

Release note

Product:

PTZ Camera: PTZ211/PTZ231/PTZ310UV2/PTZ310UNV2/PTZ330UV2/PTZ330UNV2

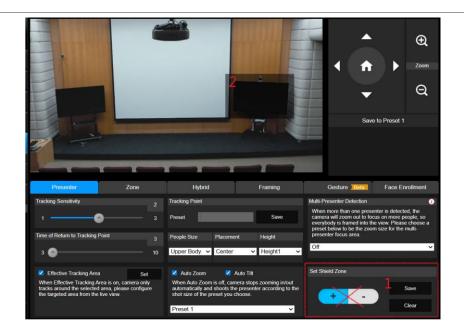
Tracking Camera: TR211/TR315/TR315N/TR335/TR335N

FW version	V0.0.0000.64				
Release date	2025/11/07				
New Feature	. Added an Image Quality configuration option designed of Camera setting page to				
	comply with various certification requirements (e.g., Microsoft Teams, Zoom Rooms),				
	providing enhanced compatibility and deeper integration with professional video				
	conferencing systems.				
	Exposure Image Process IQ				
	IQ Mode				
	Standard				
	Standard				
	ZOOM Teams				
lm myoyom om t	1. Circultaneous non and tilt movement when transitioning to a proced position				
Improvement	 Simultaneous pan and tilt movement when transitioning to a preset position, providing a smoother and more fluid visual experience. 				
	providing a smoother and more fluid visual experience.				
	2. Improved auto focus transition speed between preset positions with identical zoom				
	ratios during voice tracking on the MT300 to deliver a smoother visual experience.				
	3. (Bug Fixed) Optimized VISCA command response to improve speed and stability				
	when quickly switching between preset positions.				
	4. (Bug Fixed) Corrected the Shield Zone configuration UI to allow defining one shield				
	zone that blocks the TV screen during Teams calls, preventing duplicate presenter				
	faces and improving streaming stability.				
	*This feature is available only on TR cameras.				
	Set Shield Zone				
	Save Clear				



FW version	V0.0.0000.60			
Release date	2025/09/02			
New Feature	2. Added Face Enrollment feature to preload presenter faces, ensuring the camera			
	only tracks designated professors while skipping students' faces to comply with			
	school privacy rules. Supports preloading up to 20 presenter faces, making			
	classroom tracking more accurate and secure. Note: Face Enrollment – Privacy Notice			
	Registered face data is stored only inside the camera and will not be transmitted to			
	AVer or third parties.			
	Data is used only for auto-tracking, not for other purposes.			
	Users can delete registered face data at any time.			
	Inform the person before enrollment and obtain consent if required by local law.			
	Use must comply with applicable privacy and data protection regulations (e.g.,			
	GDPR, CCPA).			
	Edit data(1/20) Same to Present 1 Frace Conditions Radio Conditi			
	3. Added Shield Zone feature to allow skipping a presenter's face during Teams calls.			
	The current version supports configuring one shield zone. Users can click the "Set"			
	button, drag a box on the screen to define the shielded area, and click "Save" to			
	complete the setup. This helps prevent unwanted tracking and ensures smoother			
	video performance.			

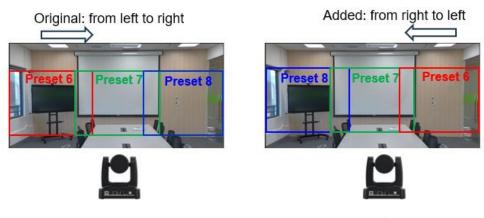




4. Added support for Multicast in Dante AV-H, enabling more efficient network bandwidth usage and improved scalability in AV-over-IP deployments.

Improvement

 Added support for setting presets 6/7/8/9 in both directions on Zone Tracking for TR211, TR315, and TR335 cameras, making it easier for users to configure and reducing the chance of setup errors. Also improved SmartShoot functionality on PTZ211/PTZ231/PTZ310U(N)V2 and PTZ330U(N)V2 models.

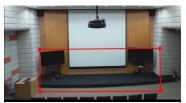


2. UAC can now be enabled or disabled independently in Standard/NDI mode, while it is automatically disabled in Teams/Zoom mode to comply with certification requirements. This ensures compatibility and reduces potential configuration conflicts for users.





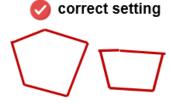
- 3. Improved image quality with more natural color reproduction for a lifelike appearance and enhanced auto white balance to deliver more stable and balanced video. This provides users with clearer, more true-to-life visuals.
- 4. Enhanced the effective tracking area shape from a rectangle (four corners) to a pentagon (five corners), allowing better coverage of round stages and ensuring more accurate presenter tracking.





