LC200 New Features

Lumens' mission

is to "fulfill the wishes", "solve the pain" of customers, and become your most reliable partner.

1. Support NAS

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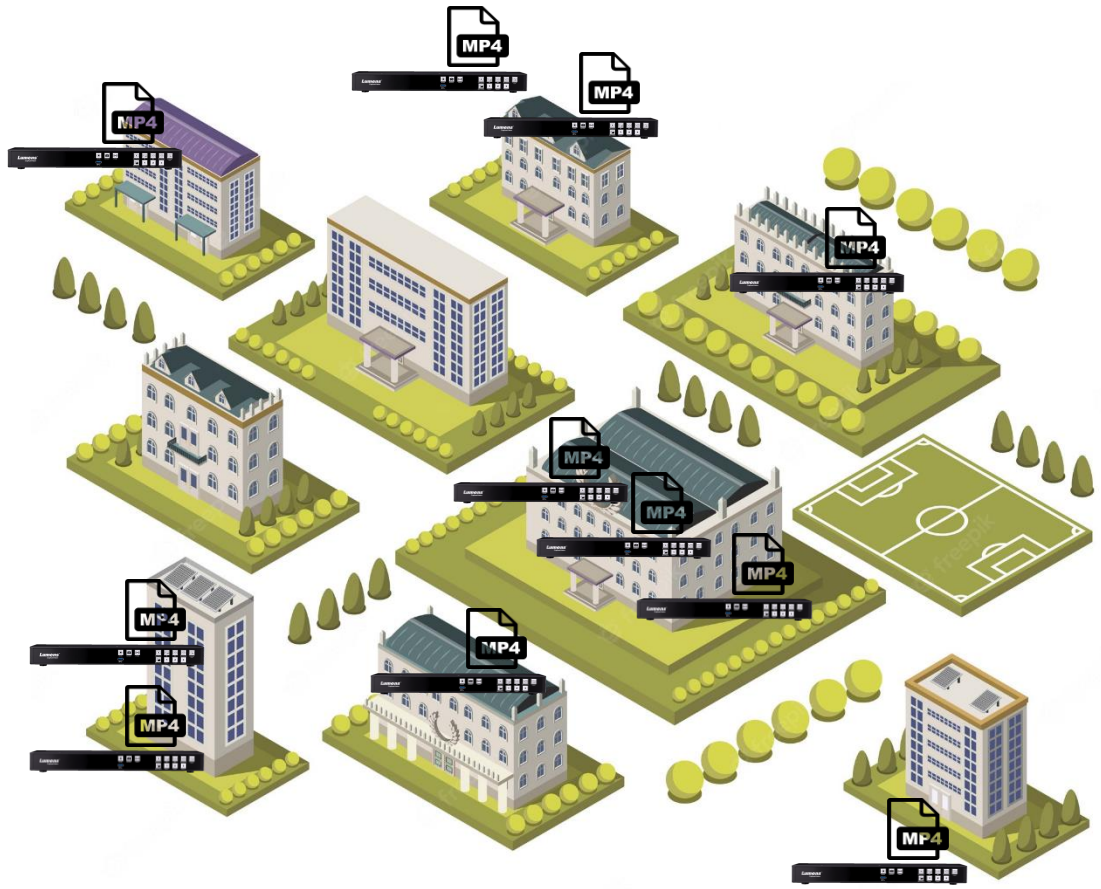
CIFS/SMB
FTP
SFTP
NFS
Lumens
Not Enough Storage Space

1. Origin

- Built-in 1 TB storage is not enough for LC200.
- Extracting recording files is arduous and tedious, especially when you have multiple LC200 located at discrete places.



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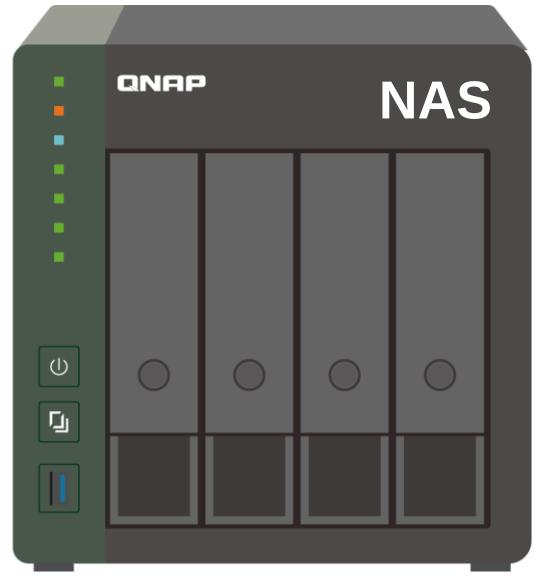
2. What is NAS?

- NAS (Network Attached Storage), is a data storage server connected to a network. Devices connecting to the same network can upload and back up files to this NAS storage.
- A NAS can consist of multiple drives. It is expandable, providing a massive space for any amount of data storage.



