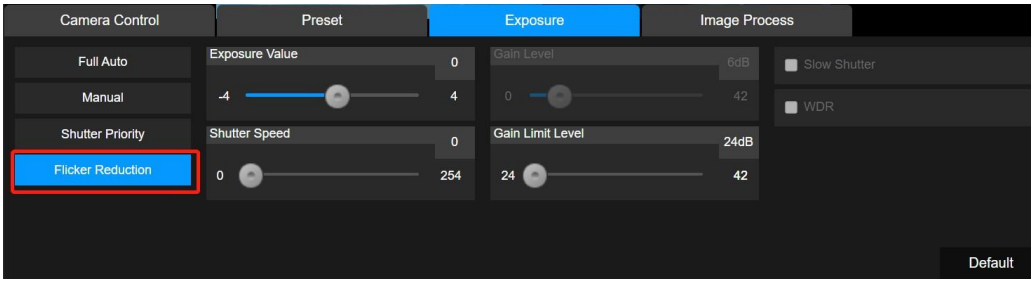
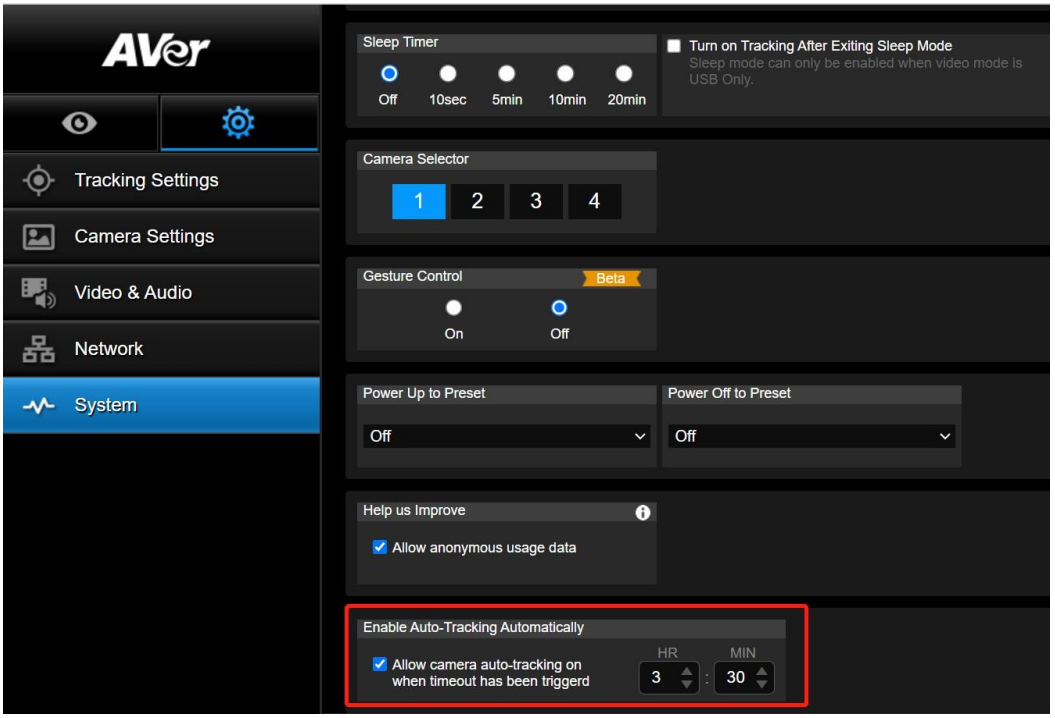
Release Notes

