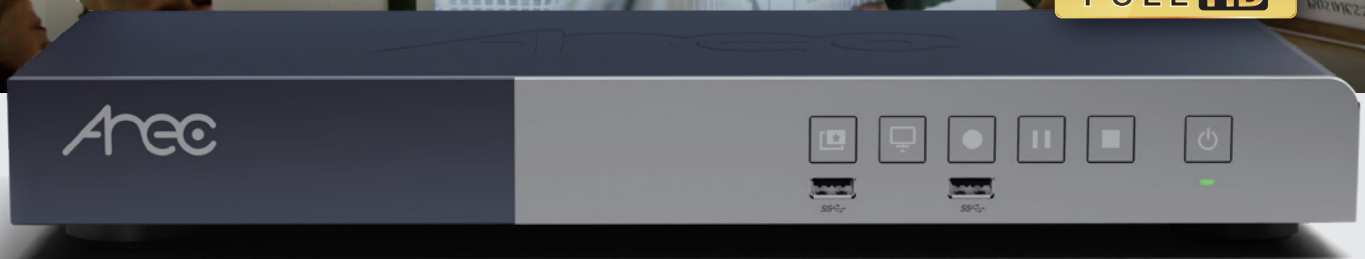




LS-210F Media Station



1080p
FULL HD



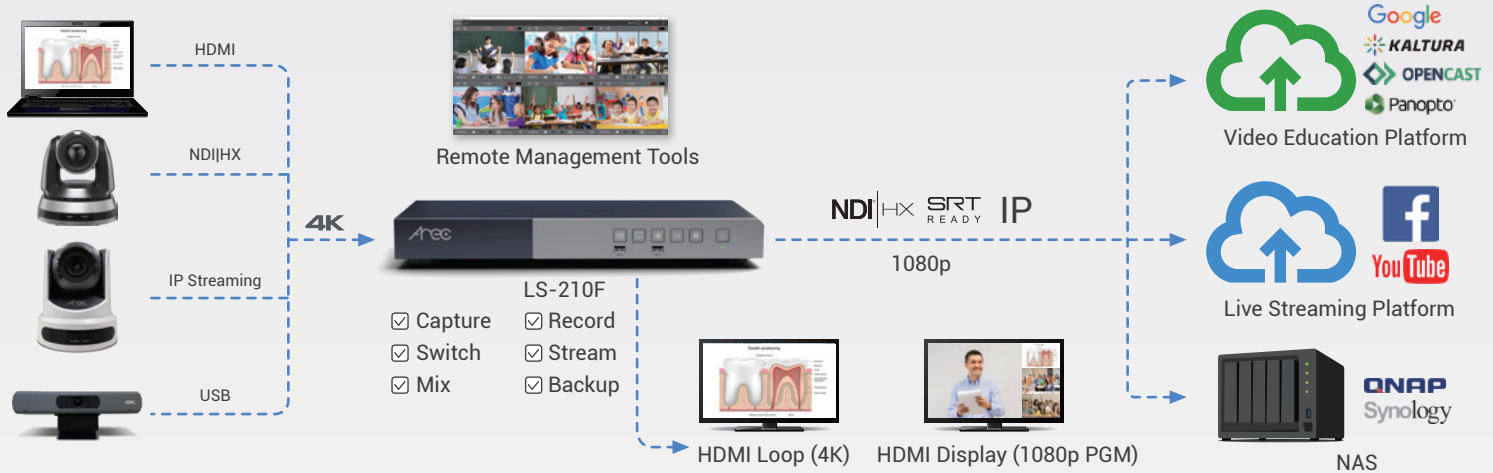
NDI|HX **SRT**
READY

- All-in-One Device to Offer 2CH FHD Video Sources Capturing, Mixing, Switching, Recording, and Live Streaming
- Supports USB Audio and Video Input Devices
- PGM Recording up to 1080p FHD 60fps with 2TB Internal Storage
- Supports NDI|HX and SRT Streaming Protocols

Main Features

Capture Up to 2 Video Sources From a Variety of Options

AREC LS-210F Media Station Series offers diverse connectivity options through HDMI, RJ-45, and USB interfaces. Depending on the model, the station supports up to 2 Full HD video sources for capturing, mixing, switching, recording, streaming, and backup. The series is compatible with network-based H.264 / H.265 (HEVC) RTMP / RTMPS / RTP / RTSP / SRT and NDI|HX video sources. In terms of audio, the series supports HDMI, 3.5 mm stereo audio, Phoenix balanced audio, USB, and NDI|HX.

