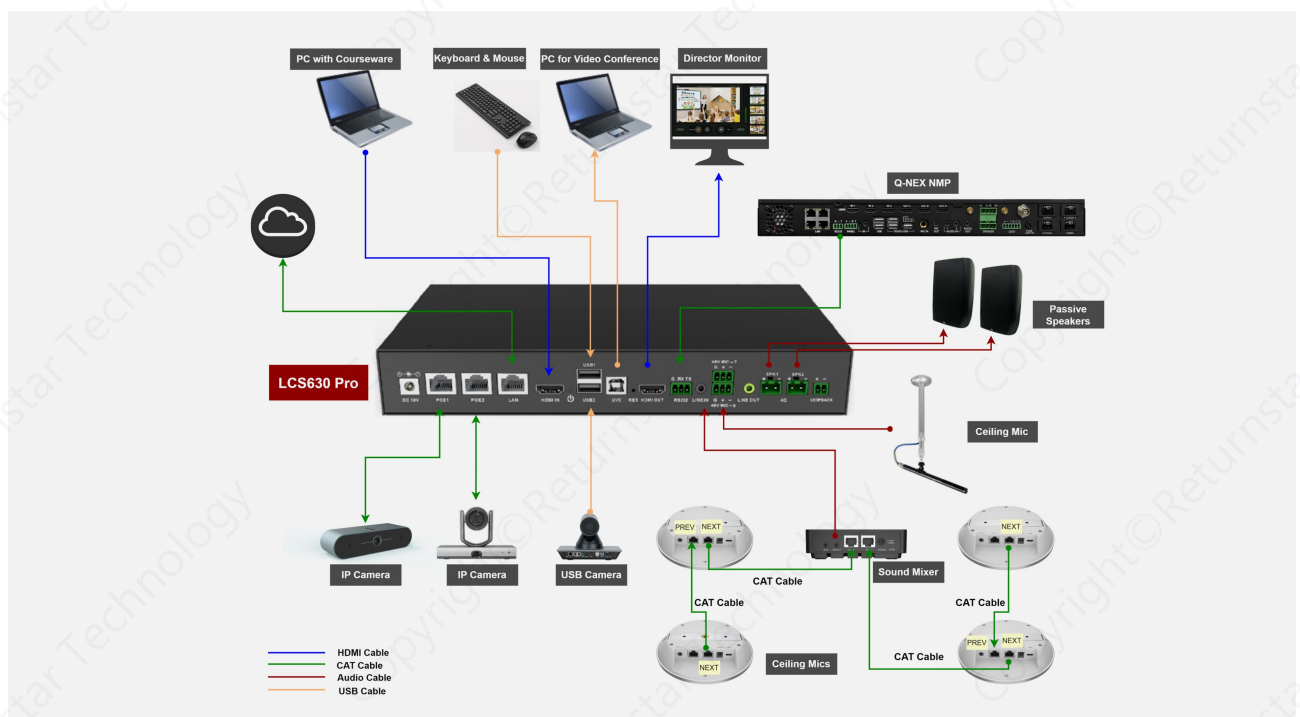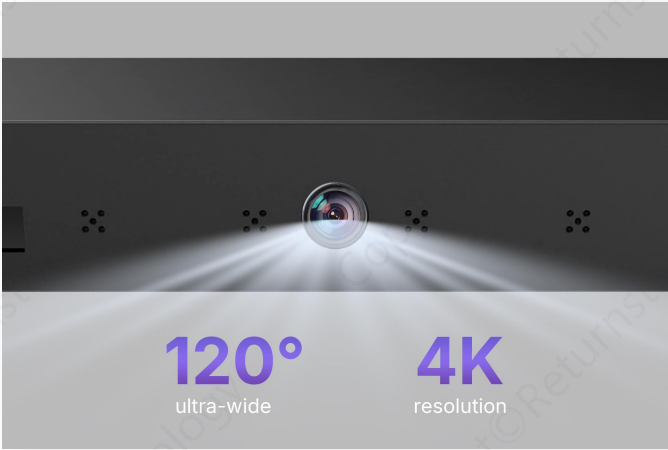# IQVideo
LCS630 PRO

IQVideo LCS630 Pro is an all-in-one intelligent lecture capture system with compact design, easy installation, and user-friendly interface, the LCS630 Pro offers seamless audio-visual solutions tailored to various application scenarios. From smart classrooms, hybrid learning classrooms, to meeting rooms, this system delivers a comprehensive, integrated solution for professional recording and live streaming.

System Topology Diagram

Features

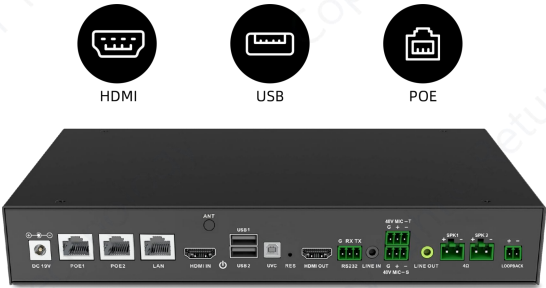**120°** ultra-wide   **4K** resolution

All-in-One Lecture Capture with Integrated UHD Camera

The LCS630 Pro combines a powerful built-in 4K camera and multifunctional recording capabilities into a single device. Featuring an ultra-wide 120° field of view and 4K resolution, it supports multiple video resolutions to suit different needs, ensuring crystal-clear recordings for any educational or corporate setting.