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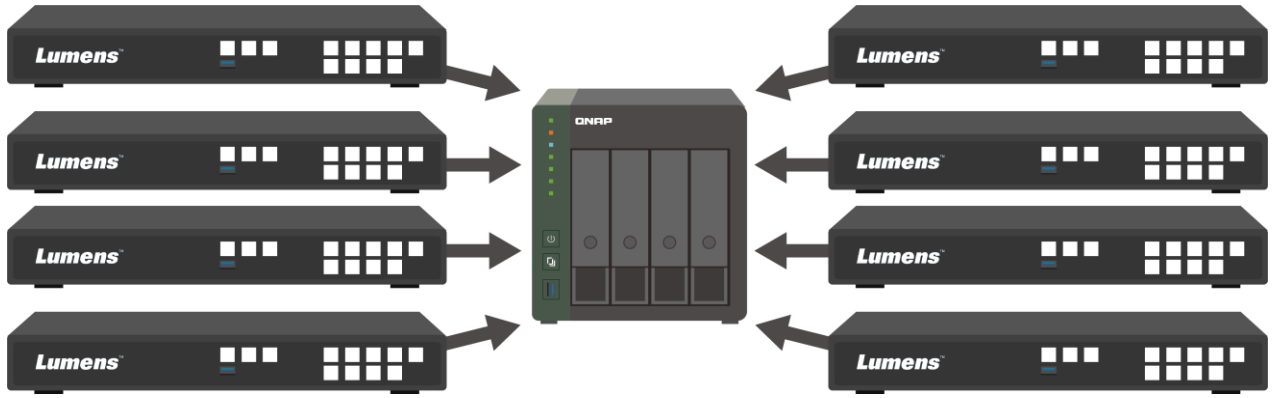
3. Why NAS?

- **Enormous storage space**: NAS provide massive spaces and it’s easy to expand
- **Central management**: Even multiple LC200 at discrete places can automatically upload recordings into one single NAS storage via the Internet.



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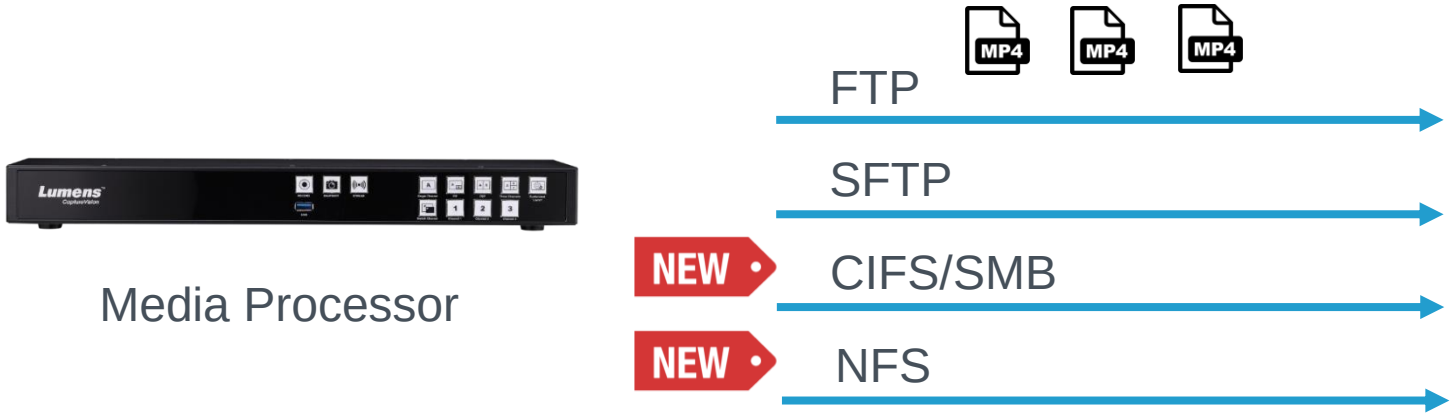
4. New version of LC200

- The latest version of LC200 adds new protocols that are commonly used for NAS in addition to FTP/SFTP protocol
  - CIFS/SMB
  - NFS
- Multiple LC200s can mount the same NAS as their network storage through NFS or CIFS/SMB protocol.
- LC200 can set up a daily or periodic backup schedule to the NAS.



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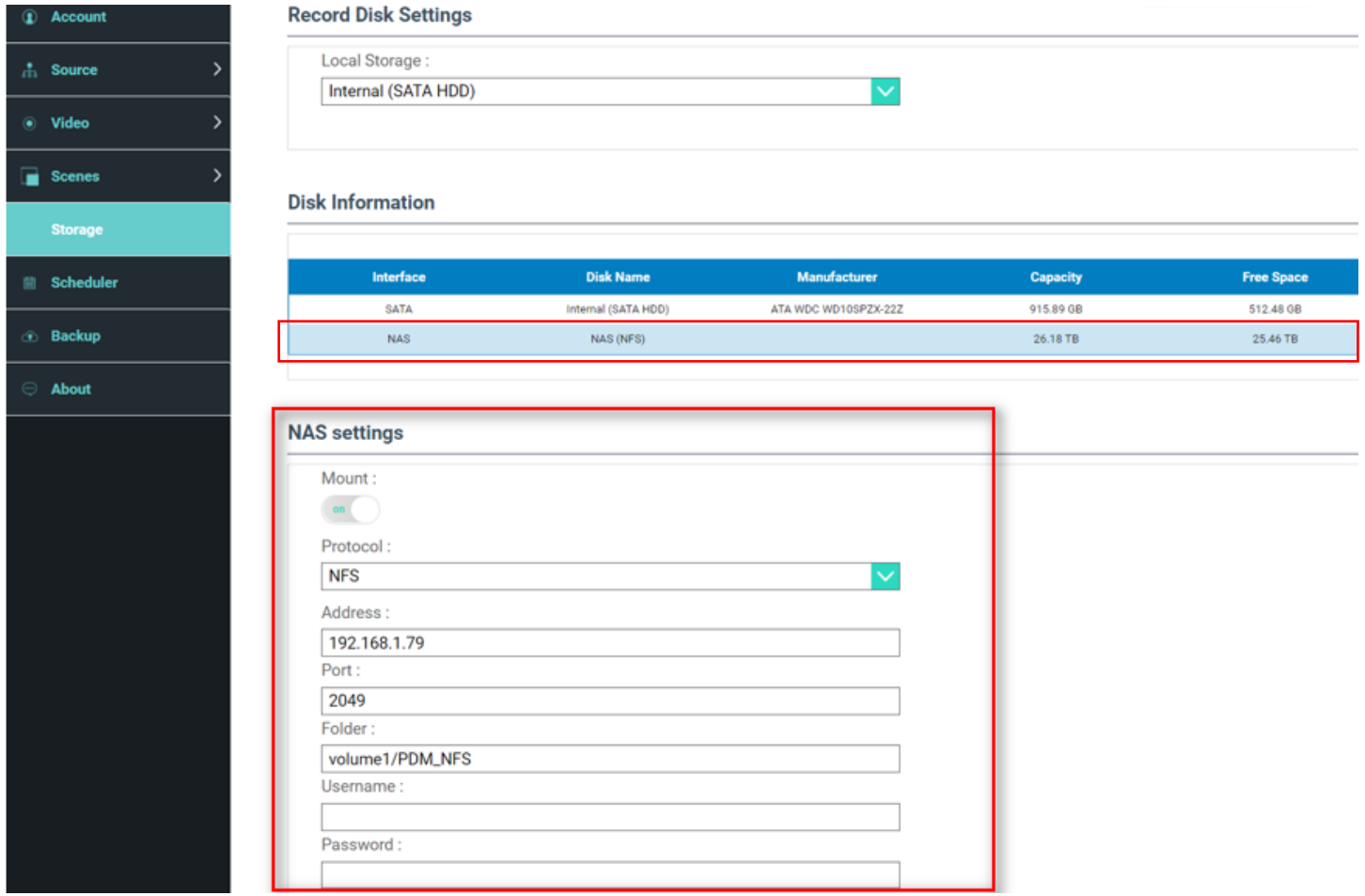
5. How to mount a NAS server?



