interface

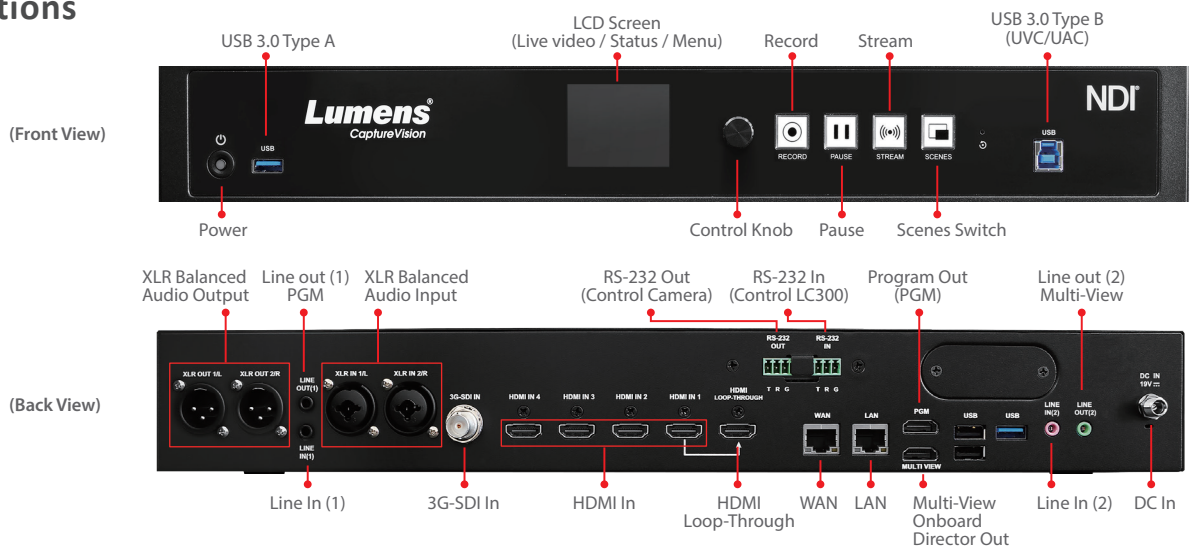
LC300 is feature-rich and capable of producing stunning results. The device can be managed and controlled locally or remotely, and in conjunction with third-party applications such as Panopto and Kaltura. The local interface available via HDMI is slick and highly visual, giving previews of every source, mix effects and titles, as well as the program output.



Product Specifications

Video Input		Audio Output	
Number / Signal	HDMI 2.0 x1 HDMI 1.3 x3 3G-SDI x1	Number / Signal	XLR, Balanced Audio, Line Out x2 Stereo, Unbalanced 3.5mm Phone Jack x2 Stereo, Digital De-embedded Audio from HDMI x2 USB (UAC) x1
Connection	Female HDMI type-A / 3G-SDI	Communication	
Resolution Range	HDMI Input 1: 720p~2160p 60fps, 1920x1200(RB) HDMI Input 2~4 and 3G-SDI: 720p~1080p 60fps	USB	USB 2.0 Type A x2 USB 3.0 Type A x2 Support USB Storage, USB Camera, USB Mic. USB Mouse, Keyboard, HID Touch Display USB 3.0 Type-B (UVC / UAC) x1
IP Source / USB Camera	Lumens IP PTZ / Box Camera NDI High Bandwidth, NDI HX2, NDI HX3 Source RTSP Source (HEVC(H.265) / H.264) USB Camera (MJPEG 1080p 30fps)	Serial Control	RS-232 In /RS-232 out
Video Processing		Ethernet	
Video Compression	HEVC(H.265) / H.264 / AVC 4:2:0 8bit color Encoding Profile: High, Main, Baseline	Ethernet host port	Female RJ-45 x2 10 / 100 / 1000 Base-T High / Full Duplex
Video Output		Streaming Protocol	Pull: RTSP / NDI High Bandwidth Push: RTMP / RTMPS / RTP / SRT TCP, UDP, HTTP DHCP Client
Number / Signal	HDMI x2 HDMI Loop-through x1 UVC (up to 1080p) x1	Functions	
Scaled Resolution	2160p / 1080p	Support IP Sources	Lumens IP Camera, RTSP, NDI
Frame Rate	60 / 50 / 30/ 25 fps	Scenes switch	Yes (Preset for Layout, Background, and Overlay)
Monitor	2 inch color LCD screen	Layout switch	Yes (Single, PIP, PBP, 3 and 4 windows layouts)
Recording and Storage		Background switch	Yes
Internal Storage	4TB HDD	Overlay	Yes (PNG Overlay)
External Storage	USB Storage	File backup	FTP / SFTP / NAS(CIFS / SMB, NFS)/ WebDAV / USB Storage
File Type	H.264 / HEVC(H.265) and AAC in an MP4 container, JPEG	Content Management Systems	Panopto / OpenCast / Kaltura
Resolution	2160p / 1080p / 720p / 480p / 360p	General	
Frame Rate	Max. 60 fps	Power supply	DC In , 19V / 6.8A
Audio Input		Power consumption	130W
Number / Signal	Line In (Stereo Unbalanced Audio, 3.5mm Phone Jack) x2 Combo (XLR / TRS, Balanced Audio, Line in/ Mic in, Sup- port +48V Phantom Power) x2 IP Audio Source (RTSP(AAC-RAW), NDI, 16K / 44.1K / 48K) Support UAC	Dimensions: (WxHxD)	Standard 1.5U rack 16.6" x 8.48" x 2.58" (422 x 215.5 x 65.5 mm)
Audio Processing		Weight	7.72 lbs (3.5 Kg)
Compression	AAC-LC		

I/O Connections



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