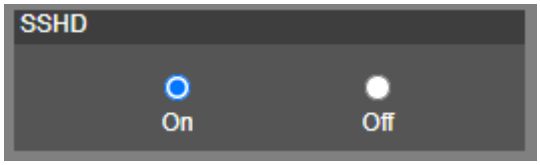
Release note

Product : PTZ310/PTZ330/PTZ310N/PTZ330N

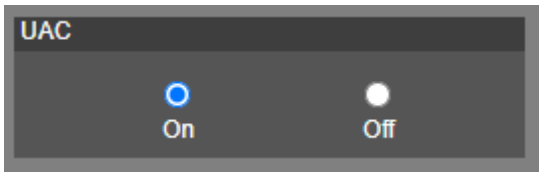
FW version	**V0.0.0000.83**
Release date	2022/12/23
New feature	1. Able to set SSHD on/off in webpage. (Network > SSHD)  2. Able set HTTPS only/on/off in webpage. (Network > HTTPS) 3. Added VISCA command

Command Set	**Command**	**Command Packet**	**Comments**
CAM_ICR(IR Cut)	On	8x 01 04 01 02 FF	Infrared Mode ON/OFF
	Off	8x 01 04 01 03 FF	
CAM_AutoICR(IR Cut)	On	8x 01 04 51 02 FF	Auto Infrared Mode ON/OFF
	Off	8x 01 04 51 03 FF	
	Threshold	8x 01 04 21 00 00 0p 0q FF	pq:threshold level
CAM_hdmi	hdmi On	8x 01 04 02 02 FF	hdmi ON/OFF
	hdmi Off	8x 01 04 02 03 FF	

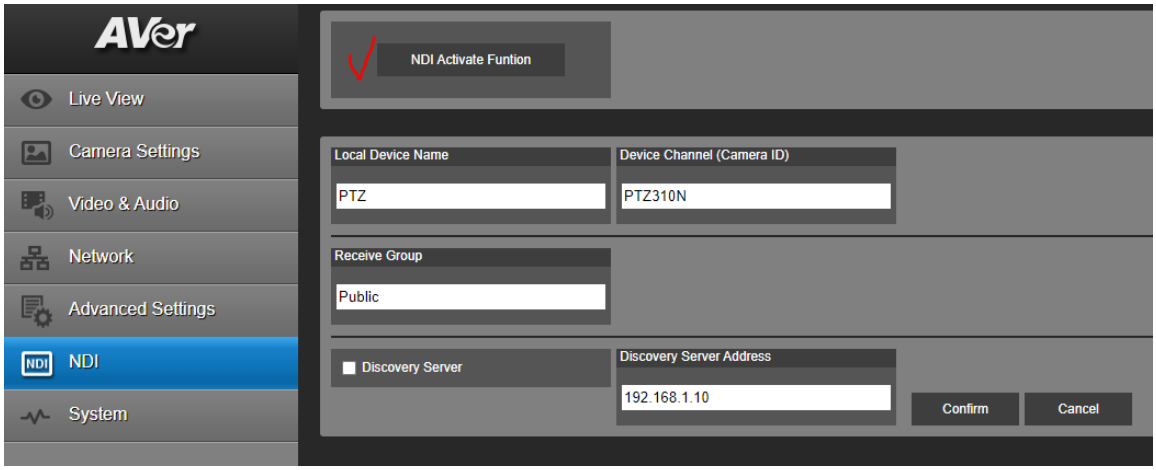
Inquiry Command	**Command packet**	**Reply Command Packet**	**Comments**
CAM_ICRModeInq (IR Cut)	8x 09 04 01 FF	y0 50 0p FF	p: 2=On, 3=Off
CAM_AutoICRModeInq (IR Cut)	8x 09 04 51 FF	y0 50 0p FF	p: 2=On, 3=Off
CAM_AutoICRThresholdInq	8x 09 04 21 FF	y0 50 00 00 0p 0q FF	pq: Threshold level
CAM_Hdmi_Port Inq	8x 09 7E 04 79 00 FF	y0 50 00 00 00 00 00 00 00 00 0p 0q 0r 0s FF	pqrs: Source physical address (See HDMI VSDB)
CAM_Hdmi_Port Inq	8x 09 7E 04 79 00 FF	y0 50 00 00 00 00 00 00 00 00 0p 0q 0r 0s FF	pqrs:Source physical address (See HDMI VSDB)

