Products: TR310 / TR311 / TR311HN / TR313 / TR331 / TR333

| FW version	V.0.0.0000.39
Release date	2021/09/14
New features	1. Added HTTPS on/off and ability to upload certificate via webUI. (Under Network)

2. Enabled Zoom API, able to set preset1/2/3 in Zoom Rooms SW.
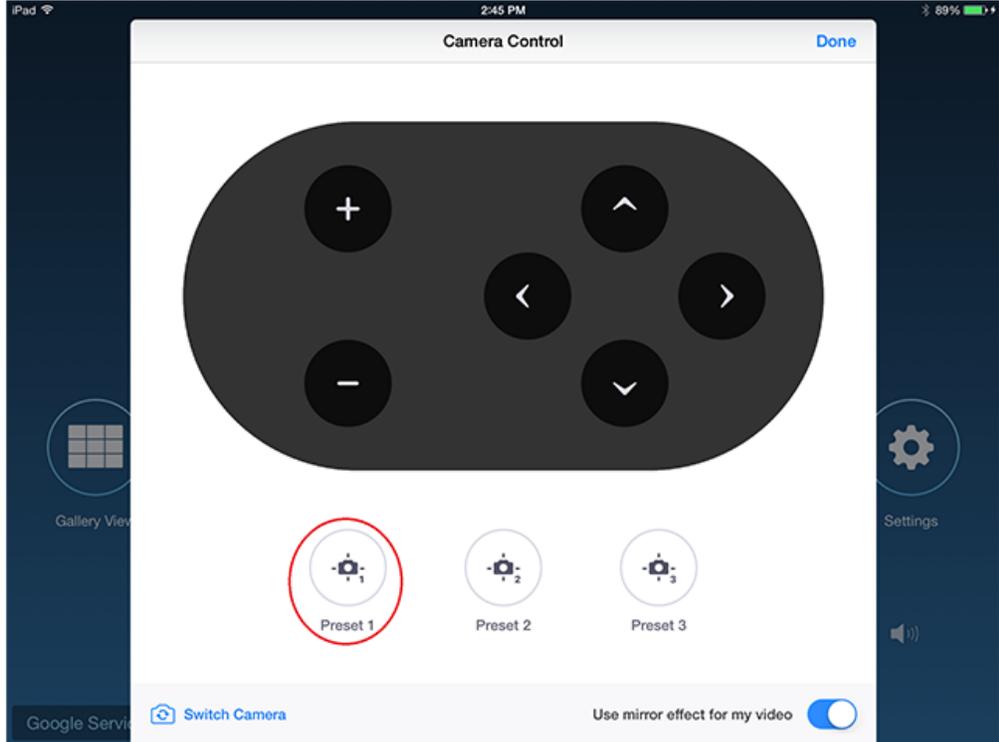
3. Added AW protocol on HDMI OSD menu. (Advanced Settings/Control/Protocol)
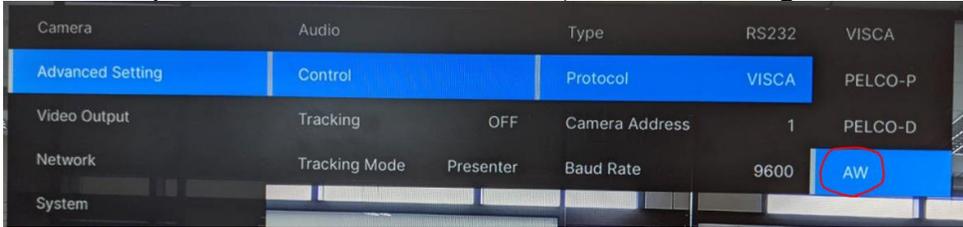
4. Added ability to set NDI "Group" function, but this feature will only be effective when the camera is upgraded to the NDI 5 in a near future upgrade. (Feature is also only available on the TR311HN)