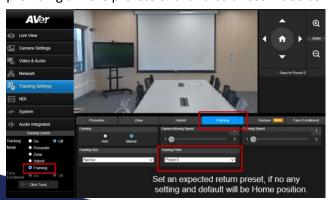


Note: All five angles of the pentagon must be convex (outward), and none of them can be concave (inward).





5. Improve People Framing feature to automatically center participants in the frame, providing a more professional and balanced video composition.



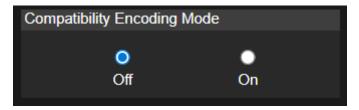


6. Redefine the NDI Camera logic to use the model's name combined with the last 6 digits of the MAC address.

Note: When upgrading an existing TR315 camera to FW V60, the hostname will remain unchanged. However, once the "Default" option is executed on the OSD, the hostname will update to the model's name combined with the last 6 digits of the MAC address.



- 7. **Compatibility Encoding Mode:** When enabled, the camera uses Multi-Slice encoding to improve compatibility and performance on certain devices when playing UHD content.
 - **Note 1:** Recommended to enable only for specific decoding compatibility requirements; otherwise, it can remain off by default.
 - **Note 2:** Multi-Slice encoded data can be decoded using multiple threads, whereas without it, decoding is single-threaded. This can significantly reduce CPU load on systems using software decoding.



8. **GOP Value:** This parameter sets the number of frames between two I-frames (key frames) to control the insertion frequency of I-frames in the video.

When **I-VOP Interval** is set to 0 seconds, the system inserts I-frames based on the GOP Value.

When **I-VOP Interval** > 0, the system inserts I-frames according to the specified time interval, and the GOP Value will not be used.

Note:

An I-frame (key frame) is a type of frame in video compression with the following characteristics:

A. It is a fully encoded frame that can be decoded independently of other frames.



- B. Commonly used as the starting frame of a GOP (Group of Pictures).
- C. Helps quickly restore clear images during scene changes or fast motion.
- D. More I-frames improve video stability and decoding ease but increase file size.

When the I-VOP Interval is set to 0 seconds, users can configure the GOP value between 0 and 120 to control the frequency of I-frame insertion.



When the I-VOP Interval is greater than 0 seconds, the GOP setting is disabled and grayed out.



- 1. We recommend using the Chrome browser for configuring webpages.
- 2. When using NDI video theme mode, the USB video stream will be temporarily paused in order to ensure the best possible NDI HX3 video streaming experience.
 - *Simultaneous outputs in different video theme modes:

	PTZ310UNV2/PTZ330UNV2	PTZ310UV2/PTZ330UV2
Video modes	TR315N/TR335N	PTZ211/PTZ231/TR315/TR335
	HDMI/IP/NDI HX2/USB (4KP60)	HDMI/IP/USB(4KP60) &
Standard/Teams/Zoom	3G-SDI (1080P60)	3G-SDI (1080P60)
	HDMI/IP/NDI HX3 (4KP60) &	NIA.
NDI	3G-SDI (1080P60)	NA

- 3. HTTPS: Enable HTTPS to establish a secure connection between the browser and the camera. To enable HTTPS, please follow the steps below.
 - A. Obtain an SSL certificate in base-64 encoding format for encryption and decryption, and a private key in PKCS#8 format (must be unencrypted).
 - B. Convert the required certificate content into PEM format. The SSL certificate uploaded to the camera must be in PEM format.
 - C. In the HTTPS settings field, select "On", then click "Choose File" to select the certificate file, and then click "Upload".



FW version	V0.0.0000.56				
Release date	2025/04/06 updated				
New Feature					
Improvement	Improved 3G-SDI compatibility to address rare cases where certain devices show				
	no signal on the first connection but display properly after re-plugging.				
	2. SmartFrame is available only on V2 PTZ camera:PTZ211, PTZ231,				
	PTZ310U(N)V2, and PTZ330U(N)V2.				
	Manual framing has been upgraded to Auto Framing, utilizing sensor zoom.				
	When SmartFrame is enabled, the resolution will be limited to 1080p.				
	How to use:				
	 Set the desired detection area as Preset 1. This will define the effective 				
	area.				
	Enable the SmartFrame button as shown below.				
	SmartFrame				
	Automatically frames people in the center and requires preset 1 to be set as the effective area. Save to Preset 1 Enable Disable				
	Note: This is an alternative solution. The final version is expected by the end of June.				
	3. Dante Ready SDK Preloaded in "N" models:TR315N/TR335N				
	The Dante Ready SDK is now preloaded into the camera, allowing users to enable				
	Dante AV-H through Dante software (Dante Controller).				
	How to use:				
	 Set the Camera theme mode of "Dante" from camera webpage. 				
	 Install Dante Controller to activate "Dante Ready". 				
	https://www.getdante.com/products/software-essentials/dante-controller/				
	(Dante controller is free to download)				