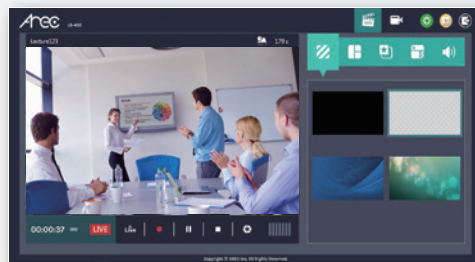


Intuitive and Versatile Control Options

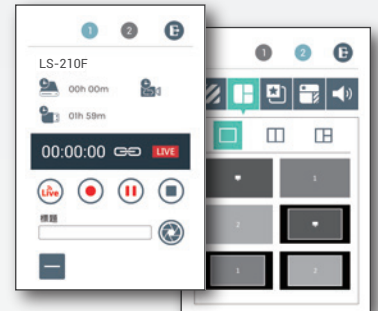
AREC LS-210F supports a wide range of control options, including web-based Online Director (Chrome, Edge), touch-friendly Graphical User Interface, Mini Controller for mobile devices, physical control buttons, and RS-232 / TCP commands.



On-screen GUI with mouse/ touch USB control



Web/ SW-based Online Director

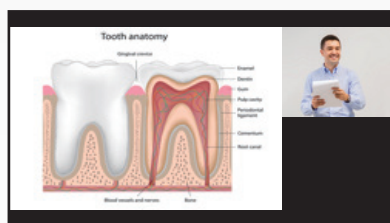


Mini Controller from Mobile Devices

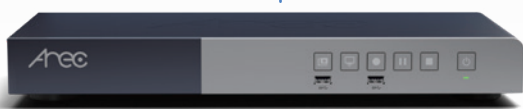
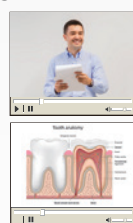
AV Recording with Metadata

LS-210F provides flexible recording options, allowing users to choose between Mixed Mode (PGM recording) or Mixed + individual input sources recording mode, depending on model. Recorded files include not only video content, but also metadata, keynotes, and thumbnails. Available APIs make it easy to integrate data with CMS / LMS and central control systems.

• Mixed Mode



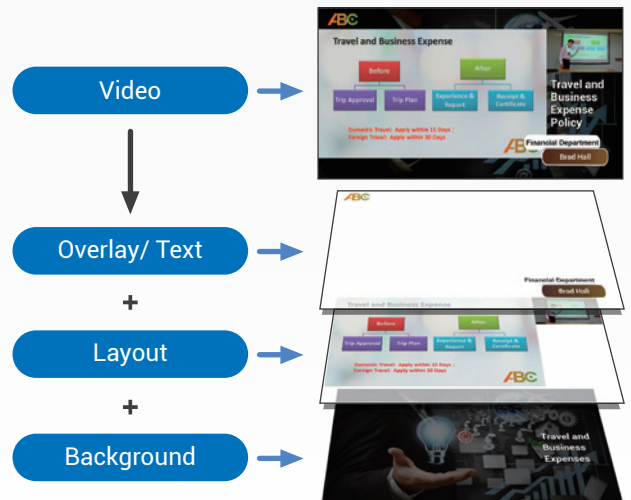
• Original Sources Mode



Mixed Mode Recording for LS-210F

Real-Time Assistant in Video Making

LS-210F streams mixed video to up to 2 platforms simultaneously, such as YouTube, Facebook, and other live broadcasting websites. AREC inbuilt tools such as Online Director allow users to control video recording and streaming in real time. Users can easily switch and mix different sources, add or remove logos, backgrounds, overlay graphics, and text titles for live production.



Backup & Upload Your Recordings

LS-210F can save hundreds of hours of recorded videos thanks to its internal 2TB hard drive. To increase security and user convenience, the station can automatically back up and upload recordings to AREC Media Center, FTP, SFTP, NAS, Google Drive, Open-cast, Kaltura, Panopto, and other kinds of servers.

Management APP and Integration API

AREC's hardware system is further enhanced through software tools and API support for more flexible and efficient deployment. To simplify the management of multiple devices, AREC provides the Station Manager software. AREC also offers NAS VOD software, a user-friendly solution that makes video content sharing easier for small to medium-sized organizations.

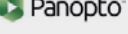


SATA 2TB HDD



FTP/ SFTP Backup



* Users will need to have a valid account on Opencast, Panopto, or Kaltura to use these platforms together with the LS-210F.