5. Added ability to save preset for people size when Auto Zoom is Turned OFF.
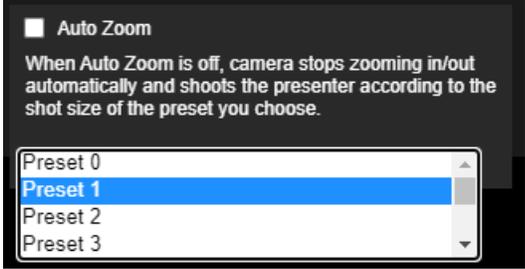
| Improvements	1. Bug fixed: Bug caused by the following sequence: When Sleep to preset is turned off and then clicking on "Timer" and then enabled Sleep to preset. 2. Bug fixed: camera FOV different after calling preset 1. 3. Bug fixed: when camera powers on and zone tracking mode is active, camera will not return to tracking point. 4. Improved Windows Camera APP compatibility. 5. Live image color improvement. (saturation setting has been lowered)
Known Issues	1. Web GUI has known compatibility issue with the Apple MAC Safari browser. Please use the Chrome browser on Apple devices for the meantime. 2. USB port does not yet support Hot plugging.

| FW version	V.0.0.0000.35
Release date	2021/06/11
New features	1. Added ability to automatically change "pan/tilt speed" relative to Zoom ratio of camera on Web UI, when zoom ratio is higher the pan/tilt speed automatically lowers by itself. 2. Added ability to save preset effects pan/tilt/zoom location and Auto focus value only. 3. Added ability to change "Resolution" of camera on Web UI.
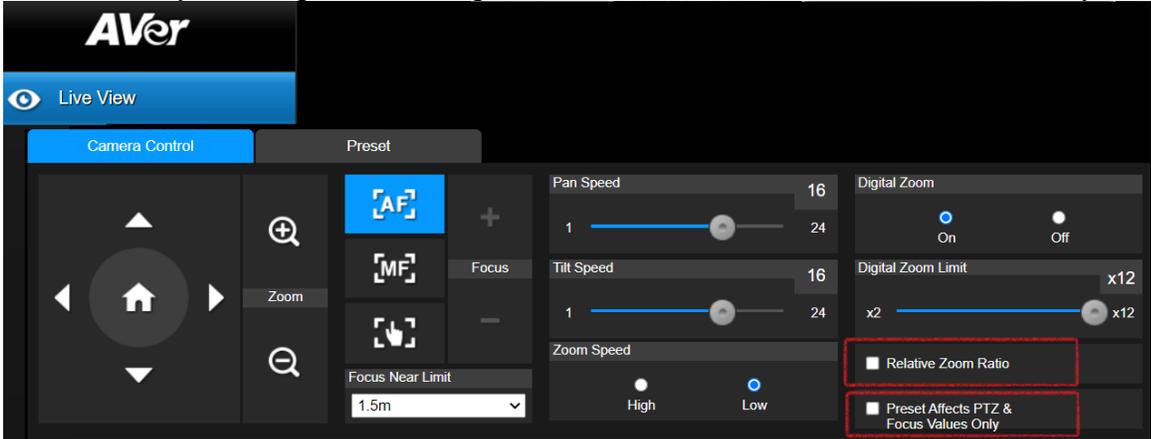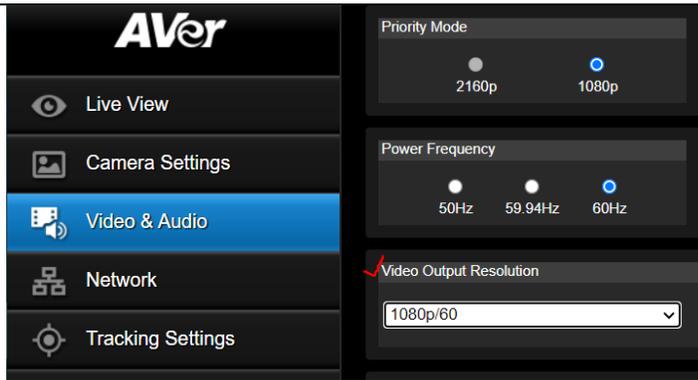
4. Added "Effective tracking area" and "Auto Zoom" setting of Hybrid mode via the Web UI.
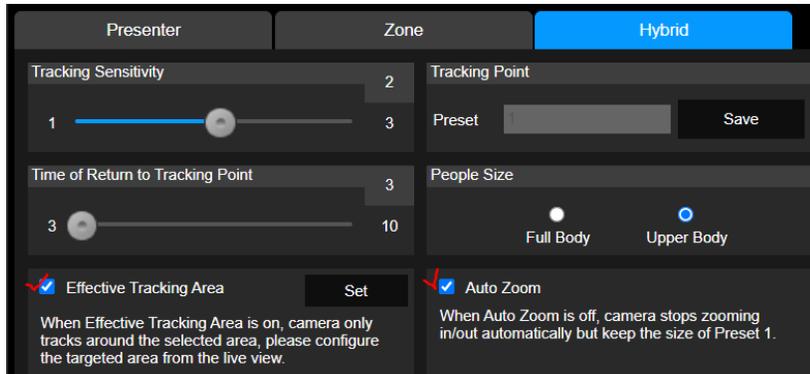