1. Log in LC200 web-based portal
2. Go to Storage, NAS settings
3. Fill out the NAS information, turn on "mount," and then hit "apply."
4. If mounting succeeds, you'll see your NAS listed in "Disk Information."

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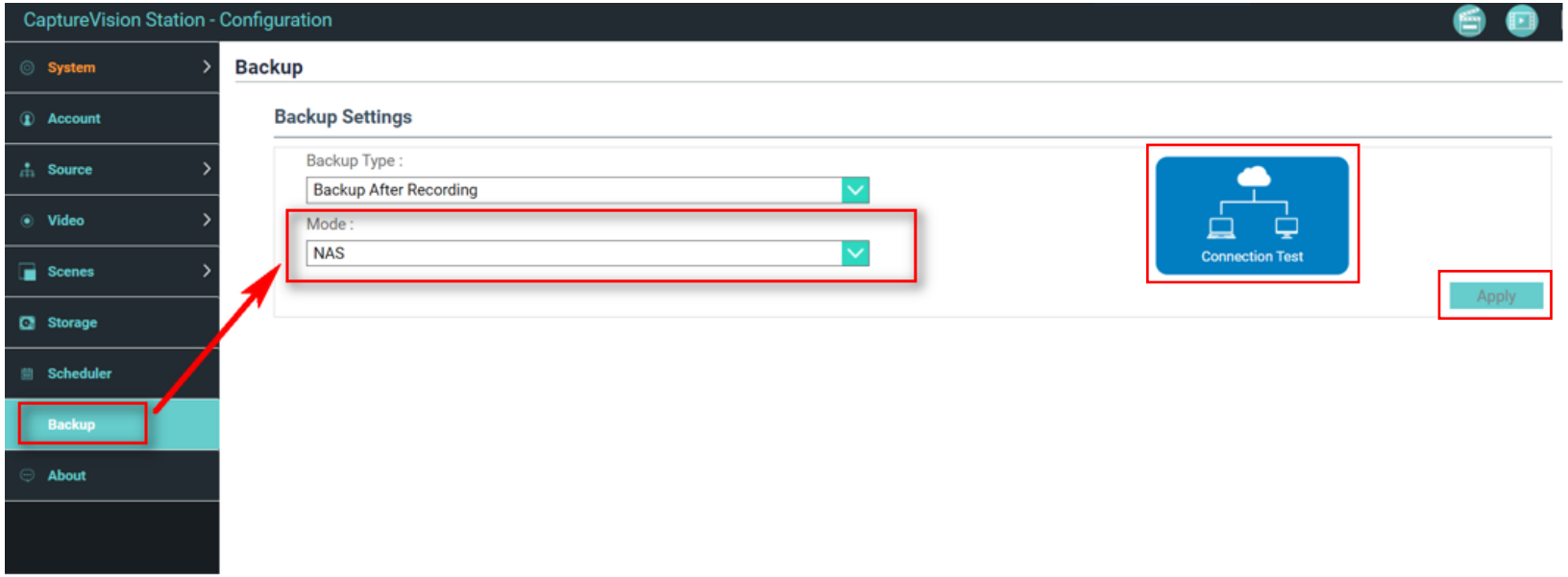
5. How to automatically back up recordings to a NAS server?



1. Log in LC200 web-based portal
2. Go to Backup, Backup settings
3. Go to "Mode:" drop-down menu, select "NAS"
4. Click "Connection Test"
5. If it connects, you will see "Connection test succeeded."
6. Click "Apply"

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5. Battle Card

	Lumens LC200	Extron SMP-351	Epiphan Pearl Mini
FTP	Yes	Yes	Yes
SFTP	Yes	Yes	Yes
NAS (CIFS/SMB)	Yes	Yes	Yes
NAS (NFS)	Yes	No	No

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2. Front Panel Lock

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1. Origin

- When an LC200 is placed in an open space, non-staff may accidentally touch function keys on the front panel.
- For example, students unintentionally stop the ongoing recording.
- To avoid the above situation, the administrator can lock down the front panel operation.