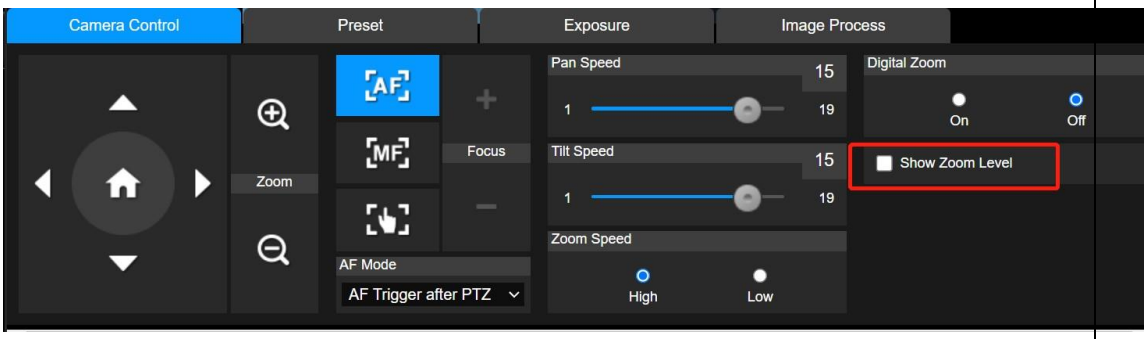
Product: DL10

Firmware Version	7.1.0049.51
Release Date	Sep 30, 2024
New Features	N/A
Improve	1. ONVIF IP address issue 2. Sleep mode doesn’t stop RTSP streaming
Known Issue	1. N/A

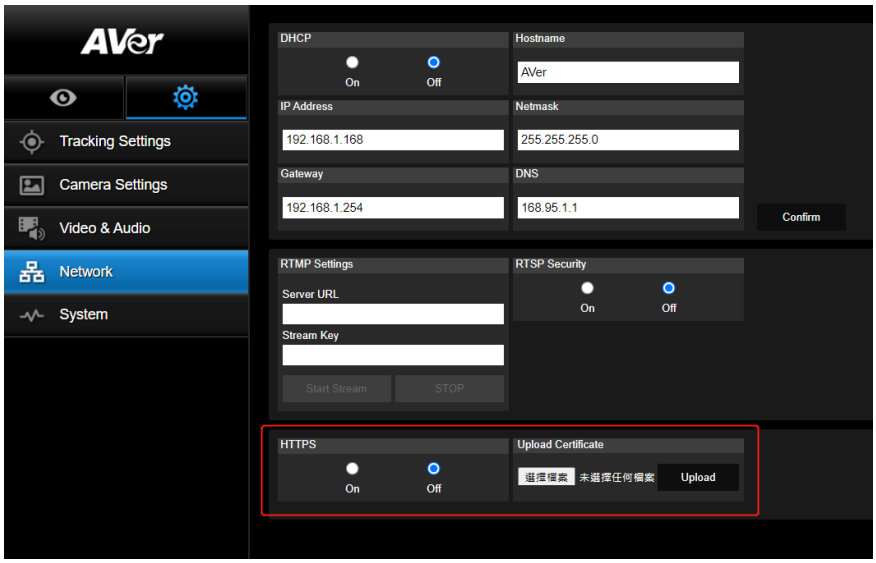
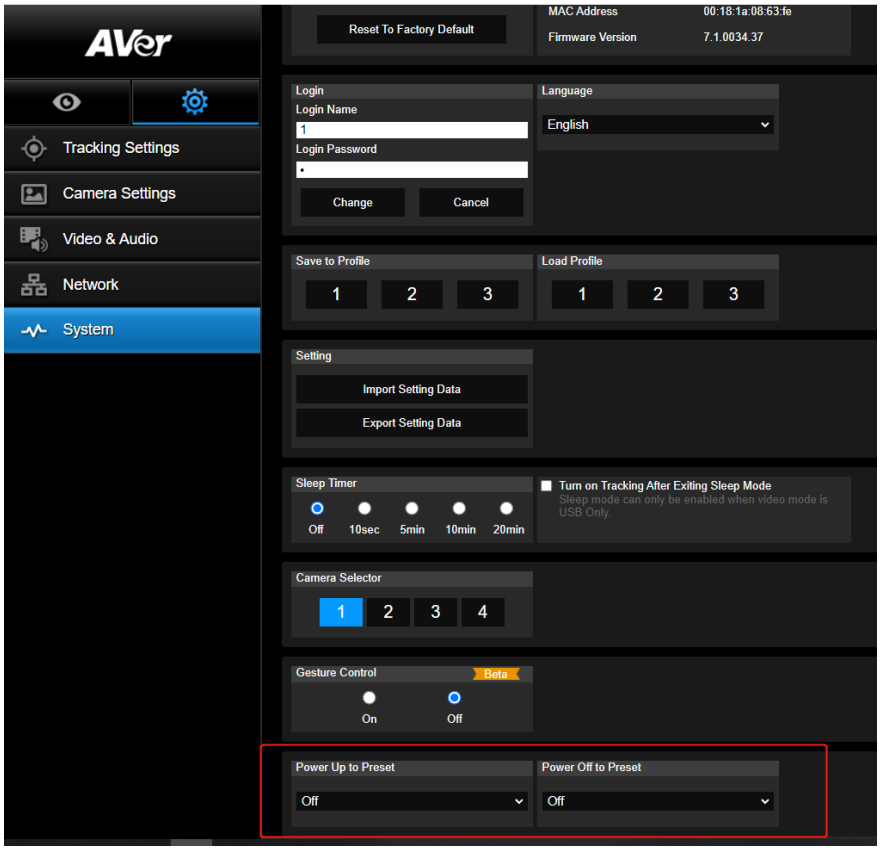
Firmware Version	7.1.0045.46
Release Date	Oct 19, 2023
New Features	1.VISCA supports Hybrid Mode
Improvement	3. VISCA zoom in/out abnormal 4. PTZ Management Zoom speed optimized 5. RTSP audio sample rate unstable
Known Issue	2. RTSP occasionally won’t be off in sleep mode