- 4. We recommend using the Chrome browser for configuring webpages.
- 5. When using NDI video theme mode, the USB video stream will be temporarily paused in order to ensure the best possible NDI HX3 video streaming experience.
 - *Simultaneous outputs in different video theme modes:

	PTZ310UNV2/PTZ330UNV2	PTZ310UV2/PTZ330UV2
Video modes	TR315N/TR335N	PTZ211/PTZ231/TR315/TR335
Standard/Tooms/700m	HDMI/IP/NDI HX2/USB (4KP60)	HDMI/IP/USB(4KP60) &
Standard/Teams/Zoom	3G-SDI (1080P60)	3G-SDI (1080P60)
NDI	HDMI/IP/NDI HX3 (4KP60) &	NIA.
NDI	3G-SDI (1080P60)	NA

- 6. HTTPS: Enable HTTPS to establish a secure connection between the browser and the camera. To enable HTTPS, please follow the steps below.
 - D. Obtain an SSL certificate in base-64 encoding format for encryption and decryption, and a private key in PKCS#8 format (must be unencrypted).
 - E. Convert the required certificate content into PEM format. The SSL certificate uploaded to the camera must be in PEM format.
 - F. In the HTTPS settings field, select "On", then click "Choose File" to select the certificate file, and then click "Upload".



FW version	V0.0.0000.50				
Release date	2025/02/14				
New Feature	1. Dante Ready SDK Preloaded in none-N	DI			
	models:TR211/TR315/TR335/PTZ211/F	PTZ231/PTZ310UV2/PTZ330UV2			
	The Dante Ready SDK is now preloaded	into the camera, allowing users to enable			
	Dante AV-H through Dante software (Da	ante Controller).			
	How to use:				
	 Set the Camera theme mode of " 	Dante" from camera webpage.			
	 Install Dante Controller to activate "Dante Ready". https://www.getdante.com/products/software-essentials/dante-controller/ (Dante controller is free to download) 				
	AVer	quency			
		OHZ 59.94HZ 60HZ			
	Live View	STATE STATE			
	Video Out	put Resolution			
	Video & Audio	0 ~			
	Theme Mode Standard Standard Standard Standard Standard Teams				

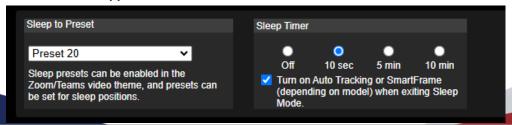
2. Auto Tracking can now be automatically enabled when connected to a USB video output, without the need for remote control. This user-friendly configuration ensures that Auto Tracking activates alongside USB video output and disables when USB video is disconnected, with the camera returning to a sleep preset to maintain user privacy.

NDI

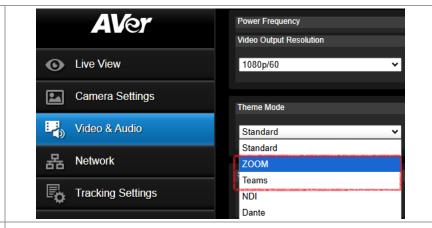
Dante

| | | | Audio Integrated

This feature is supported in two video modes: Teams and Zoom.



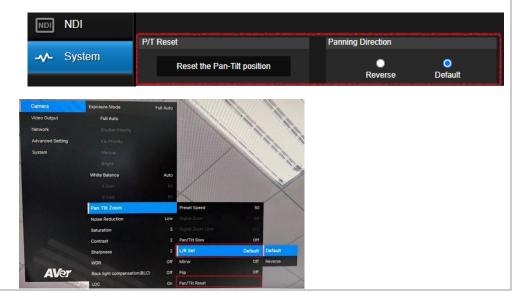




Improvement

- 1. Improved VISCA Auto Focus Command: The focus command now functions as a press-hold-release action. When pressing the Focus Far/Near button, the camera continues focusing (hold) until the button is released.
- 2. Added "P/T Reset" and "Panning Direction (L/R Set)" to the Web Interface and OSD Manual to prepare for the new remote control rollout in Q2, we have added the "P/T Reset" and "Panning Direction (L/R Set)" options to the web interface and OSD manual. The new remote control features a simpler design, removing two buttons and relocating their functions to the web interface and OSD manual.

Both the current and new remote controls will be fully compatible with the camera. Please see the new remote control design below.





Remote Control Your device may come with one of the following remote controls. 1 2 3 \equiv 4 (5) (6) 1 2 3 7 8 9 4 5 6 7 8 9 17 18 (-) 5 19 20 13 14 15 21 (AUTO) (FREEZE 9 AUTO TRACEPUS FULL SWETCH TRACEP FOREIT 10 10 -(B-4) ((ii) ((i)) (*) **AVer NEW** Current

- 3. Bug Fix: Resolved an issue where the live image would freeze when switching to Portrait mode while connected to an HDMI output.
- 4. Bug Fix: Resolved a 2-second timer delay issue, where the actual delay was 12 seconds instead of the configured 10 seconds when disconnecting a Zoom Room meeting.