5. Added ability to execute "Reboot" of camera via the Web UI.
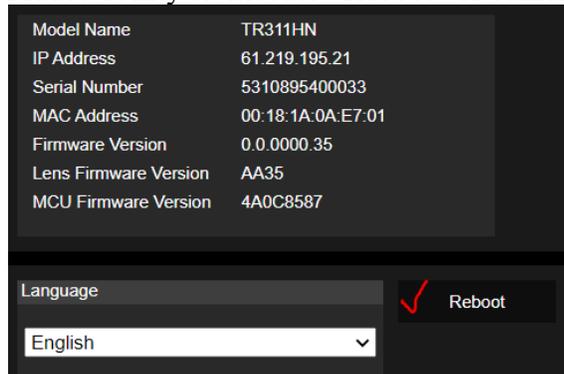
6. Added ability to import or export camera configuration file via the Web UI.
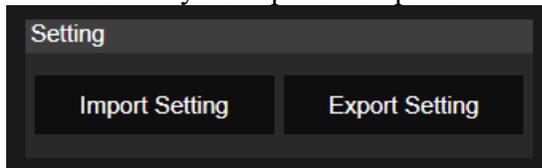
7. Added ability to execute some function via VISCA preset number on Web UI, allows user to execute some function from PTZ Camera Controller (compatible with VISCA)

Set VISCA Customized Functions ✕

Enable	Function Name	Preset Number
☑	Auto Tracking On	168
☑	Auto Tracking Off	169
☑	Enable Presenter mode	164
☑	Enable Zone mode	165
☑	Enable Hybrid mode	166
☑	Recall Tracking Point	162
☑	Switch Presenter	163
☑	Switch Tracking Mode	167
☑	Full Body	160
☑	Upper Body	161
☑	Tally On	96
☑	Tally Off	97
☑	OSD menu On/Off	95
☐	Reboot	200