Firmware Version	7.1.0037.40
Release Date	June 15, 2022

New Features	1. Support Flicker Reduction. - Setup via Webpage/Settings/Camera Settings  2. Support Enable Auto-Tracking Automatically. - Setup via Webpage/Settings/System 

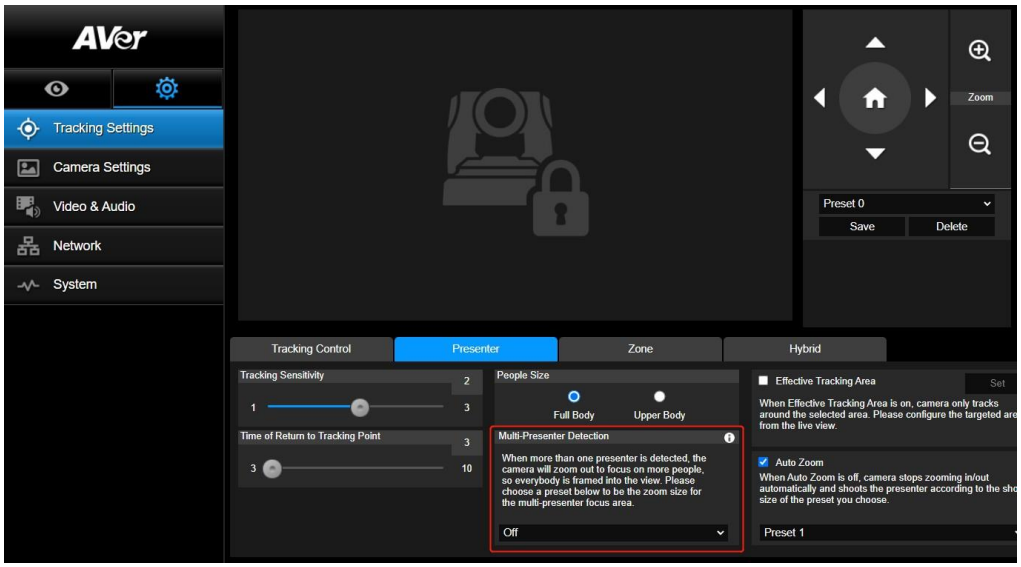
	3. Support anonymous usage data. - Setup via Webpage/Settings/System
Improvements	1. Improved zoom ratio display. - Setup via Webpage/Settings/Camera Settings - Only supports on UVC source 
Bug Fixes	1. Fixed the issue of working with Crestron panel through RTSP. 2. Fixed the issue of video freeze between presets when tracking on. 3. Fixed the issue of WDR is not disabled when exposure is not auto. 4. Fixed the issue of streaming on Vimeo through RTMP.
Known Issues	1. Tracking accuracy will be affected when enabling camera digital zoom. - Only optical zoom is supported when tracking is enabled, and the maximum tracking distance for DL10 is 5 meter based on its lens capability, it should be able to cover most of the use cases. However, if an application that requires a further setup, a higher optical zoom camera is recommended. 2. Random failure of gesture recognition. - Up to 5 meters pick up can be supported for gesture control, however random failure occurs when skin colored objects (e.g. hands, clothes) of the user blends too much with the environment or the background is rather complex. Therefore, it's suggested to move closer to the camera and retry the gesture when recognition failed.