- 1. We recommend using the Chrome browser for configuring webpages.
- 2. When using NDI video theme mode, the USB video stream will be temporarily paused in order to ensure the best possible NDI HX3 video streaming experience.
 - *Simultaneous outputs in different video theme modes:

	1	ı
Video modes	PTZ310UNV2/PTZ330UNV2	PTZ310UV2/PTZ330UV2
video modes	TR315N/TR335N	PTZ211/PTZ231/TR315/TR335
Standard/Tooms/700m	HDMI/IP/NDI HX2/USB (4KP60)	HDMI/IP/USB(4KP60) &
Standard/Teams/Zoom	3G-SDI (1080P60)	3G-SDI (1080P60)
	HDMI/IP/NDI HX3 (4KP60) &	N.A.
NDI	3G-SDI (1080P60)	NA



- 3. HTTPS: Enable HTTPS to establish a secure connection between the browser and the camera. To enable HTTPS, please follow the steps below.
 - G. Obtain an SSL certificate in base-64 encoding format for encryption and decryption, and a private key in PKCS#8 format (must be unencrypted).
 - H. Convert the required certificate content into PEM format. The SSL certificate uploaded to the camera must be in PEM format.
 - I. In the HTTPS settings field, select "On", then click "Choose File" to select the certificate file, and then click "Upload".



FW version	V0.0.0000.47					
Release	2024/11/22					
date						
New	4. Able to	enable the NDI HX	3 through FW upgrad	de and without any activation process.		
Feature	*Remar	*Remark1: If your camera has previously activated NDI HX2 using a license key, this				
	firmware upgrade will enable NDI HX3 directly.					
	*Remark2: Deactivation requires downgrading the firmware.					
		Built-in NDI				
	Video Band	dwidth	Stream Video Output			
	•	• •	3840x2160	~		
	Low	Medium High NE	DI HX3			
		NDI6 Bridge function	ON NDI Bridge Name NDI Brid	lge Port NDI Bridge Encryption Key		
	■ NDI Brid	192.168.1.11	NdiBridge 5990	де гит пи виде шиурши кеу		
	6. Added N	NDI status indicato	r for NDI streaming:	red indicates disconnected, green		
		es connected.	J. J	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
	■ NDI Brid	NDI Bridge IP Address	NDI Bridge Name NDI Brid	ge Port NDI Bridge Encryption Key		
		192.168.1.11	NdiBridge 5990			
	7. Added 0	ONVIF command si	upport for the BOSCH	H CCS1000 D Digital Discussion System.		
				lutions/conference-solutions/plug-		
	and-p	lay-digital-discus	sion/			
	0 4444	Comora Coloctor	on the webness (less	atad an the Custom nage)		
	8. Added a Camera Selector on the webpage (located on the System page). Camera Selector					
	1		~			
	9. Remote control (Hotkey) supports the following functions:					
	Button F	unction name	How to use	Functions description		
	6 F	actory default	Press 6 times	Restore factory default settings		
			(666666)			



7	AI frame*	Press 7 times	Shown Human AI frame on HDMI	
		(7777777)	output	
8	Set Static IP	Press 8 times	Set the IP address to static IP	
		(8888888)	(192.168.1.168)	
9	Account Default	Press 9 times	Restore account settings to default	
		(99999999)		

*When AI frame is enabled, both image quality and AI performance may be affected. It is recommended to enable this feature only for troubleshooting purposes.

10. Able to do digital zoom of 1080p resolution.

Improveme nt

11. Correct the name of the Audio integrated function:



12. Redefine the hostname logic to use the model's name combined with the last 6 digits of the MAC address.

Note: When upgrading an existing TR535 camera to FW V47, the hostname will remain unchanged. However, once the "Default" option is executed on the OSD, the hostname will update to the model's name combined with the last 6 digits of the MAC address.



13. **Stream Video Output**: Change the default Bitrate setting from 4Mbps to "Auto" to improve video quality.

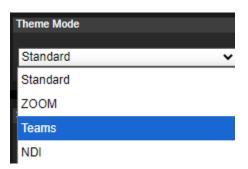
Note1: When upgrading an existing camera to FW V47, the Bitrate setting will remain unchanged. However, once the "Default" option is executed on the OSD, the Bitrate will be updated to "Auto."

Note2: The default "Auto" Bitrate will be configured according to different resolutions as shown in the following table.