OK
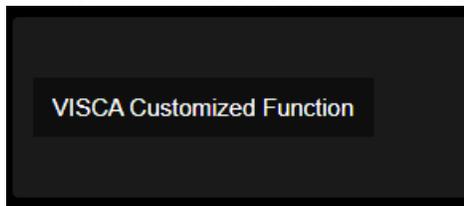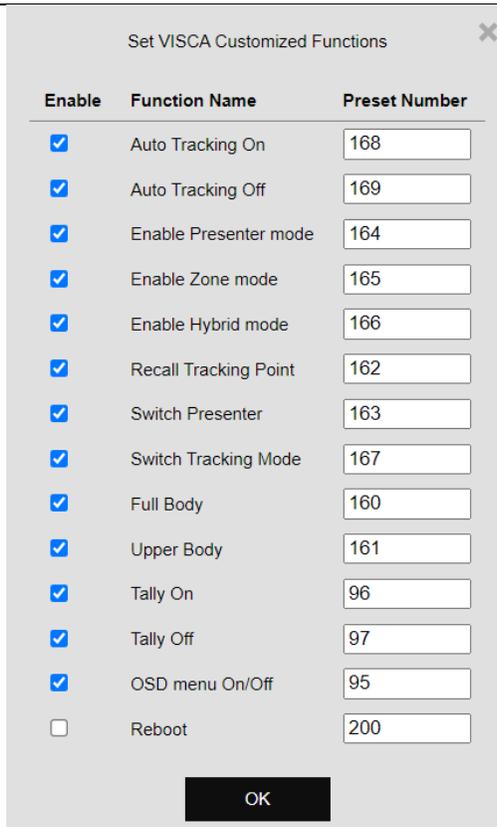
8. Added ability to use hot key to turn RTMP ON or OFF from the remote control "EV+" and "EV-". e.g. press and hold the "EV+" button via the remote control for over 1.5 sec to turn on RTMP. Press and hold "EV-" for at least 1.5 sec to turn off RTMP.

9. <u>Sleep mode</u> : added ability to trigger the camera to go to a certain preset when the UVC video stream is not active (eg. Video off in a Zoom call). This function is only applicable when the camera is in "USB only" Video mode.
10. <u>Sync. with tracking</u> : added ability to use UVC video ON/OFF to trigger the Auto Tracking ON/OFF. This function is only effective in sleep mode.
    <u>e.g.</u> When user turns off the camera within a ZOOM, TEAMS or MEET session, the camera will automatically turn off Auto Tracking.
11. <u>Sleep Timer</u> : added ability to set a timer to go to a preset after turning off UVC video.


Improvements	6. Supports NDI4.6.2 version of TR311HN. (NDI model only)
	7. The AVer OBS Plug-in update now supported.
	8. The cache will be automatically reloaded when the different firmware version is detected.
	9. Bug fix of "power off to preset", make camera go to correct preset.
Known Issues	3. After importing a new config file into a camera and then enabling Sleep mode, the camera may perform abnormally. Please reboot to resume normal operation.

|	4. Web GUI has known compatibility issue with the Apple MAC Safari browser. Please use the Chrome browser on Apple devices for the meantime. 5. USB port does not yet support Hot plugging.