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2. New version of LC200

- The latest version of LC200 adds a new function to lock down the front panel.
- Only an authorized administrator account can lock/unlock the front panel operation.

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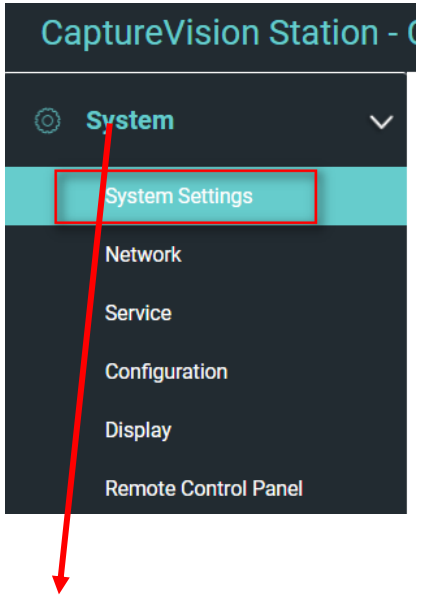
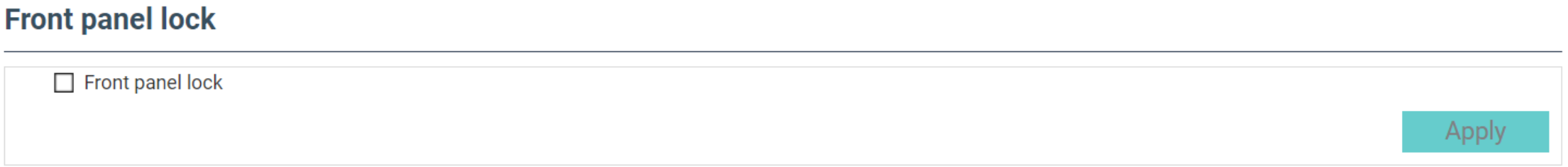
3. How to set up Frone Panel Lock?



1. Log in LC200 web-based portal by the administrator account
2. Go to "System" -> "System settings" -> "Front panel lock“
3. Select "Front panel lock," and then click "Apply.“

Note: The setting does not affect onboard GUI, webpage control, or control commands



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4. Battle Card

	Lumens LC200	Extron SMP-351	Epiphan Pearl Mini
Front Panel Lock	Yes	Yes	No

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3. Intermission

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1. Origin

- During the live streaming event, hosts sometimes take a break time. The event host would need to mute cameras and audio without disconnecting streaming at this intermission.

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1.1 Origin

- In some Pro AV applications, a courtroom, for example, when some sensitive or privacy moment occurs, the proceedings would require quickly muting cameras and audio without stopping live streaming.

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2. The New Version of LC200

- Just one click, you can switch to the intermission scene instantly or back to live streaming.
- The event host can design its own "break time scene."

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3. How to put ”Intermission” in action?

- Onboard GUI and web-based director are added two buttons, Intermission and Live

- Function explained

Button	Video	Audio
Intermission	PGM shows ”Intermission Scene”	Mute PGM Audio
Live	PGM back to live	Unmute PGM Audio

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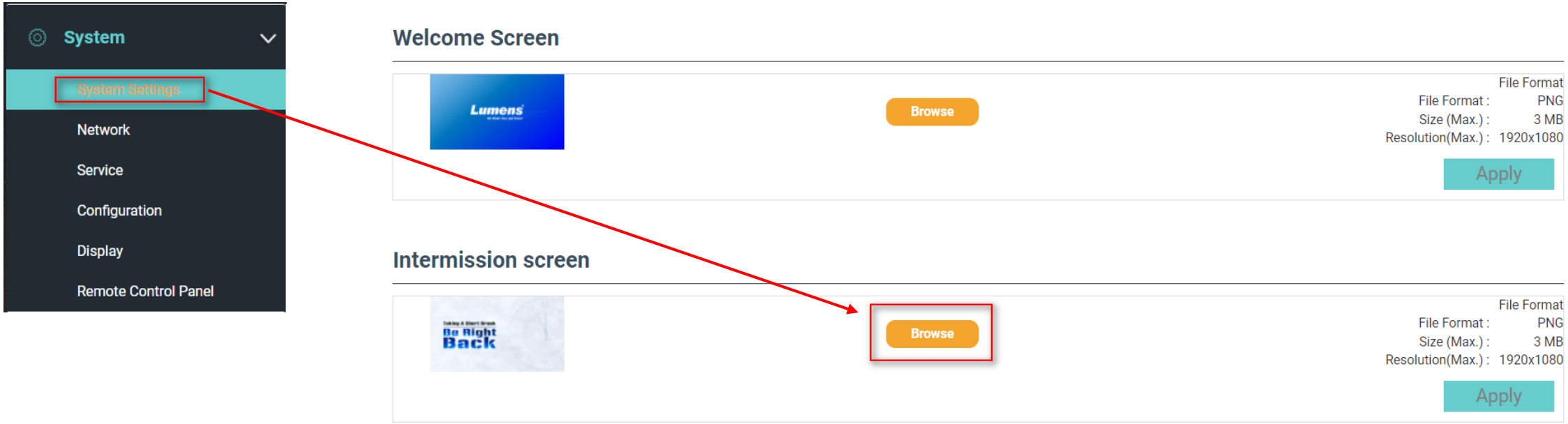
4. How to change “Intermission Scene”?