	4. Able to support CISCO codec plus. (Project base installation requirement.)
Improvement	1. Improvement: Able to adjust White Balance settings on Microsoft Teams. 2. Bug : Correct to show the NDI status when deactivating NDI from webpage. 3. Improvement: Enhance the NDI activation process, please use V83 for the NDI activation function, when the user enters the License key code to activate, AVer server will reject the activation of the old FW (V78).
Known issue	1. If the video mode (web page) setting in IP streaming only/ NDI only, when USB port connect with PC, still see the device name of PC side, but no UVC output. 2. The NDI.5 Reliable UDP feature is not supported.

FW version	V0.0.0000.78
Release date	2022/02/08
New feature	5. Able to set UAC on/off in webpage. (Video & Audio > UAC)



6. Added the ability to do NDI activate function and settings.



**To Get an NDI license key.

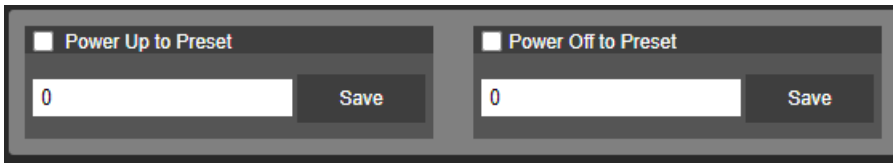
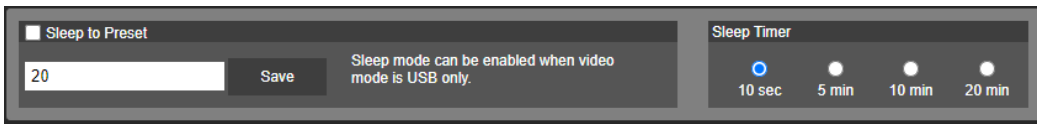
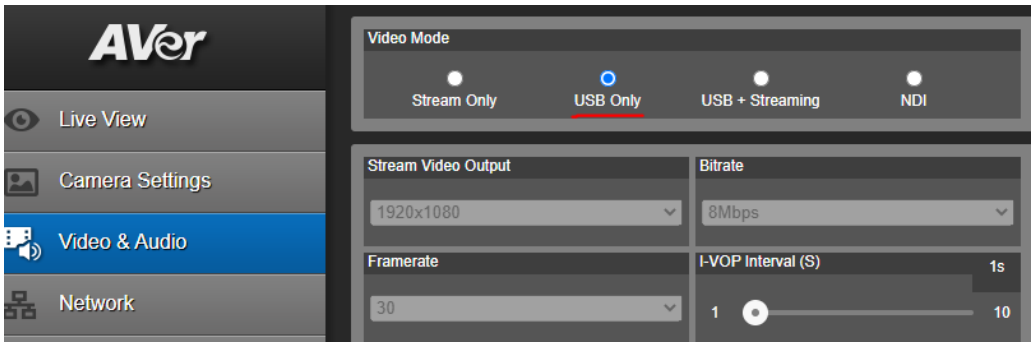
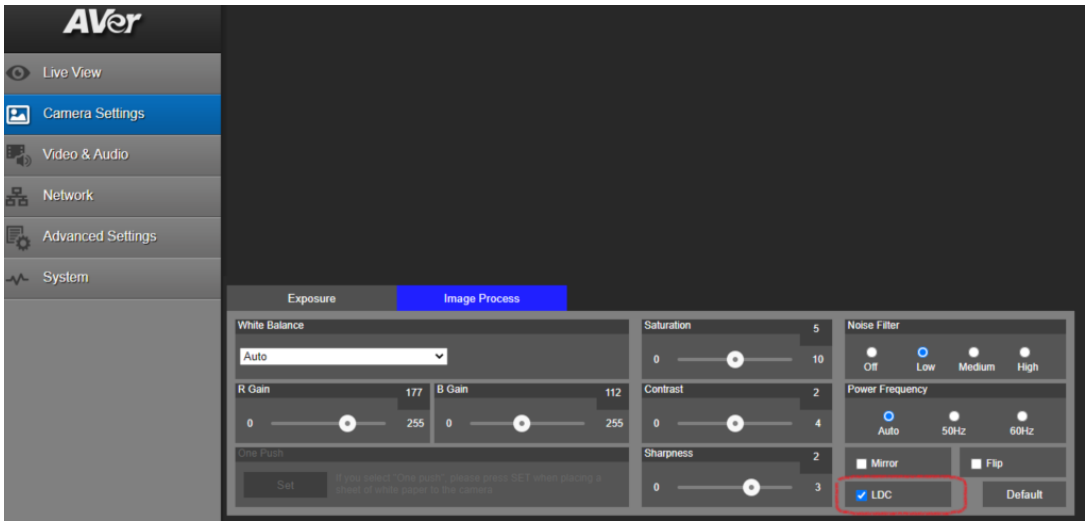
This camera is compatible with NDI|HX of NewTek, Inc. To use NDI|HX, you are required to purchase the license key from the URL of NewTek, Inc after July 28th,2022.