Diverse Video Input Options

The system supports HDMI, USB, PoE ports, etc, for video input, allowing users to connect cameras and other devices with resolutions up to 3840x2160. This flexibility ensures seamless integration with various setups and upgrade.

HDMI   USB   POE

Large Storage Capacity

Equipped with a 2TB SSD and the ability to upgrade to larger drives, the LCS630 Pro provides ample storage for extended recordings, making it ideal for long-duration events or classes, thus reducing frequent manual operations.

Seamless UVC Support

With built-in UVC support, the LCS630 Pro offers plug-and-play convenience, allowing easy connection via USB with driver-free. This ensures easy integration with third-party online teaching or conferencing platforms like Zoom and Microsoft Teams, making lecture recording and online teaching more flexible and efficient, allowing teachers to focus on delivering engaging lessons without worrying about complex setup procedures.

USB

Advanced Live Streaming Capabilities

The LCS630 Pro supports RTMP and HLS protocols for live streaming to multiple platforms. It allows simultaneous streaming of main and auxiliary streams, providing users with flexible broadcasting options, allowing both on-site and online students to engage in real time, enhancing the accessibility of educational content across various platforms.

Built-in Power Amplifier for Clear Audio

The LCS630 Pro is equipped with built-in power amplifier that supports two 4Ω stereo output channels with a total power output of 80W. Whether for local sound amplification in the classroom during in-person teaching or for enhancing audio during online lessons, this feature ensures clear and powerful sound for all participants, improving both in-class and remote learning experiences.

Easy Installation and Deployment

The LCS630 Pro is designed for quick and hassle-free installation, making it ideal for classrooms, lecture recording classrooms, and meeting rooms. With PoE compatibility, it minimizes cable clutter and simplifies the setup process. IT administrators can deploy and configure the system with minimal effort, ensuring seamless integration into existing AV and network infrastructures.

Reliable Long-Duration Recording

Designed for stability, the system supports 24/7 operation with features like scheduled recording, power-on auto-recording. This is especially beneficial in educational settings where lectures may need to be captured and shared across time zones or for later review by students, providing consistent and reliable lecture capture for hybrid classrooms.

Specifications

Models	LCS630 PRO
System	
Operating System	Linux
CPU Core	4 cores
Operating Memory	2G
Storage	2TB (supports larger capacity storage replacement)
Supported Protocol	HTTP, UDP, TCP, HLS, RTMP, RTSP, ONVIF, WEBSOCKET, FTP, NTP, DHCP
Video	
Video Encoding	H.264，H.265
Video Input Resolution	3840×2160P@60,3840×2160p@30,1920×1080p@60,1920×1080p@30,1600×1200P60,1680×1050p@60,1600×900P60,1440×900P60,1280×1024p@60,1280×960p@60,1280×800p@60,1280×720p@60,720×480p@60,640×480p@60
Video Output Resolution	3840×2160, 1920×1080
Video Output Format	MP4, TS, MOV
Video Bitrate	512kbps~20480Kbps adjustable
Recording Rate Control	CBR,VBR,AVBR,QVBR,CVBR,FIXQP,QPMAP
Video Encoding Frame Rate	25 ~ 60fps
Streaming Format	RTMP, RTSP, HLS
Video Streaming Bitrate	512kbps~20480Kbps adjustable
Streaming Frame Rate	25 ~ 30fps
Camera	
Effective Pixel	8.46MP
Sensor Module	1/2.8"CMOS sensor
FOV	≥110°
Shutter Speed	1/30 ~1/10000s
Noise Reduction	Support 3D noise reduction
Audio	
Compression Standard	AAC
Compression Bitrate	32~192Kbps adjustable
Power Amplifier	2x 4Ω 40W output power, with a total output of 80W
Interfaces	
Video Input	1 x HDMI, 3 x RTSP or ONVIF network video streams, 2x USB
Video Output	2 x HDMI, 1 x UVC
Audio Input	1 x 3.5mm LINE IN, 2 x Phoenix 48V MIC, 1 x HDMI IN

Audio Output	1 x 3.5mm LINE OUT, 1 x HDMI OUT, 1 x UAC audio output, 2 x SPK OUT
Network Interface	1 x RJ45: 10/100Mbps self-adaptive
	2 x RJ45: 10/100/1000Mbps self-adaptive, support PoE(802.3af/at)
COM Interface	1 x Phoenix RS232
USB Interface	2 x USB Type-A , 1 x USB Type-B
Power Interface	1 x DC power socket, inner diameter 2.5mm, outer diameter 5mm

Power

Input Power	DC 19V
Maximum Power Consumption	3840×2160,1920×1080
Standby Power Consumption	<2W

Operating Environment

Storage Temperature	-10°C~+50°C
Storage Humidity	90%RH
Operating Temperature	0°C~50°C
Operating Humidity	70%RH

Physics

Installation Method	Wall mount
Color	Black
Material	Sheet metal SGCC
Dimensions	255mm(W) x 140mm(D) x40mm(H)
Packaging	Carton
Net Weight	Approximately 1 Kg

*Specifications are subject to change without notice. *All dimensions±1cm.