1. Design your own Intermission Scene (1920 x 1080 .PNG required)
2. Log in LC200 web-based portal -> Go to "System" -> "System settings" -> "Intermission Screen“
3. Click "Browse" and choose your PNG image
4. Click "Apply"

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5. Battle Card

	Lumens LC200	Extron SMP-351	Epiphan Pearl Mini
Intermission Function	Yes	No	No

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4. Marco

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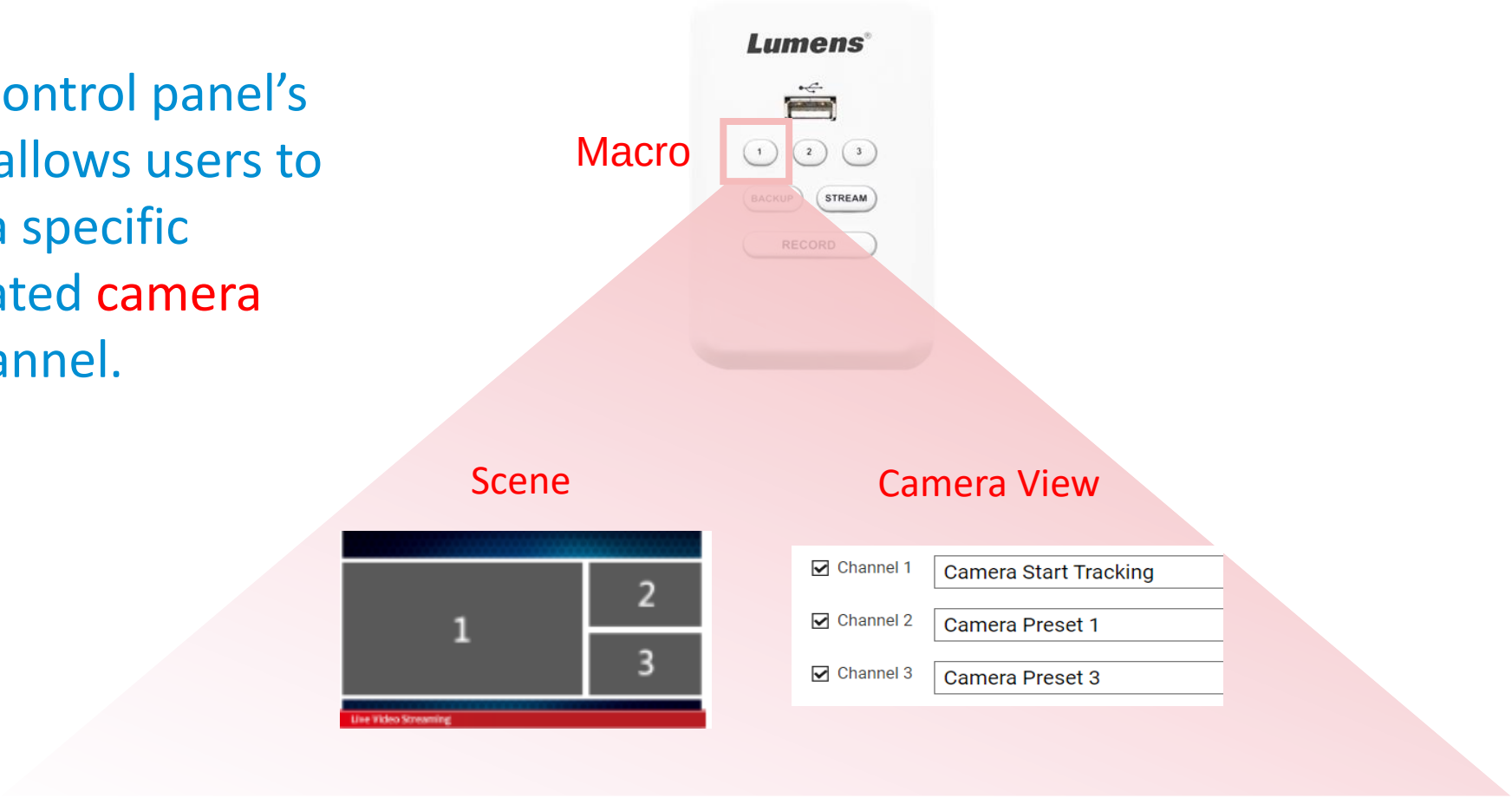
1. What is a Macro?

- Macro is remote control panel's function key that allows users to quickly switch to a specific scene and designated camera views for each channel.



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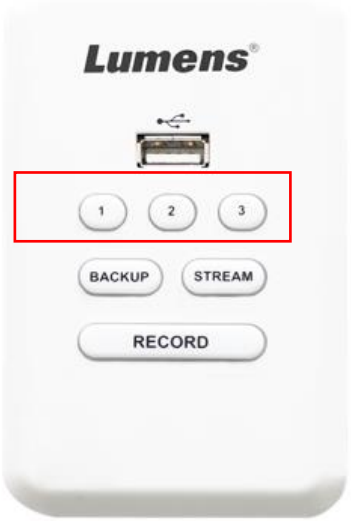
2. How to execute Macro?