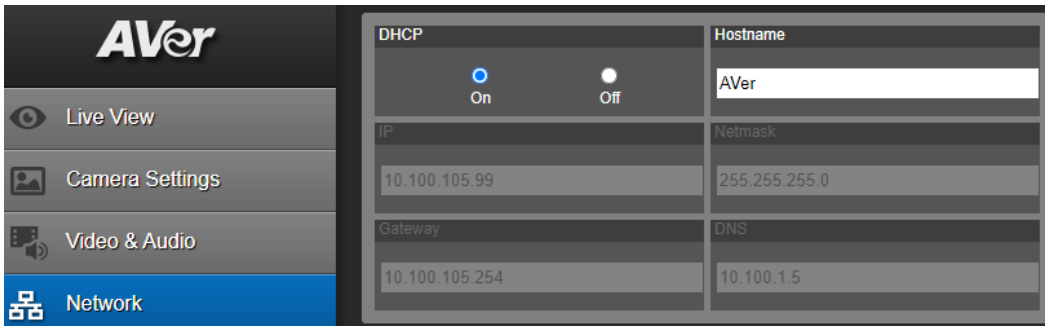
https://www.newtek.com/ndihx/products/upgrade/

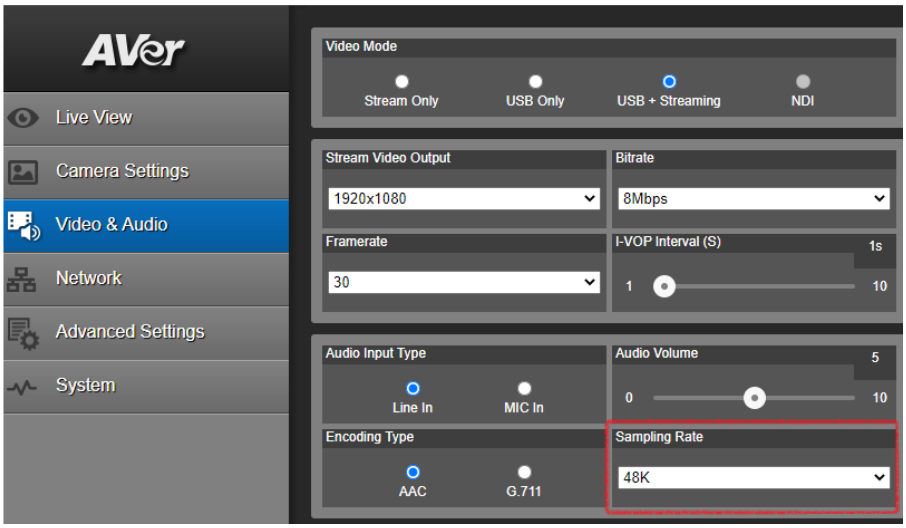
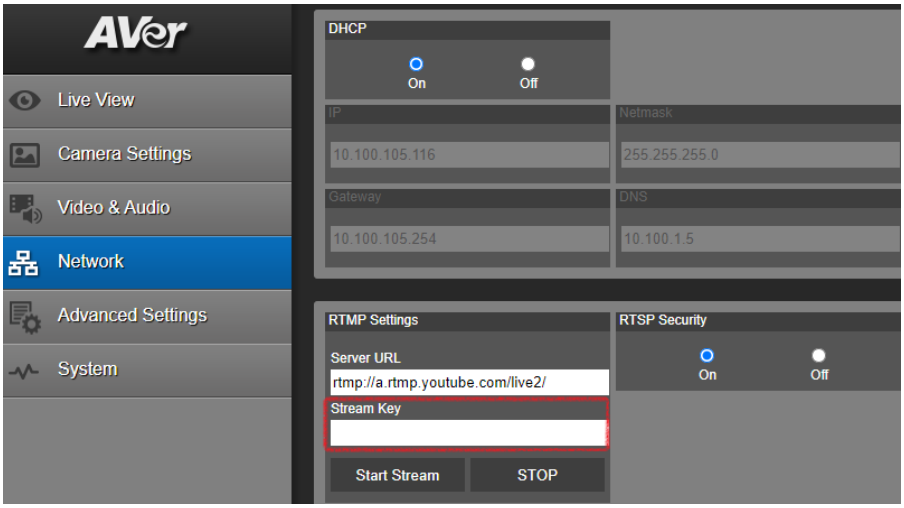
7. Added VISCA inquire command