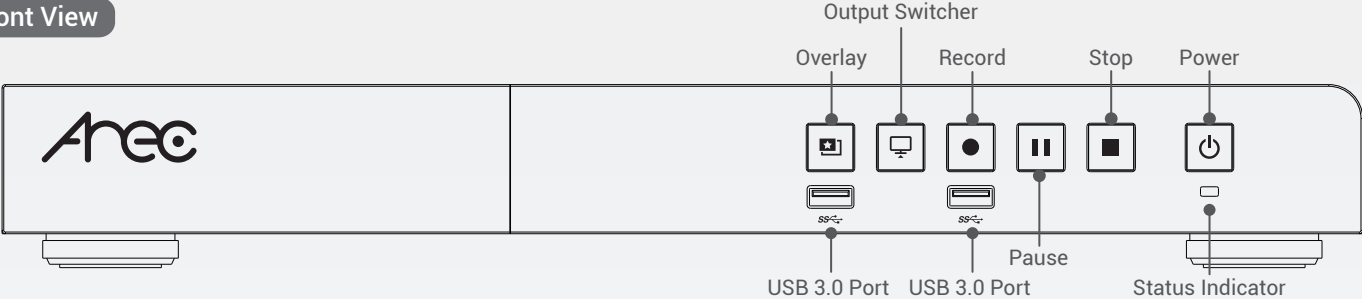


NAS VOD

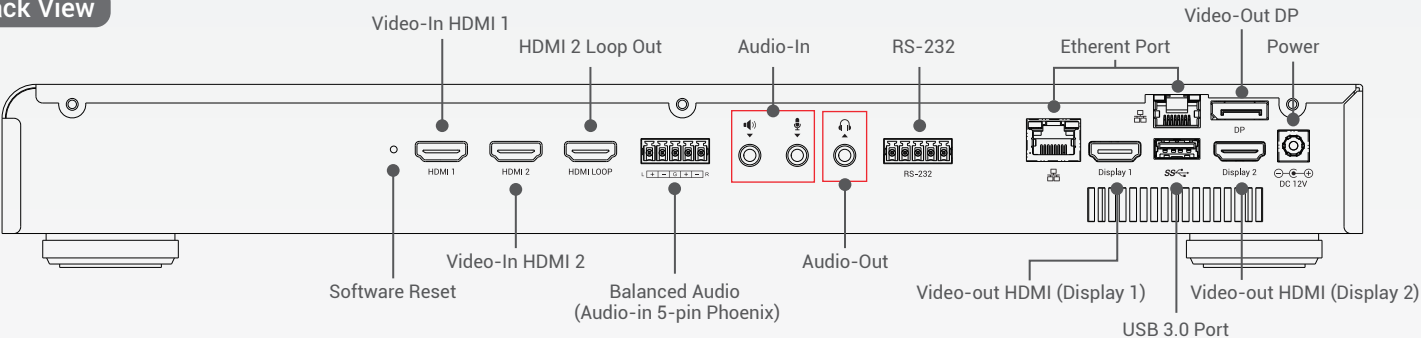
Station Manager

Product Interface

Front View



Back View



On-Screen Graphical User Interface



- 1 Overlay Images
- 2 Recording Layouts
- 3 Background
- 4 Custom Theme
- 5 Timer
- 6 Start / Stop Streaming
- 7 Start / Stop Recording
- 8 Snapshot
- 9 Playback Video
- 10 Setting
- 11 Camera Control
- 12 LS-210F IP Address
- 13 Audio Volume Bar
- 14 HDMI Display
- 15 DP Display

* The on-screen GUI supports mouse and touch control through USB.