	Non-NDI Theme mode		NDI Theme mode		de		
Resolution	60FPS	30FPS	<30FPS		60FPS	30FPS	<30FPS
2160n	H265:32M	H265:16M	H265:8M		H265:56M	H265:56M	H265:56M
2160p	H264:64M	H264:32M	H264:8M		H264:56M	H264:56M	H264:56M
1080p	H265:16M	H265:8M	H265:4M		H265:40M	H265:40M	H265:40M
1090h	H264:16M	H264:8M	H264:4M		H264:40M	H264:40M	H264:40M
720n	H265:8M	H265:4M	H265:2M		H265:24M	H265:24M	H265:24M
720p	H264:8M	H264:4M	H264:2M		H264:24M	H264:24M	H264:24M
F 40 n	H265:8M	H265:4M	H265:2M		H265:20M	H265:20M	H265:20M
540p	H264:8M	H264:4M	H264:2M		H264:20M	H264:20M	H264:20M
4900	H265:4M	H265:2M	H265:1M		H265:12M	H265:12M	H265:12M
480p	H264:4M	H264:2M	H264:1M		H264:12M	H264:12M	H264:12M
2600	H265:2M	H265:1M	H265:512K		H265:12M	H265:12M	H265:12M
360p	H264:2M	H264:1M	H264:512K		H264:12M	H264:12M	H264:12M

- 14. Optimized the network logic: The default setting is DHCP. If the camera fails to obtain an IP address within 30 seconds, it will switch to a static IP. Once a DHCP server is detected, the camera will automatically revert to DHCP mode.
- 15. Optimized the Teams mode logic:
 - 1. Disable AV output (IP, HDMI, and SDI) when Teams mode is enabled.
 - 2. Disable video preview in the WebUI when Teams mode is enabled.
 - 3. Disable the UAC driver when Teams mode is enabled.
 - 4. When the camera is not in use, it will automatically face downward for privacy.
 - 5. When USB video is connected and the Tally lamp is on, the Tally lamp will turn off when the USB video is disconnected.





16. Removed "Debug Information" from the webpage for models PTZ211, PTZ231, PTZ310U(N)V2, and PTZ330U(N)V2.



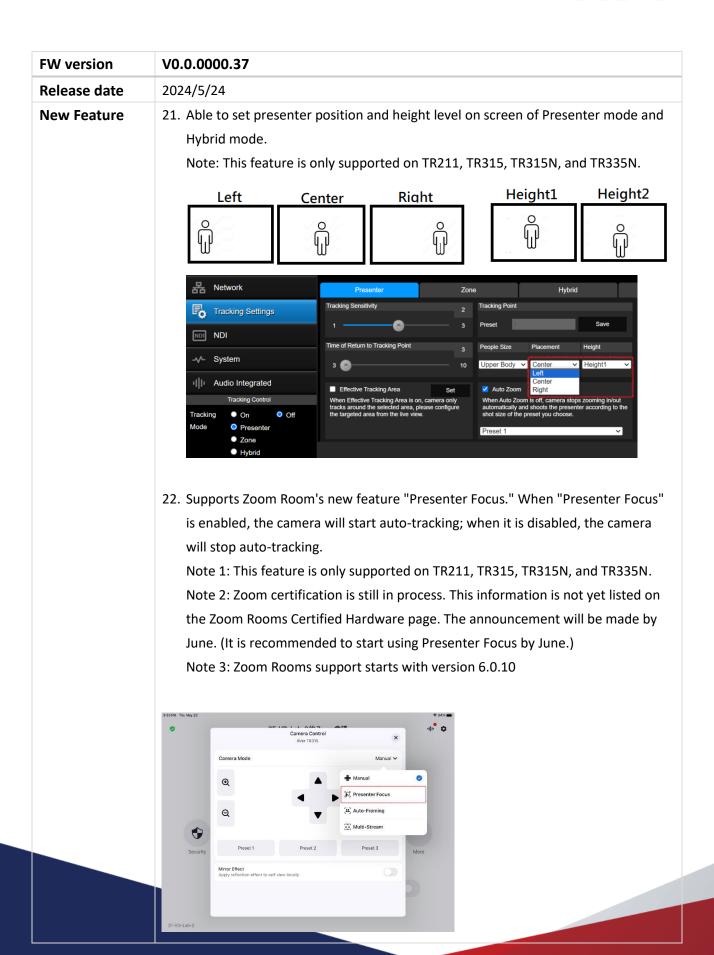
17. Bug fix: Resolved image flickering issue during Teams meetings.

