LC200 Firmware Release Note

Release Date	Version	Description	Note
2025/8/15	V4.8.0.70	**New Feature** 1. Added API commands for Kaltura appToken authentication. **Bug fix** 1. Fixed a bug where the PGM audio output had no sound. 2. Fixed LC200 connection issue with CaptureVision Mini Controller. 3. Fixed Backup Settings not applying to account with Director permission.	
2025/2/11	v4.8.0.69	**New Feature** 1. Added a new authentication method for Kaltura backup. 2. Added a connection test button in the backup section on webpage. **Improvement** 1. NAS no longer need to be remounted after restarting the LC200. 2. Logs can now retain data for a longer period. **Bug fixe** 1. Fixed an issue where .ics files could not be imported into the LC200.	
2024/04/19	v4.8.0.66	**New Feature** 1. Added a Partner ID column in Backup Settings for Kaltura Server backup. 2. When choosing Panopto in Backup setting, you can upload the files to the designated ID folder. 3. Added a USB drive backup function in Backup Settings. 4. Individual MP4 files can now be uploaded instead of entire folder when using FTP or NAS. 5. Added a Customized Mode, so you can choose which video sources to record. 6. Added additional time options for synchronization intervals. **Bug Fixed** 1. Fixed a bug where the record file might get stuck in processing. 2. Fixed the bug where tag information would be deleted after recording a recurring event.	

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2023/08/07	V4.8.0.63	**Improvement** 1. Support RTMP streaming on Microsoft Teams live events. 2. Fixed that Standby or Wake up function is not working. 3. Add retry method to improve recording fail to upload on Panopto.	
2023/05/31	V4.8.0.59	**Improvement** 1. Fixed the Audio display wrong after unmute. 2. Fixed the HDMI source randomly drop issue. 3. Fixed Macro fail issue when uses Director account. 4. Improved safety and security on Webpage interface.	
2023/02/03	V4.8.0.57	**Improvement** 1. RS485 Connection bug fixed.	
2022/11/15	V4.8.0.51	**Improvement** 1. The issue of Failure upload 2GB file while using NAS SMB 2.0.	
2022/10/20	v4.8.0.50	**New Features** 1. Added function that names the record file and the re-upload file. 2. Added the PGM screen on Webpage. 3. Added more tracking cameras module. (VC-TA50, VC-TR40) 4. Added schedule record / webcasting functions that integrated with Kaltura **Improvement** 1. Bug fixed OBS rtsp stream shut down issue. Bug fixed that Overlay can't be changed.	
2022/05/10	v4.8.0.42	**Improvement** 1. Corrected the words of "Intermission" on the GUI page. 2. Fixed the recording file issue. 3. Added crash protection mechanism. 4. Removed Telnet connection for security purpose.	
2022/01/11	v4.8.0.41	**New Features**	

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		1. Added Record pause / bookmark function. **Improvement** 1. Improved screenshot quality.	
2021/11/22	v4.8.0.35	**New Features** 1. Added the function that allow users to upload their own Intermission screen. 2. Added Front panel lock function. 3. Added Marco function, the users can set different settings for the IP cameras of channe1~4, and also add tracking related settings. 4. Added the option to set SMB version on NAS settings page. **Improvement** 1. Fixed issue: stuck on the booting page when power on.	
2021/09/17	v4.8.0.30	**New Features** 1. Added Multi-Stream to Panopto. 2. Added Record Settings to make the size of the video file smaller.	
2021/06/22	v4.8.0.22	**New Features** 1. Support Http API to control LC200 with Lumens Deployment Tools. 2. Support VC-TR1 tracking on/off function. 3. Added Intermission function. **Improvement** 1. The recording time limit from 8 hours changed to 12 hours. 2. Fixed RTMP stream key cannot use"@" issue. 3. Update welcome screen.	
2021/04/14	v4.8.0.14	**New Features** 1. Added Schedule Standby and wake up function.	

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		2. Added switch function between "simplified Chinese" and " traditional Chinese" on Webpage Director.
		3. Added selections for Time Stamp (System Time Overlay):
		   3.1 hh:mm:ss.
		   3.2 hh:mm (no seconds).
		
		Improvement
		1. CPU loading on MultiView Director change from ≥90% to ≥95%.	

2021/03/12	v4.8.0.12	Fixed issues: Panopto information, camera login and webpage.	
2021/01/08	V4.8.0.9	**New Features** 1. Support backup the videos to NAS (support CIFS/SMB, NFS 2 NAS protocols) 2. Added System Time Overlay on PGM function. 3. Support wireless numeric keyboard. **Improvement** 1. Fixed issue: configuration page split issue. 2. Fixed issue: LC-RC01 Record&Stream no light after recording stops.	
2020/11/10	v4.7.0.7	**New Features** 1. Channel 1~4 can choose the record audio source from Audio In 1~4. 2. Added integration of Panopto Schedule Record and Webcast. 3. Support USB HID touch monitor. 4. The maximum number of Scenes / Overlay: from 9 to 30. 5. RS-232/TCP API added Backup to USB command. **Improvement** 1. Fixed issue: overlay with a solid color background will be semi-penetration on the PGM after v4.4.0.17.	

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		2. Fixed issue: the configuration file of 4.4.0.X could not be imported. 3. Fixed issue: when using the director account to log in to the website director page, setting preset will pop up "Authentication denied."	
2020/09/14	v4.5.0.13	**New Features** 1. Added Director function on the webpage. 2. Added the option of "IP Audio" to the source of Audio Input 1~4. 3. The mixing mechanism changed to Software Audio Mixer (IP Audio can be added to the mix) 4. Added CPU loading information to the Status Bar on the Director page of the GUI 5. RS232_RS485_TCP_protocol-LC200: Get Status command added standby status. **Improvement** 1. Fixed issue: cannot import the layout configure file produced by Layout Editor on v4.4.0.XX.	
2020/07/15	V4.4.0.19	**New Features** 1. Added Mixer Level volume adjustment (0~125). 2. Added Mute/UnMute function. 3. All volume adjustment items added a field showing the current value. 4. Support exFAT formatted USB flash drives. 5. Added Standby and Wakeup command. **Improvement** 1. Audio Input noise. 2. TCP connection mechanism.	
2020/06/10	V4.4.0.17	**New Features** 1. Compatible with Lumens' new IP Camera products: VC-A71P / VC-A61P / VC-BC701P / VC-BC601P / VC-BC301P 2. Support LC-RC01	

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		3. Added functions on configuration page of webpage
		    3.1 Video Source Manager
		    3.2 Macro setting page (with LC-RC01)
		4. Added function: keypad Channel 3 button can switch to Channel 4.
		5. Added IP/RS-232 commands:
		    5.1. Set / Get Channel Source
		    5.2. Save Camera Preset
		    5.3. Set Macro command	