1. LC-RC01 Remote control panel

Macro



2. Third party controller

Command

You can set up to 3 macros

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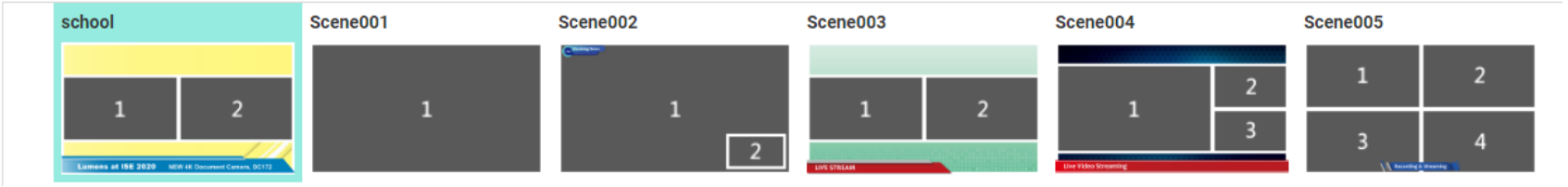
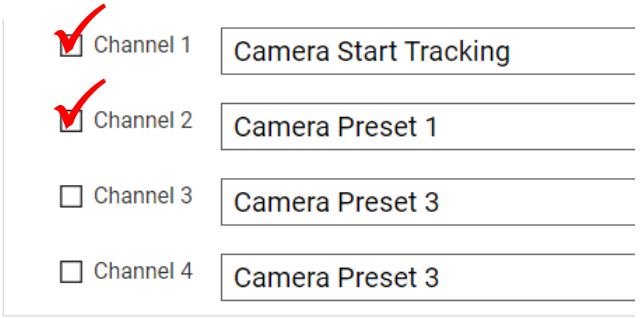
3. How to Configure a Macro?

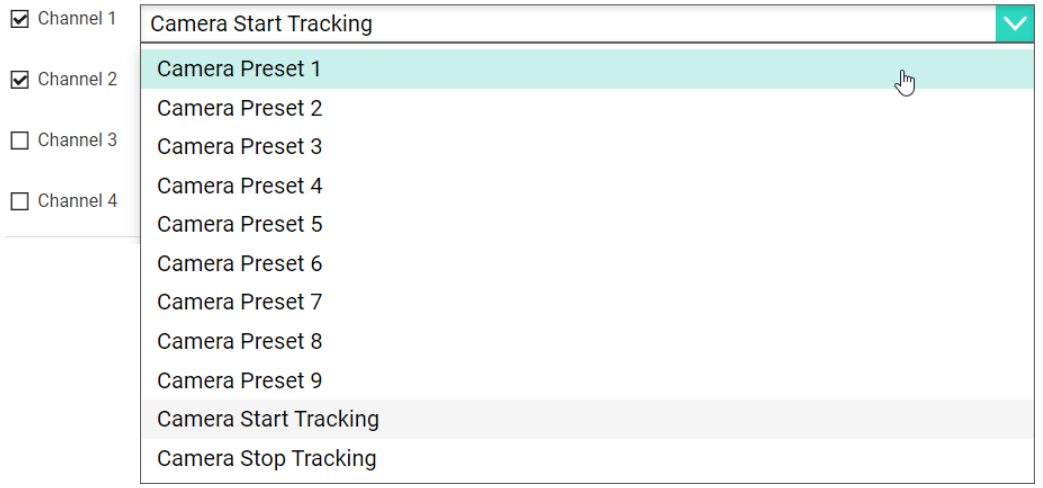
1. Select a scene



2. Select channels



3. Select camera actions



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4. Battle Card

Only Lumens media processors have the “Macro” function
Only Lumens use “Macro” to automate PTZ cameras and auto-tracking cameras

	Lumens LC200	Extron SMP-351	Epiphan Pearl Mini
Optional Remote Control Panel	Yes	Yes	No
Macro function	Yes	No	No
Macro to control PTZ cameras	Yes	No	No

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5. Pause recording

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1. Origin

- "Pause" is an essential function when you need to take a break or conduct private conversation during the recording.
- For example, during courtroom proceedings, police statement records, or government meetings.

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3. How to pause during recording?

- New Pause / Resume buttons on GUI Director

- Function

Icon	Function
	Start Recording
	Stop Recording
	Pause Recording
	Resume Recording

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5. Battle Card

	Lumens LC200	Extron SMP-351	Epiphan Pearl Mini
Pause / Resume Recording	Yes	Yes	TBD

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6. Panopto multi streams

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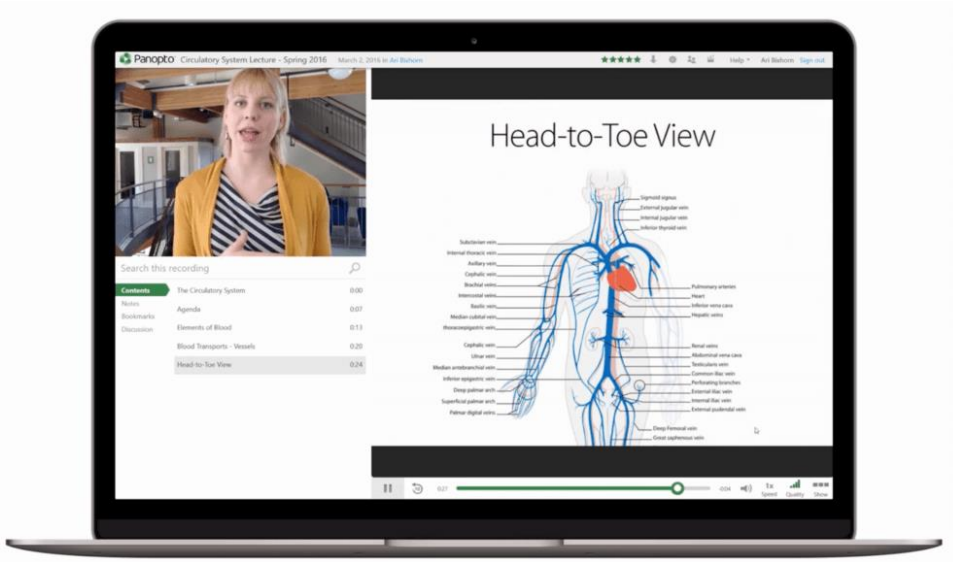
1. What is Panopto?