	3. AI tracking will be less stable when enabling gesture control. - Will improve in the following version. 4. The edge of image gets distorted when camera is around 1x. - It is suggested to zoom in to at least 1.5x if image distortion interfered. 5. User may notice lens flare when capturing at a point of light source. - It is caused by the lens specification; however, it's not interfering normal usage. 6. Unknown USB 2.0 device and warning when plugging DL10 into PC/laptop with a USB 3.0 port after turning on the camera. - This behavior and warning are caused by camera chipset design. It doesn't affect the current USB function or leads to any malfunction to your computer. 7. Random failure of USB image when switching inputs on IFP. - This will resolved when re-plugging USB cable. 8. A small percentage of users may experience random failure while connecting PC to DL10 through the network. - It is caused by the incompatibility of the PC network card Realtek RTL8168E and DL10. We recommend connecting a hub in this setup or adding a passive PoE injector or splitter between your PC and DL10. A suggested model*** for this kit would be： https://www.amazon.com/Passive-Injector-Splitter-5-5x2-1-Connector/dp/B01LX1WL2Z *** [Note] The accessory recommendation is for reference only, not a guarantee. They may make some specification change without notifying AVer. Their product quality is also beyond AVer's control. We are not liable for any potential risk of 3rd party products. Please test it by yourselves before purchasing it in volume. 9. Only English for "Multi-Presenter Detection" setting tips on webpage. - Other languages will be provided in the next version. 10. Shutter speed under Shutter Priority and Flicker Reduction are inaccurate. - Will fix in the next version

Firmware Version	7.1.0034.37
Release Date	March 15, 2022
New Features	1. Support HTTPS certification. - Setup via Webpage/Settings/Network  2. Support Power up/off to Preset. - Setup via Webpage/Settings/System 

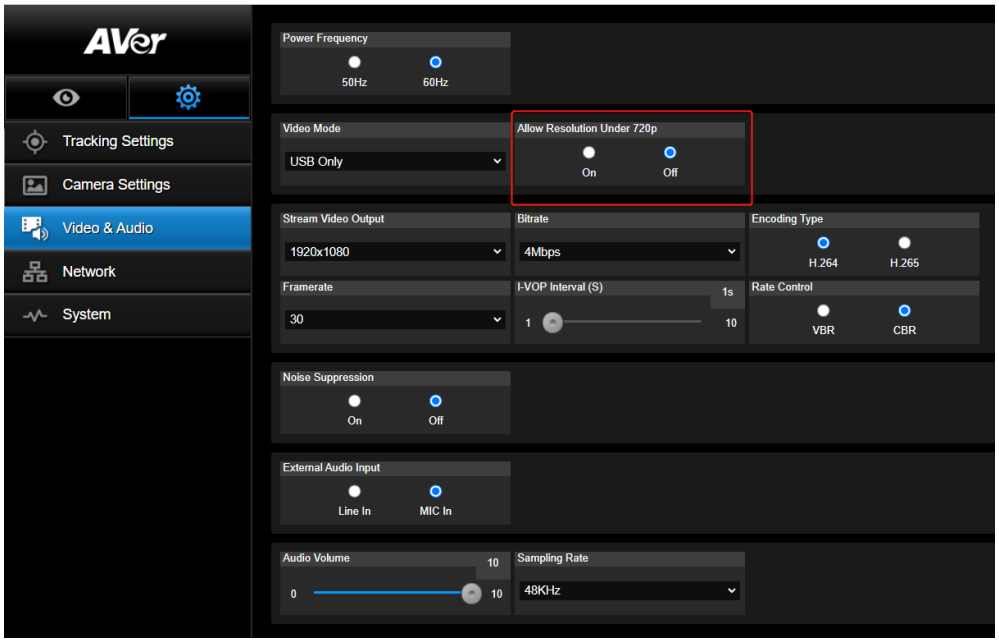
3. Support Multi-Presenter Detection under Presenter Tracking.