FW version	**V.0.0.0000.30**
Release date	2021/04/01
New features	6. Added Power Up to Preset position setting on Web UI. 7. Added Power Off to Preset position setting on Web UI. 8. Added Tracking mode SET & GET mode commands to the CGI/VISCA command list. 9. Added ability to change "Hostname" of camera on Web UI. 10. Relocated the Tracking Controls to the Main Menu on the Web UI.
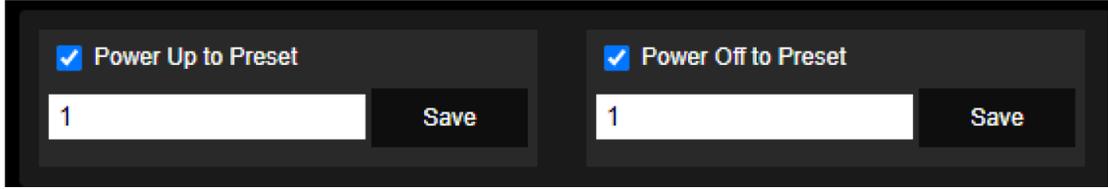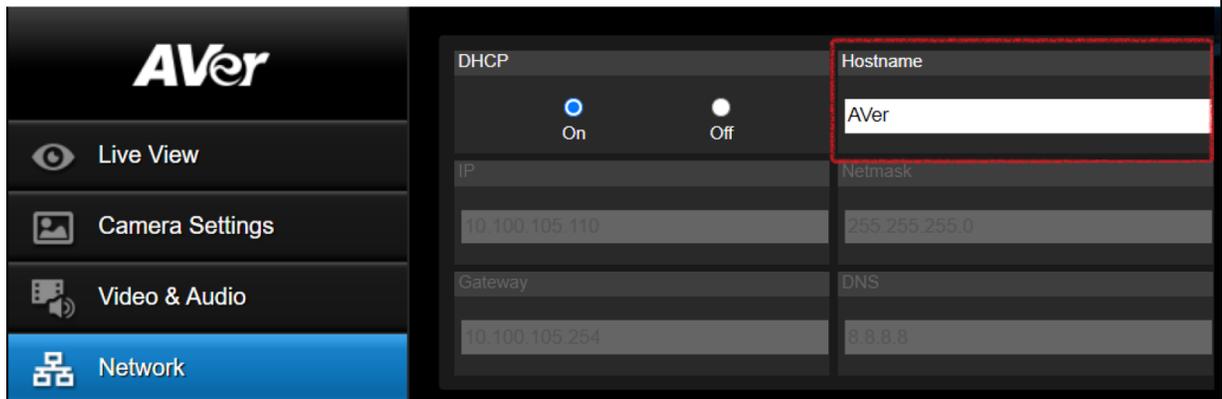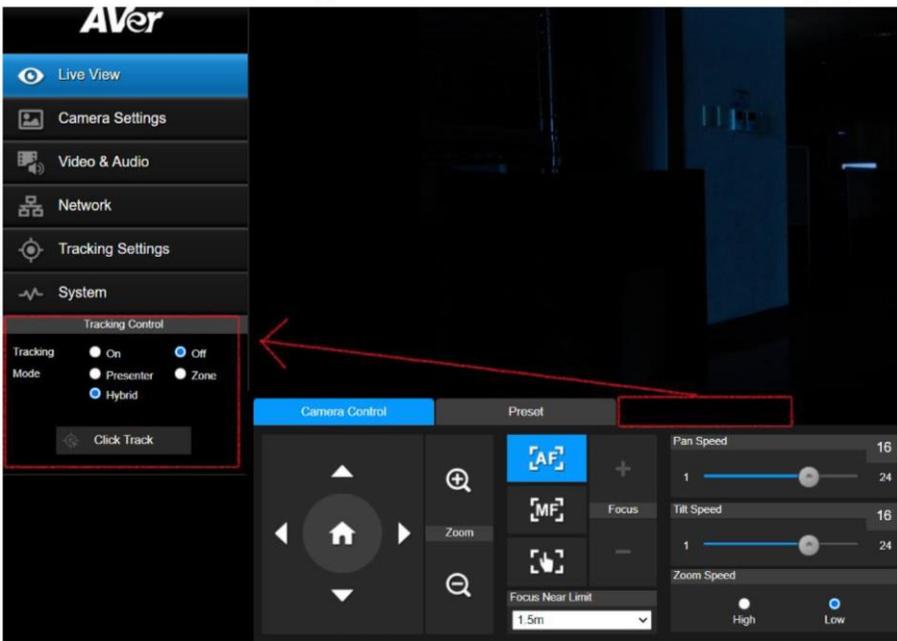
11. Added Effective Tracking Area function in Presenter Mode. If this is checked, the camera can be programmed to only track the subject within a predefined area of its view.
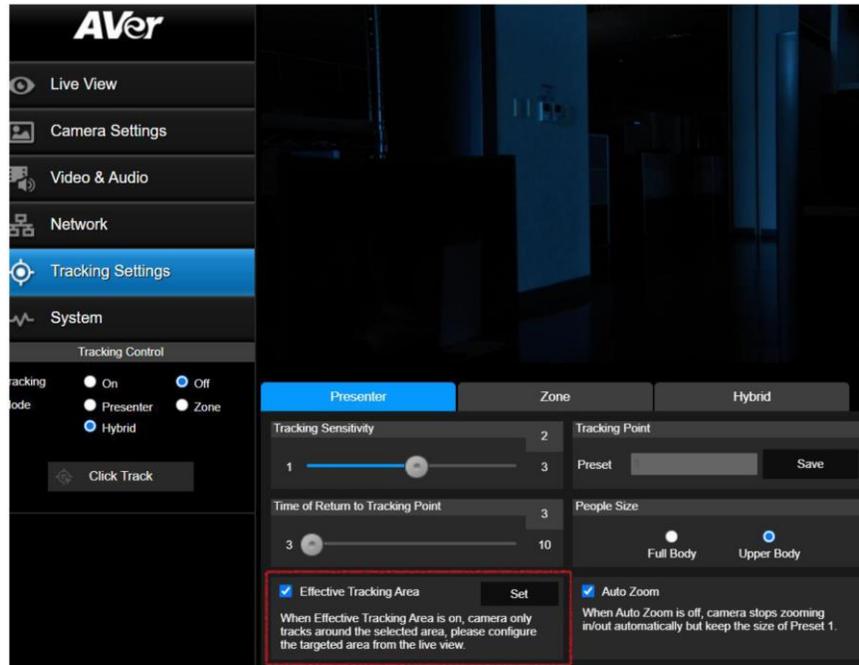