- Panopto is a cloud-based video management platform for education or corporate training. Users can upload recording files to the Panopto server for archive and content management.
- Panopto provides real-time Webcast streaming.

Panopto™



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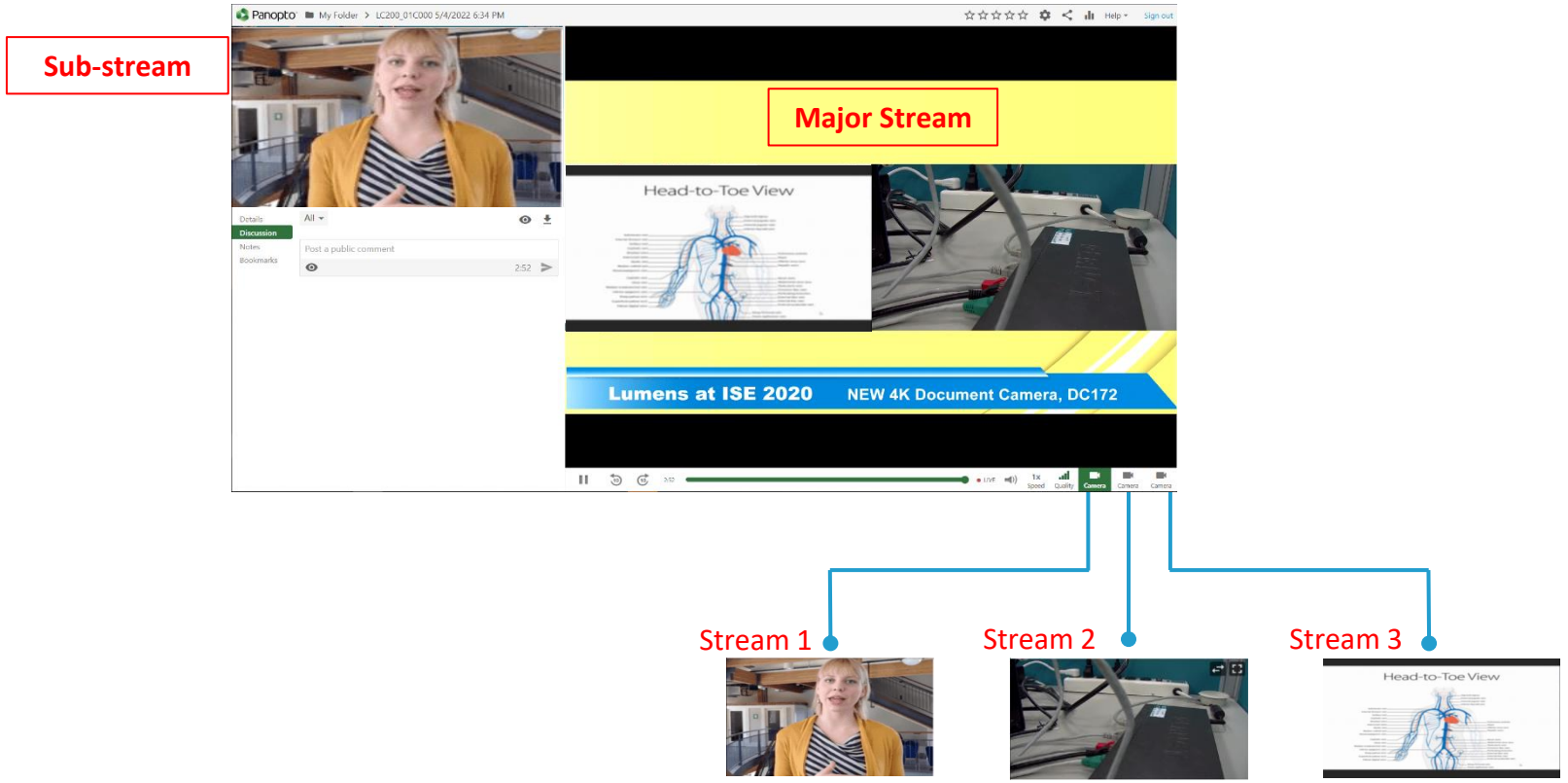
2. Origin

- During Panopto Webcasting, viewers can watch one major stream and one sub-stream.

  One sub-stream can be chosen from three sources.

- Viewers can choose and focus on what they want to watch.



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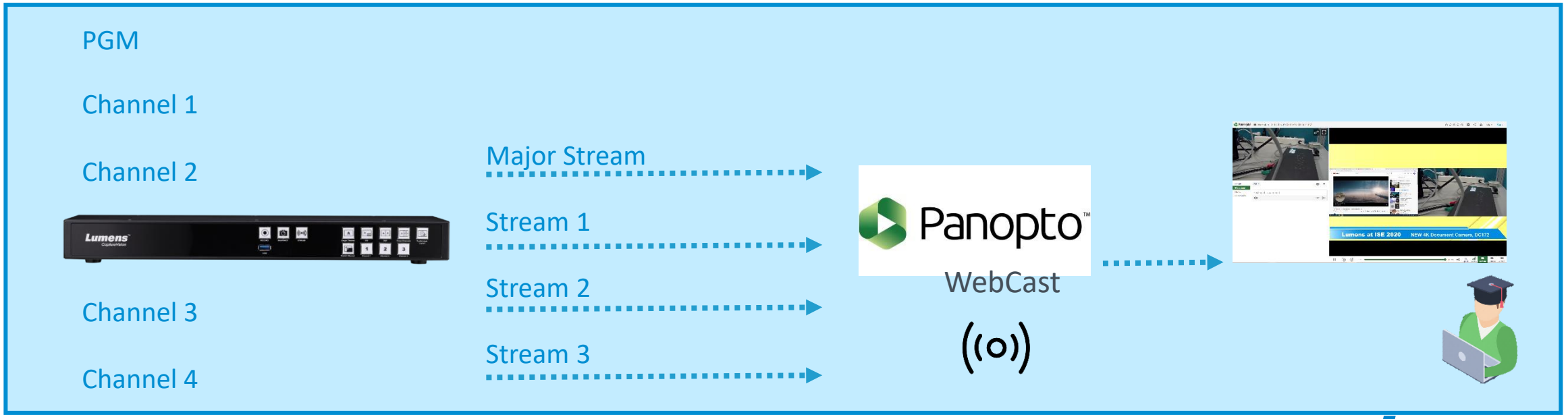
3. The new version of LC200