- Setup via Webpage/Settings/Tracking Settings/Presenter



4. Support Allow Resolution Under 720p.

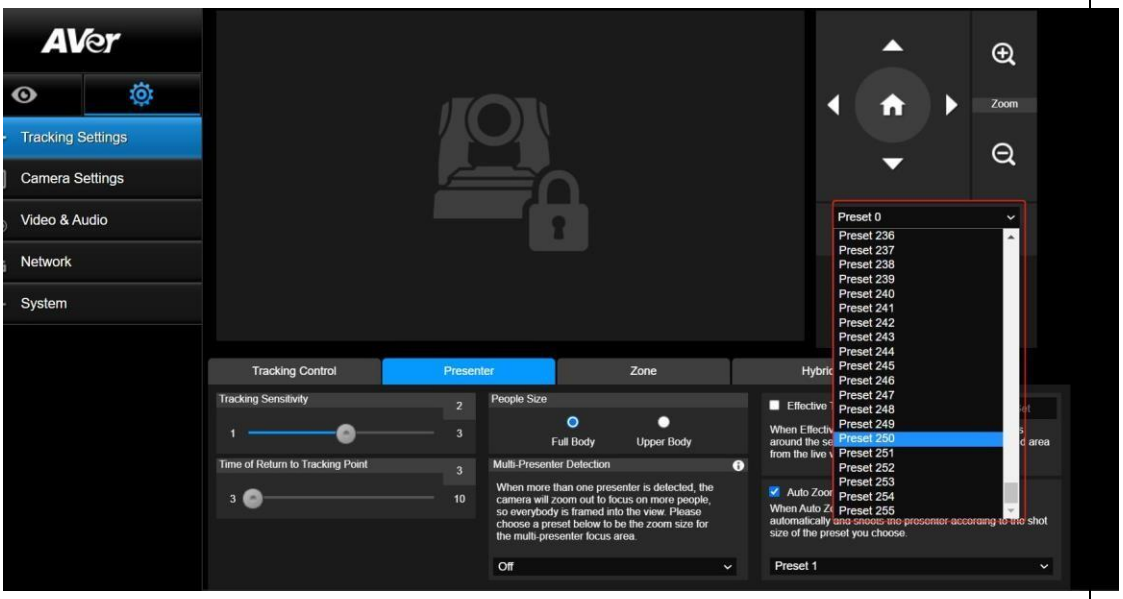
- Setup via Webpage/Settings/Video & Audio



5. Support Gesture Control On/Off through Remote Control.

- Gesture Control On: Short press Menu, then press Tracking On;

- Gesture Control Off: Short press Menu, then press Tracking Off.

	- LED will switch to Green and blink when receiving Gesture Control on/off through Remote Control.
Improvements	1. Improved auto focus especially in front of white background. 2. Optimized tracking sensitivity under Zone Mode. 3. Improved tracking accuracy especially when presenter's head or neck is covered. 4. Expanded to 256 Presets when setting presets under Presenter Tracking on webpage.  5. Optimized built-in microphone performance. 6. Stabilized gesture control and improved recognition when palm color blends with the background.
Bug Fixes	1. Fixed the issue of webpage preview lag when using Firefox with hardware acceleration is on. - Fixed the issue of webpage preview lag when calling presets.
Known Issues	1. Tracking accuracy will be affected when enabling camera digital zoom. - Only optical zoom is supported when tracking is enabled, and the maximum tracking distance for DL10 is 5 meter based on its lens capability, it should be able to cover most of the use cases. However, if an application that requires a further setup, a higher optical zoom camera is recommended.