12. Added Auto Zoom Enable/Disable function in Presenter Mode. When checked, the initial zoom value once subject is acquired is preserved throughout the tracking experience.
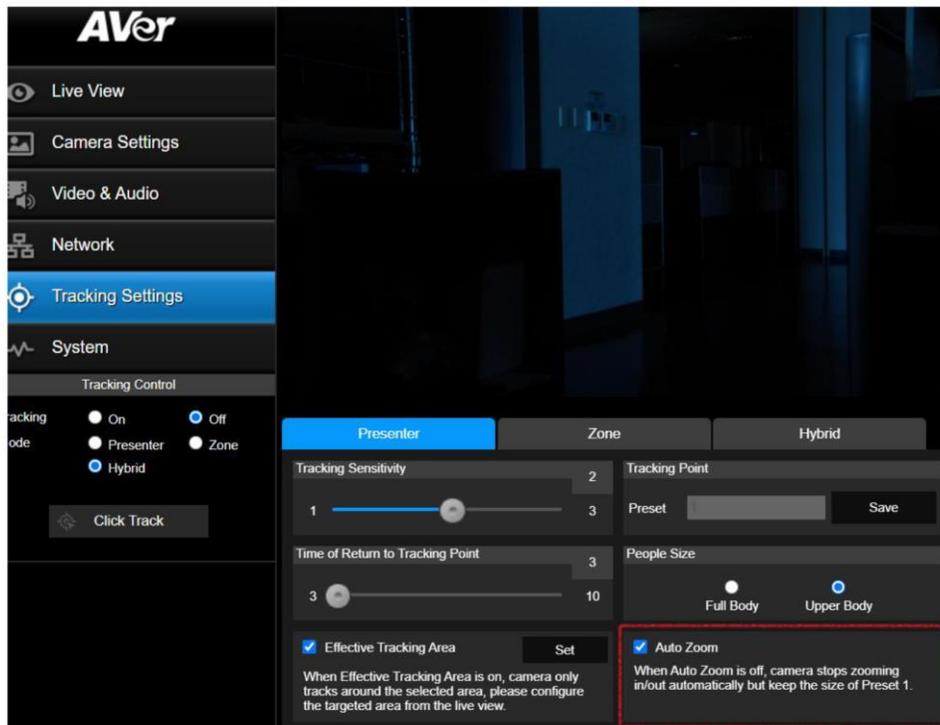