- The integration between Panopto and Lumens allows LC200 to be scheduled, webcasting, and automatically upload files after recording.
- The latest LC200 can simultaneously push up to 4 streams from five sources (PGM, Channel 1, Channel 2, Channel 3, Channel 4) according to users' choice.



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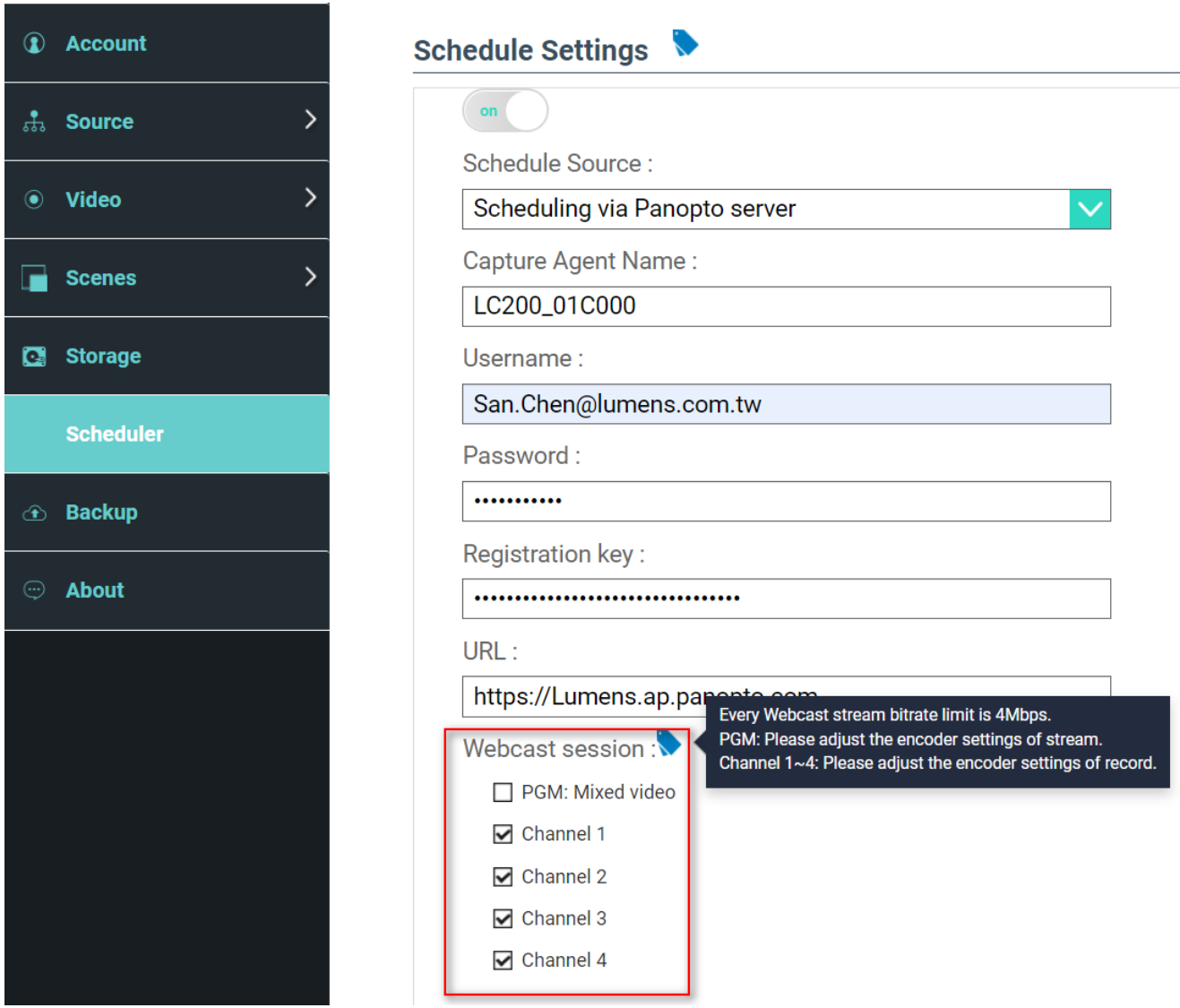
5. How to Set up?



1. Log in LC200 web-based portal
2. Go to "Scheduler" -> "Schedule Settings" -> "Webcast session"
3. You can select four out of five options that you want to stream to Webcast session.
4. For Panopto setup, please watch this video: https://www.youtube.com/watch?v=gGhw1XIGe7g

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5. Battle Card

	Lumens LC200	Extron SMP-351	Epiphan Pearl Mini
Panopto Webcast support	Yes	Yes	Yes
Multi-stream for Panopto Webcast	4	2	2
Multi-stream recording	5	1	1

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6. Models with new features

LC200

Multi-stream up to 4

LC100

Multi-stream up to 3

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