- 18. We recommend using the Chrome browser for configuring webpages.
- 19. When using NDI video theme mode, the USB video stream will be temporarily paused in order to ensure the best possible NDI HX3 video streaming experience.
 - *Simultaneous outputs in different video theme modes:

	PTZ310UNV2/PTZ330UNV2	PTZ310UV2/PTZ330UV2	
Video modes	TR315N/TR335N	PTZ211/PTZ231/TR315/TR335	
	HDMI/IP/NDI HX2/USB (4KP60)	HDMI/IP/USB(4KP60)	
Standard/Teams/Zoom	&	&	
	3G-SDI (1080P60)	3G-SDI (1080P60)	
	HDMI/IP/NDI HX3 (4KP60)		
NDI	&	NA	
	3G-SDI (1080P60)		

- 20. HTTPS: Enable HTTPS to establish a secure connection between the browser and the camera. To enable HTTPS, please follow the steps below.
 - J. Obtain an SSL certificate in base-64 encoding format for encryption and decryption, and a private key in PKCS#8 format (must be unencrypted).
 - K. Convert the required certificate content into PEM format. The SSL certificate uploaded to the camera must be in PEM format.
 - L. In the HTTPS settings field, select "On", then click "Choose File" to select the certificate file, and then click "Upload".







Improvement

- 23. Optimized Camera Setup Webpage Log-In Password Rules:
 - 1. Password Length: Passwords must be between 8 to 32 characters long.
 - 2. Mixed Characters: Passwords should include a mix of numbers and English letters.
 - 3. Password and Account Name: The password must not be the same as the account name.
 - 4. Supported Characters:
 - i. Numeric characters: 0123456789
 - ii. Alphabetic characters:ABCDEFGHIJKLMNOPQRSTUVWXYZabcdefghijklmnopqrstuvwxyz
 - iii. Symbols: %+=,-_^/@.~

- 24. We recommend using the Chrome browser for configuring webpages.
- 25. When using NDI video theme mode, the USB video stream will be temporarily paused in order to ensure the best possible NDI HX3 video streaming experience.
 - *Simultaneous outputs in different video theme modes:

Video medeo	PTZ310UNV2/PTZ330UNV2	PTZ310UV2/PTZ330UV2	
Video modes	TR315N/TR335N	PTZ211/PTZ231/TR315/TR335	
	HDMI/IP/NDI HX2/USB (4KP60)	HDMI/IP/USB(4KP60)	
Standard/Teams/Zoom	&	&	
	3G-SDI (1080P60)	3G-SDI (1080P60)	
	HDMI/IP/NDI HX3 (4KP60)		
NDI	&	NA	
	3G-SDI (1080P60)		

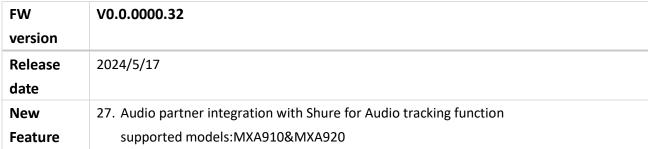
- 26. HTTPS: Enable HTTPS to establish a secure connection between the browser and the camera. To enable HTTPS, please follow the steps below.
 - M. Obtain an SSL certificate in base-64 encoding format for encryption and decryption, and a private key in PKCS#8 format (must be unencrypted).
 - N. Convert the required certificate content into PEM format. The SSL certificate uploaded to the camera must be in PEM format.
 - O. In the HTTPS settings field, select "On", then click "Choose File" to select the certificate file, and then click "Upload".

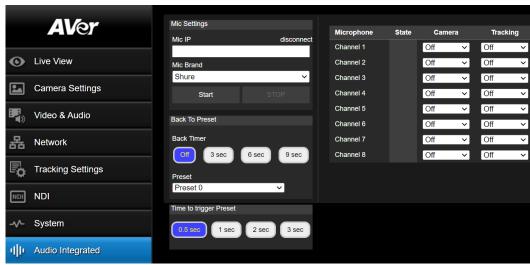


Product:

PTZ Camera: PTZ211/PTZ231/PTZ310UV2/PTZ310UNV2/PTZ330UV2/PTZ330UNV2

Tracking Camera: TR211/TR315/TR315N/TR335/TR335N





- *Long press (2 sec) Auto Tracking ON button from remote control to Start Audio tracking function.
- *Long press (2 sec) Auto Tracking OFF button from remote control to Stop Audio tracking function.





	28. NDI HX2 License key code activation feature.			
	29. Able to pan/tilt camera through Onvif command.			
	30. Support Bosch's new version: DICENTIS Conference System 5.0			
Improvem	Optimized the "	Auto Tilt" function while Auto T	racking in Hybrid mode.	
ent	(this improveme	nt only for Tracking camera TR2	211/315(N)/335(N))	
Known	31. We recommend	using the Chrome browser for o	configuring webpages.	
issue				
	32. When using NDI	video theme mode, the USB vid	deo stream will be temporarily paused	
	in order to ensu	e the best possible NDI HX3 vid	leo streaming experience.	
	*Simultaneous o	utputs in different video theme	e modes:	
		PTZ310UNV2/PTZ330UNV2	PTZ310UV2/PTZ330UV2	
	Video modes	TR315N/TR335N	PTZ211/PTZ231/TR315/TR335	
		HDMI/IP/NDI HX2/USB (4KP60)	HDMI/IP/USB(4KP60)	
	Standard/Teams/Zooi	n &	&	
		3G-SDI (1080P60)	3G-SDI (1080P60)	
		HDMI/IP/NDI HX3 (4KP60)		
	NDI	&	NA	
		3G-SDI (1080P60)		
	33. HTTPS: Enable HTTPS to establish a secure connection between the browser and the			
	camera. To enable HTTPS, please follow the steps below.			
	P. Obtain an SSL certificate in base-64 encoding format for encryption and decryption,			
	and a private key in PKCS#8 format (must be unencrypted).			
	Q. Convert the required certificate content into PEM format. The SSL certificate			
	uploaded to the camera must be in PEM format.			