13. Added a new "Hybrid Mode" Tracking feature. This feature combines the best features of both the Presenter Mode and the Zone mode. Preset 10 through 13 is preserved for the Zone mode feature where the camera will automatically toggles to Zone mode whenever

the subject is within those preset zones. When the subject is outside of those predefined zones, the camera automatically switches to "Presenter mode".
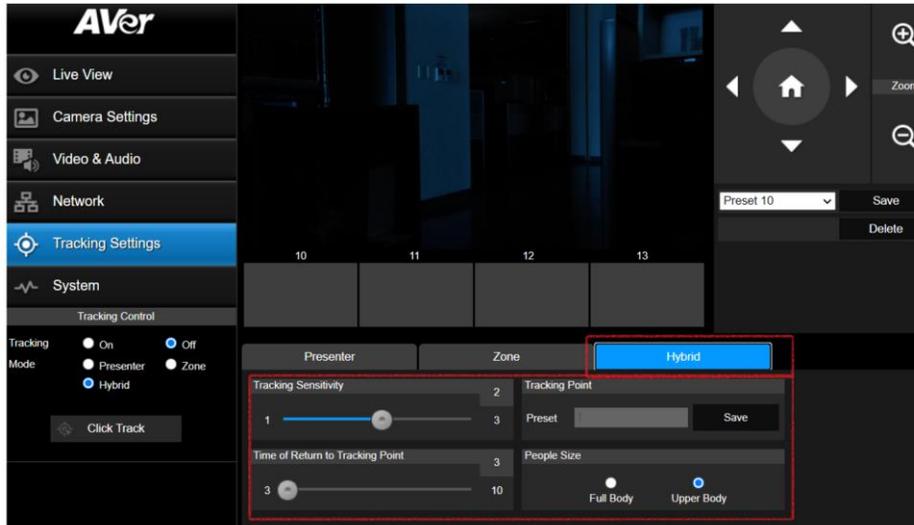
14. Added and improved on the method to "Save/Delete" presets in the Zone and Hybrid Mode setup screen.
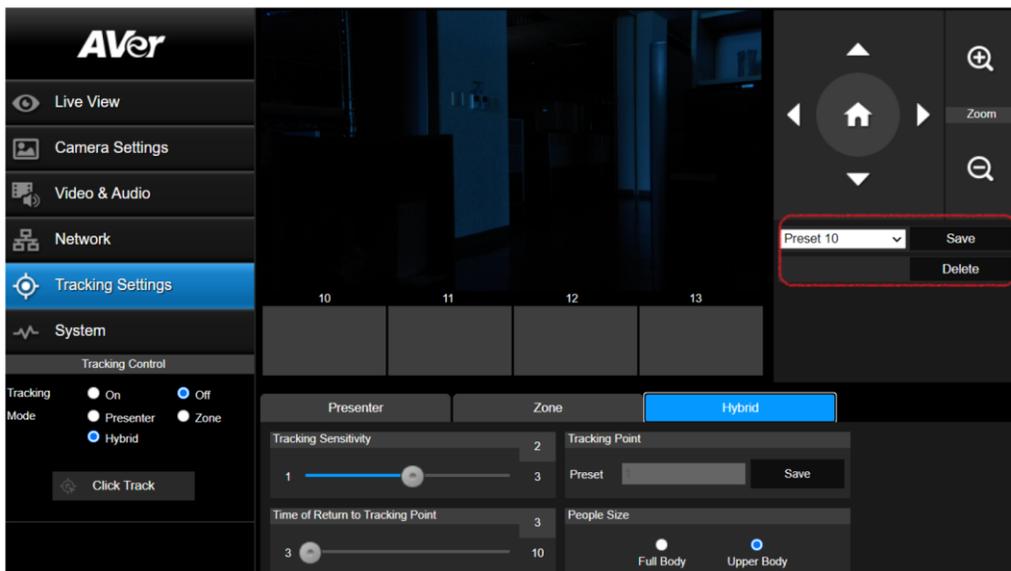
| Improvements	10. Improved and small bug fixes on SRT Streaming. 11. Improved on the camera NDI Streaming experience. 12. Small bug fixes on the Preset Exposure Setting. 13. Improved on preciseness of the preset recall location.
Known Issues	6. Web GUI has known compatibility issue with the Apple MAC Safari browser. Please use the Chrome browser on Apple devices for the meantime. 7. USB port does not yet support Hot plugging. 8. When the video mode via the web is set to IP streaming only or NDI only; then when the USB port is connected to a PC, users will still see the device name on the PC, but will not have any USB streaming output.

