

LC200 CaptureVision System

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Lumens CaptureVision System LC200 is an innovative media processor that allows you to record and create live streaming by mixing, encoding, and switching up to 4 HDMI or 3 IP video sources, and 4 audio sources. The LC200 can backup video files to a content management server or stream to most cloud video servers. It is applicable for use in education, corporate, government, healthcare, house of worship, and other applications.

Key Features

- Supports 1080p 60/30fps recording.
- Supports 4 HDMI Inputs and IP video sources including Lumens IP Cameras, NDI|HX Camera, and standard RTSP streams.
- Flexible scaling and window processing, supports PIP, PBP and up to 4 windows layout and mixing.
- Advanced Scenes Switch.
- Supports HDMI-embedded audio or analog stereo audio with 4 channels Audio Input mixing and gain control.
- Built-in 1TB HDD storage.



Product Interface

Front Side View

One Touch Record and Stream

Start / Stop recording, streaming and snapshot.

Layout / Source Switch

Single, PIP, PBP...layouts switch, select the source for each window, and customized scene switch.



USB 3.0 for Storage

Front-panel USB port makes connecting a portable storage device easy for recording directly to a USB and easy for carry. It supports by copying a video file to a USB flash drive.

Back Side View

Analog stereo audio Input

Supports 4 analog stereo audio (3.5 mm phone jack) for line in and MIC in.

Line Out

3.5mm phone jack line out for live audio mix monitoring.



HDMI Input

Supports 4 full HD HDMI video inputs and HDMI-embedded audio.

HDMI Output x2

One Program (mixed video) and one Multi-view (GUI) interface output to display.

USB 2.0

Supports USB Mouse and Keyboard for the GUI interface operations.

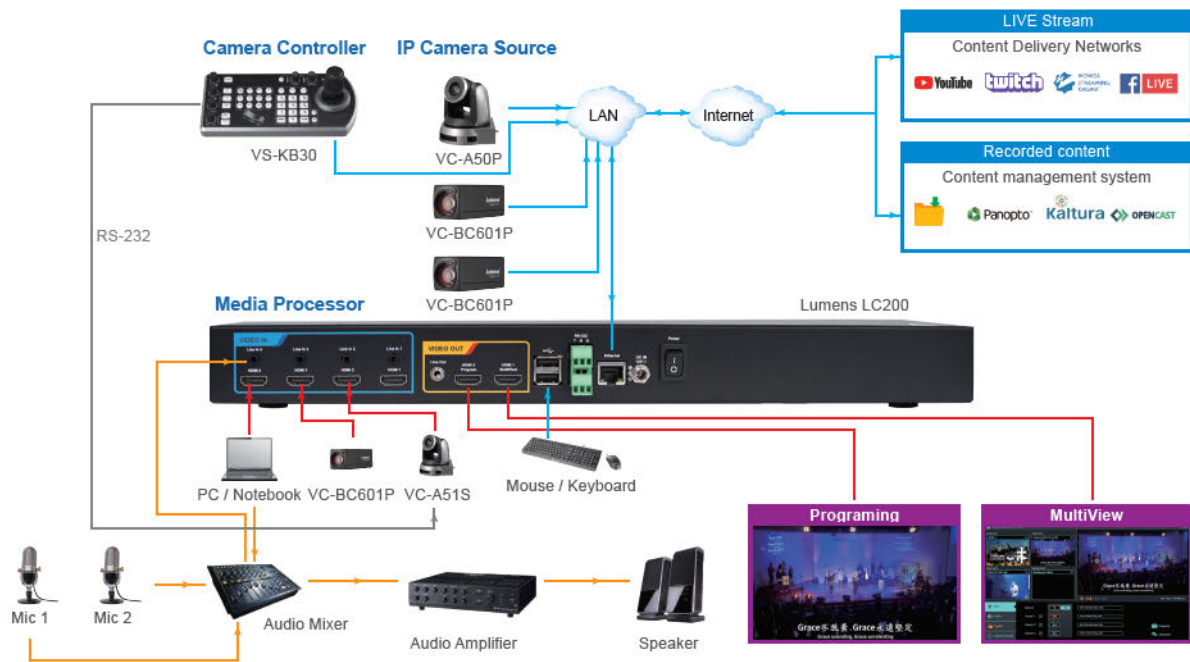
RS-232/RS-485 serial port

Control and manage the LC200 from the AV control system.

Ethernet

Ethernet port allows to receive video streaming from the IP source, stream transport and transfer storage directories. It also supports embedded web interface and AV control systems.

Live Streaming Diagram Example



Product Specifications

| INPUT | |
|-----------------------|--|
| Number/signal | 4 HDMI digital video |
| Connection | 4 female HDMI type-A |
| IP Source | IP PTZ / Box Camera NDI HX Camera RTSP Source (H.264 1080p 60 / 30fps) |
| VIDEO PROCESSING | |
| Video Compression | H.264 / AVC 4:2:0 8bit color Encoding profile: High, Main, Baseline |
| Bitrate | 200 kbps to 10 Mbps |
| VIDEO OUTPUT | |
| Number/signal | 3 H.264 / AVC digital video over Ethernet 2 HDMI digital video |
| Scaled resolution | 1080p |
| Frame rate | 30 / 60 fps |
| RECORDING AND STORAGE | |
| Internal storage | 1TB HDD |
| External Storage | 1 USB 3.0 port in front panel |
| File Type | H.264 and AAC in an MP4 container, JPEG |
| Resolution | 480p, 720p, 1080p |
| Frame rate | Max. 1080p 60 / 30 fps |
| AUDIO INPUT | |
| Number/signal | 4 Line In/MIC In (stereo, 3.5mm phone jack) 4 stereo, digital de-embedded audio from HDMI |

| AUDIO PROCESSING | |
|--------------------|--|
| Compression | AAC-LC |
| AUDIO OUTPUT | |
| Number/signal | 1 stereo, unbalanced 3.5mm phone jack 2 stereo, digital de-embedded audio from HDMI |
| COMMUNICATION | |
| USB | 2 rear panel USB 2.0 type A Supports USB mouse, keyboard |
| Serial control | RS-232/RS-485 port |
| Ethernet | |
| Ethernet host port | 1 female RJ-45 10/100/1000 Base-T high/full duplex |
| Streaming Protocol | Pull: RTSP Push: RTMP / RTMPS TCP, UDP, HTTP HDCP Client |
| GENERAL | |
| Power supply | DC In , 12V / 2A |
| Power consumption | 24W |
| Dimensions | Standard 1u rack dimensions 122.5mm(L) x 431mm (W) x 44.3mm (H) |
| Weight | 1.2 Kg |

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