Specifications

Model Name	AREC LS-210F Media Station
Input Connection	
Video Input Interface	• 2 x HDMI • 2 x RJ-45 (Supports network cameras or IP streaming : up to 4 channels)¹ • 3 x USB (UVC) Note 1: Supports network H.264/ H.265 (HEVC) protocol: RTMP/ RTMPs/RTP/RTSP, NDI HX, SRT(push). The RJ-45 ports can support AREC network cameras, compatible with 3rd party network cameras, encoders, streaming sources via IP streaming
Max. Video-In Channels	LS-210F : Maximum 2-channel synchronized recording
Resolution Range	• HDMI: 480i~2160p60 • RTMP/RTMPs/RTP/RTSP Max.: 2160p30 • USB(UVC) Max.: 2160p30
Audio-In Channels	• 1 x 3.5mm Stereo Mic in • 1 x 3.5mm Stereo Line in • 2 x HDMI • 1 x Balanced audio-in with a 5-pin Phoenix connector • 1 x USB (UAC) • 2 x RJ-45¹ (Supports digital audio inputs) Note 1: Supports network protocol: RTMP/RTMPs/RTP/RTSP, NDI HX, SRT(push)
Video Processing	
Compression	H.264/ H.265 (HEVC)/ AVC
Frame Rate	Full HD: Max. 60fps
Bit Rate	300Kbps~32Mbps
Resolution	Max. 1080p (640x360 ~ 1920x1080)
Audio Processing	
Compression	AAC-LC
Bit Rate	80Kbps~320Kbps
Video / Audio Outputs	
Video Outputs	• 1 x HDMI for loop out (Max. 4K UHD, HDMI 2 loop through) • 1 x HDMI for preview (Max. 1080p, PGM with graphic user interface) • 1 x HDMI for display (Max. 1080p, single-source or multi-source monitoring or PGM) • 1 x DP for display (Max. 1080p, single-source or multi-source monitoring or PGM) • 1 x RJ-45¹ (digital video over Ethernet) Note 1: Supports network protocols: H.264 / H.265 (HEVC) RTMP / RTMPs / RTP / RTSP, NDI HX, and SRT (push).
Audio Outputs	• 1 x 3.5mm Stereo Line out • 2 x HDMI • 1 x DP • 1 x RJ-45¹ (digital video over Ethernet) Note 1: Supports network protocols: RTMP / RTMPs / RTP / RTSP, NDI HX, and SRT (push)
Streaming Parameters	
Streaming Delay	1 sec.
Compatible Streaming Input Protocols	RTSP, RTP, RTMP (RTMPs), NDI HX, SRT
Streaming Output Protocols	RTP, RTMP (RTMPs), RTSP, NDI HX, SRT Note: 1. Users can choose output options from RTP or RTMP(RTMPs) 2. RTP : MPEG2-TS over RTP unicast; MPEG2-TS over RTP multicast 3. RTSP (TCP/ UDP): Max 6 clients (RTSP streams can only pull from URL)
Storage, Backup, and Compatibility	
Built-in Local Storage	2TB 2.5" SATAIII Hard Drive
External Storage	Supports USB drive recording. NAS storage is also supported
Locally Stored File Format	MP4
Backup	FTP/ SFTP/ Google Drive
Third-Party Video Management System	Compatible with Opencast, Panopto, and Kaltura

Recording	
Recording Modes	Mixed mode; Mixed + individual original sources (depending on model)
Scheduled Recording	Yes, supports iCalendar format (.ics file), such as Google Calendar, Opencast, Panopto, and Kaltura
Recording Layouts	Supports default layouts that can be adjusted by Layout Editor software
Bookmark	Automatic and manual bookmark insertion
Background Images	Supports up to 10 default and user-uploaded images
Onscreen Overlay Images	Supports up to 20 default and user-uploaded images
Text Title	Text can be added manually via the built-in web interface
Custom Themes	Supports up to 50 themes can be created and adjusted
Live Broadcasting	
Live Broadcast to CDN or Stream Server	Mixed video: supports RTMP (RTMPs) protocol. Streams up to 2 platforms simultaneously
Video Information Editing	
Post Video Info Editing	Yes, through the Video Manager web page
Video Info Adding	Video information will be added to the video automatically when the station finishes outputting or uploading it
Controls of LS-210F and Network Cameras	
Touch Interface	Through recommended touch screen and interactive projector
Mouse Device and Numeric Keypad	Through USB interface connection
Video Switcher	Yes, through web-based AREC Online Director or on-screen GUI for manual controls
Mini Controller	Through mobile web browser and wireless connection for manual controls
External Control	Yes, supports RS-232 interface port
Control Buttons	Yes, at the front of the media station
Video Manager Platform	Built-in video manager platform: through web-based control interface
Group Management	Yes, through Station Manager
Camera Control	VISCA / PELCO-D / PELCO-P / VISCA over IP / ONVIF Profile S / NDI®
General Information	
Operation System	Embedded Linux system
Power Supply	12V/ 3.34A/ 40W
Temperature / Humidity	0~40°C/ 90%
Dimension	401.4 mm(L) x 167.4mm(W) x 54mm(H)
Weight	2.25kg (5 lbs)
Language	SC/ TC/ English/ Russian/ Spanish/ Czech/ Korean/ Latvian/ German/ Estonian
Accessories	Power adapter/ quick guide/ ear mounts/ USB numeric keypad



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 Please contact your sales representative for further confirmation.