FW version	V.21
Release date	2020/10/26
New features	15. SRT support on web page > Network
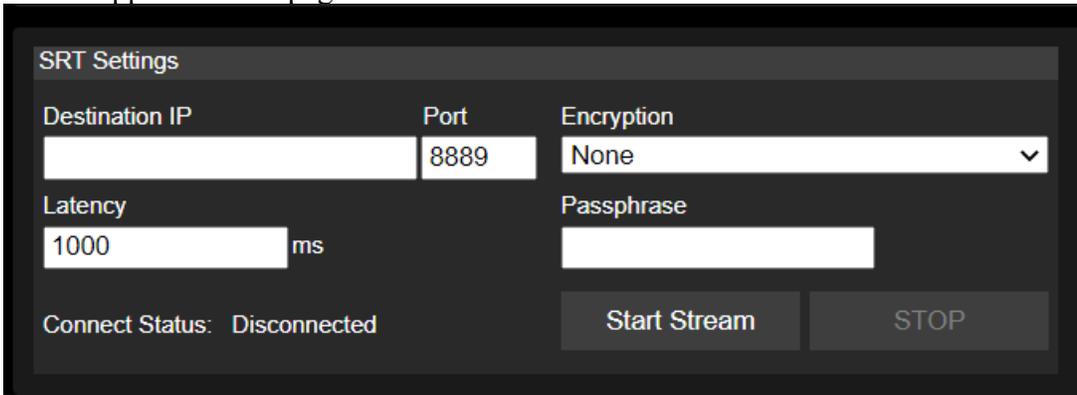
	16. Support added for PTZ Management. 17. Support for Captureshare. 18. When Auto Tracking is on, the front panel LED will blink in blue. 19. Long pressing the "Tracking point" on remote control switches the Tracking mode (between presenter or zone). 20. Executing any of these functions "Call preset/ pan/ tile/ zoom" will stop the Auto Tracking feature. 21. Visca control now supports freeze and tracking on/off , Full or Upper body setting.
Improvements	14. When using the "Upper body size" setting the video is enlarged a little for better user experience. 15. Supports UAC function (USB Audio). 16. Fixed bug related to RJ45 LED indicator.
Known Issues	9. Web GUI has known compatibility issue with the Apple MAC Safari browser. Please use the Chrome browser on Apple devices for the meantime. 10. The OSD menu text "Mode and shutter" text issue
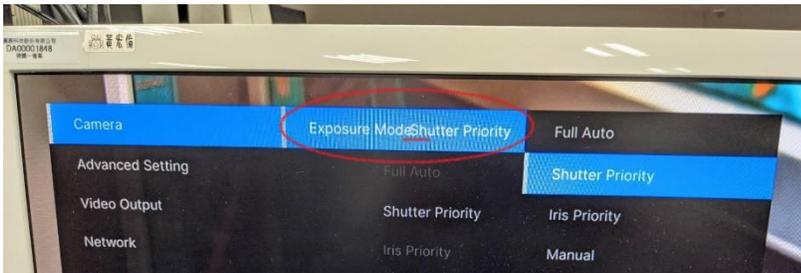
|	
	11. USB port does not yet support Hot plugging. 12. When the video mode via the web is set to IP streaming only or NDI only; then when the USB port is connected to a PC, users will still see the device name on the PC, but will not have any USB streaming output.

For more technical help, please visit: https://www.averusa.com/pro-av/support/

To access the AVer knowledgebase, visit: https://averusa.force.com/support/s/

To file for support, visit: https://averusa.force.com/support/s/contactsupport