Inquiry Command	Command packet	Reply Command Packet	Comments
CAM_FocusPosInq	8x 09 04 48 FF	y0 50 0p 0q 0r 0s FF	pqrs: Focus Position
CAM_Preset Inq	8x 09 04 3F FF	y0 50 pp FF	Return the last preset number which has been operated pp:01 - FF
CAM_SmartFrame Inq	8x 09 36 69 01 FF	y0 50 02 FF	ON
		y0 50 03 FF	OFF
CAM_SmartShoot Inq	8x 09 36 69 02 FF	y0 50 02 FF	ON
		y0 50 03 FF	OFF
CAM_Preset FreezeInq	8x 09 04 62 02 FF	y0 50 02 FF	Preset Freeze On
		y0 50 03 FF	Preset Freeze Off
CAM_PT Slow Inq	8x 09 06 44 FF	y0 50 0p FF	p: 2=On, 3=Off
CAM_Prset speedInq	8x 09 7E 04 1C FF	y0 50 0p 0p FF	pp:01 to 06
CAM_Firmware versionInq	8x 09 36 69 04 FF	y0 50 0p 0q 0r 0s 0t 0u 0v 0w FF	fw_ver: p.q.rstu.vw
CAM_ICRModeInq (IR Cut)	8x 09 04 01 FF	y0 50 0p FF	p: 2=On, 3=Off

	8. Able to support LLDP (Link Layer Discovery Protocol).
Improvement	4. Improve RTMP audio on Vimeo 5. Improve White Balance/ One Push function to save the R gain / B gain value.
Known issue	3. If the video mode (web page) setting in IP streaming only/ NDI only, when USB port connect with PC, still see the device name of PC side, but no UVC output. 4. The NDI.5 Reliable UDP feature is not supported.

FW version	V0.0.0000.70
Release date	2020/04/13
New feature	9. Added Power Up to Preset position setting on Web UI. 10. Added Power Off to Preset position setting on Web UI.  11. Added Sleep to Preset position setting on Web UI, this is for ZOOM cert from 2021 April.(visit ZOOM website of announcement: https://support.zoom.us/hc/en-us/articles/360033608731-Certified-Zoom-Rooms-Devices  P.S Sleep mode only can be activated in “USB Only” Video mode, when user stop USB video and camera will go to Sleep position.  12. Added Lens Distortion Correction enable/disable button on webpage of PTZ330/PTZ330N.  13. Added ability to change “Hostname” of camera on Web UI.

	
Improvement	6. Support NDI4.6.2 version of PTZ310N/330N. 7. OBS Plug-in update 8. SW Captureshare snapshot bug free.
Known issue	1. If the video mode(web page) setting in IP streaming only/ NDI only, when USB port connect with PC, still see the device name of PC side, but no UVC output.

FW version	V.66
Release date	2021/01/27
New feature	na
Improvement	1. Improve RTSP video streaming quality. 2. Improve RTSP audio quality after changing sample rate.  3. Improve RTSP “Stream Key” information sync, no need to reboot the camera.  4. Improve FW update process on web page.
Known issue	1. If the video mode(web page) setting in IP streaming only/ NDI only, when USB port connect with PC, still see the device name of PC side, but no UVC output.