	2. Random failure of gesture recognition. - Up to 5 meters pick up can be supported for gesture control, however random failure occurs when skin colored objects (e.g. hands, clothes) of the user blends too much with the environment or the background is rather complex. Therefore, it's suggested to move closer to the camera and retry the gesture when recognition failed. 3. AI tracking will be less stable when enabling gesture control. - Will improve in the following version. 4. The edge of image gets distorted when camera is around 1x. - It is suggested to zoom in to at least 1.5x if image distortion interfered. 5. User may notice lens flare when capturing at a point of light source. - It is caused by the lens specification; however, it's not interfering normal usage. 6. Unknown USB 2.0 device and warning when plugging DL10 into PC/laptop with a USB 3.0 port after turning on the camera. - This behavior and warning are caused by camera chipset design. It doesn't affect the current USB function or leads to any malfunction to your computer. 7. Random failure of USB image when switching inputs on IFP. - This will resolved when re-plugging USB cable. 8. A small percentage of users may experience random failure while connecting PC to DL10 through the network; it is caused by the incompatibility of the PC network card Realtek RTL8168E and DL10. We recommend connecting a hub in this setup or adding a passive PoE injector or splitter between your PC and DL10. A suggested model*** for this kit would be：https://www.amazon.com/Passive-Injector-Splitter-5-5x2-1-Connector/dp/B01LX1WL2Z *** [Note] The accessory recommendation is for reference only, not a guarantee. They may make some specification change without notifying AVer. Their product quality is also beyond AVer's control. We are not liable for any potential risk of 3rd party products. Please test it by yourselves before purchasing it in volume.

	9. Only English for new features on webpage including “Allow Resolution under 720p”, setting tips for “Multi-Presenter Detection”. - Other languages will be provided in the next version.
Firmware Version	7.1.0032.34
Release Date	January 21, 2022
New Features	1. Able to pan/tilt/zoom. 2. Support built-in microphone which picks up maximum 5 meters. 3. Support three AI auto tracking modes including Presenter, Zone, and Hybrid mode. 4. Support gesture control* which supports tracking on/off and upper/full body switching. 5. Able to save up to 10 presets on remote control and 256 presets through IP. 6. Able to control camera through USB and IP. 7. Able to upgrade firmware through webpage, CaptureShare and PTZ Management** software. 8. Software support: CaptureShare 1.3.2055.0, PTZ Management**, PTZ Control Panel 1.2.1023.0, OBS Plugin for PTZ Cameras 1.1.1010.0. 9. Compatible with video conferencing software including Microsoft Teams, Zoom, Google Meet/Hangouts etc. *Please note current gesture control is BETA version which still may need some time for improvements. **Please note DL10 will be supported by PTZ Management software around late January 2022.
Improvements	None. This is the first edition.

Known Issues	1. Zone tracking will be affected when other human targets in the camera view. - Will improve in the following version. 2. Tracking accuracy will be affected when enabling camera digital zoom. - Only optical zoom is supported when tracking is enabled, and the maximum tracking distance for DL10 is 5 meter based on its lens capability, it should be able to cover most of the use cases. However, if an application that requires a further setup, a higher optical zoom camera is recommended. 3. Random failure of gesture recognition. - Up to 5 meters pick up can be supported for gesture control, however random failure occurs when skin colored objects (e.g. hands, clothes) of the user blends too much with the environment or the background is rather complex. Therefore, it's suggested to move closer to the camera and retry the gesture when recognition failed. 4. AI tracking will be less stable when enabling gesture control. - Will improve in the following version. 5. The edge of image gets distorted when camera is around 1x. - It is suggested to zoom in to at least 1.5x if image distortion interfered. 6. User may notice lens flare when capturing at a point of light source. - It is caused by the lens specification; however, it's not interfering normal usage. 7. Unknown USB 2.0 device and warning when plugging DL10 into PC/laptop with a USB 3.0 port after turning on the camera. - This behavior and warning are caused by camera chipset design. It doesn't affect the current USB function or leads to any malfunction to your computer. 8. Random failure of USB image when switching inputs on IFP. - This will resolved when re-plugging USB cable. 9. Webpage preview lag when using Firefox with hardware acceleration is on. - You may turn off the hardware acceleration within Firefox or using other browsers like

	Chrome. 10. A small percentage of users may experience random failure while connecting PC to DL10 through the network; it is caused by the incompatibility of the PC network card Realtek RTL8168E and DL10. We recommend connecting a hub in this setup or adding a passive PoE injector or splitter between your PC and DL10. A suggested model*** for this kit would be：https://www.amazon.com/Passive-Injector-Splitter-5-5x2-1-Connector/dp/B01LX1WL2Z *** [Note] The accessory recommendation is for reference only, not a guarantee. They may make some specification change without notifying AVer. Their product quality is also beyond AVer's control. We are not liable for any potential risk of 3rd party products. Please test it by yourselves before purchasing it in volume.