R. In the HTTPS settings field, select "On", then click "Choose File" to select the

certificate file, and then click "Upload".



Product:

PTZ Camera: PTZ211/PTZ231/PTZ310UV2/PTZ310UNV2/PTZ330UV2/PTZ330UNV2

Tracking Camera: TR211/TR315/TR315N/TR335/TR335N

FW version	V0.0.0000.28			
Release date	2023/12/20			
New Feature	 34. Enabled FQDN setting for direct access to the camera webpage using "http://hostname". If there are two cameras in the LAN pool with identical hostnames, it may be difficult for the user to identify the correct one. Therefore, modifying the hostname before using this function is necessary. e.g. http://PTZ310UNV2 35. Updated the NDI SDK to version 5.6 for NDI models in PTZ310UNV2, PTZ330UNV2, TR315N, and TR335N 			
Improvement	 Optimized the Freed protocol and corrected the terminology from "FreeD" to "Freed". Optimized the Onvif protocol for integration with Bosch meeting system. Optimized the auto operation smoothly movement in AI Auto Tracking function on TR211/TR315(N)/TR335(N) models. Bug fix: Corrected the VISCA command for the following: CAM_BrightPosInq, CAM_Live Freeze, USB Status, UVC Status Bug Fix: Corrected the display issue in NDI Studio Monitor where names were not showing correctly for spaces. Bug Fix: Resolved this issue where RTSP could not be activated when camera was power off. Bug Fix: Corrected the wording of SmartShoot and SmartFrame in the OSD. Bug Fix: Corrected bright mode setting in webpage. 			
Known issue	36. We recommend using the Chrome browser for configuring webpages. 37. When using NDI video theme mode, the USB video stream will be temporarily paused in order to ensure the best possible NDI HX3 video streaming experience *Simultaneous outputs in different video theme modes: Video modes			
	NDI	3G-SDI (1080P60) HDMI/IP/NDI HX3 (4KP60) &	3G-SDI (1080P60) NA	



3G-SDL(1080P60))	
ושכ טכו (10001 00	,	

- 38. HTTPS: Enable HTTPS to establish a secure connection between the browser and the camera. To enable HTTPS, please follow the steps below.
 - S. Obtain an SSL certificate in base-64 encoding format for encryption and decryption, and a private key in PKCS#8 format (must be unencrypted).
 - T. Convert the required certificate content into PEM format. The SSL certificate uploaded to the camera must be in PEM format.
 - U. In the HTTPS settings field, select "On", then click "Choose File" to select the certificate file, and then click "Upload".



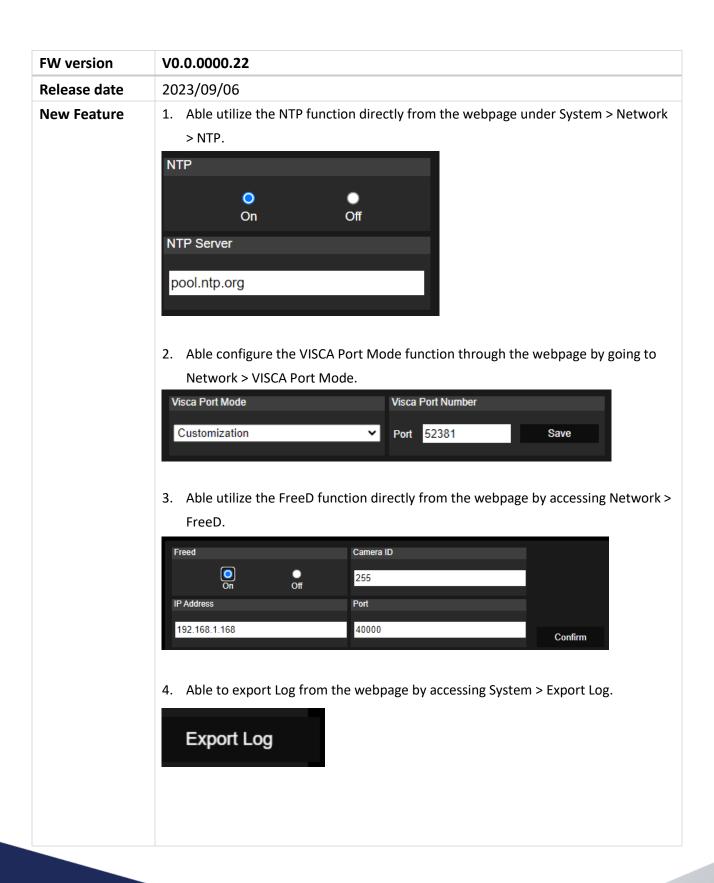
Product:

PTZ Camera: PTZ310UV2/PTZ310UNV2/PTZ330UV2/PTZ330UNV2

Tracking Camera: TR315/TR315N/TR335/TR335N

FW version	V0.0.0000.24		
Release date	2023/11/14		
New Feature	None		
Improvement	 Resolved NDI function disable issue of V22. Users can now enjoy the original NDI HX3 functionality. Improved switch presenter functionality through click tracking on the webpage for a more optimized experience. 		
Known issue	39. We recommend using the Chrome browser for configuring webpages.40. When using NDI video theme mode, the USB video stream will be temporarily paused in order to ensure the best possible NDI HX3 video streaming experience.		
	*Simultaneous outputs in different video theme modes:		
	Video modes PTZ310UNV2 PTZ310UV2		
	HDMI/IP/NDI HX2/USB (4KP60) HDMI/IP/USB(4KP60) Standard/Teams/Zoom & 3G-SDI (1080P60) 3G-SDI (1080P60)		
	HDMI/IP/NDI HX3 (4KP60) NDI & NA 3G-SDI (1080P60)		
	 41. HTTPS: Enable HTTPS to establish a secure connection between the browser and the camera. To enable HTTPS, please follow the steps below. V. Obtain an SSL certificate in base-64 encoding format for encryption and decryption, and a private key in PKCS#8 format (must be unencrypted). W. Convert the required certificate content into PEM format. The SSL certificate uploaded to the camera must be in PEM format. X. In the HTTPS settings field, select "On", then click "Choose File" to select the certificate file, and then click "Upload". 		







5. Able to continuously export logs to a selected IP and Port directly from the webpage under System > Export Log.. Syslog **IP Address** Port 0 On Off 6. Able to configure and set the date and time from the webpage by accessing System > set Date/Time. Date Time Dialog Camera System Time 2023-09-05 05:32:47 PM NTP NTP Server pool.ntp.org Execute Synchronize Time with PC 2023-09-05 Date (yyyy-mm-dd) Manual Time 下午 05:32:47 Time Zone (GMT+08:00) Taipei ~ Set Cancel Set Date/Time 7. Able to schedule the Power-up time from the webpage by accessing System > Power Schedule. Power Schedule □ 上午 02:00 ③ Auto Reboot Time Clicking on the blue box will turn it into a gray box, indicating that it is a shut-down time. Day/Hour 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | Sunday Monday Tuesday Wednesday Thursday Friday Saturday Power Schedule Set Cancel



Improvement

- 1. Optimizing USB video for a seamless Zoom Room video streaming experience.
- 2. Users can now utilize symbols (%+=,-_^/@.~) when creating their login names and passwords.
- 3. Enhancements to the username and password fields now include the ability to toggle password visibility using an eye icon.

Known issue

- 42. We recommend using the Chrome browser for configuring webpages.
- 43. When using NDI video theme mode, the USB video stream will be temporarily paused in order to ensure the best possible NDI HX3 video streaming experience.

*Simultaneous outputs in different video theme modes:

Video modes	PTZ310UNV2/PTZ330UNV2	PTZ310UV2/PTZ330UV2	
	HDMI/IP/NDI HX2/USB (4KP60)	HDMI/IP/USB(4KP60)	
Standard/Teams/Zoom	&	&	
	3G-SDI (1080P60)	3G-SDI (1080P60)	
	HDMI/IP/NDI HX3 (4KP60)		
NDI	&	NA	
	3G-SDI (1080P60)		

- 44. HTTPS: Enable HTTPS to establish a secure connection between the browser and the camera. To enable HTTPS, please follow the steps below.
 - Y. Obtain an SSL certificate in base-64 encoding format for encryption and decryption, and a private key in PKCS#8 format (must be unencrypted).
 - Z. Convert the required certificate content into PEM format. The SSL certificate uploaded to the camera must be in PEM format.
 - AA. In the HTTPS settings field, select "On", then click "Choose File" to select the certificate file, and then click "Upload".



FW version	V0.0.0000.14			
Release date	2023/03/31			
New Feature	None			
Improvement	Enhanced the firmware upgrade progress experience.			
	Enabled the LDC function on the web page.			
	Added RTC (Real-Time Clock) check.			
Known issue	45. We recommend using the Chrome browser for configuring webpages.			
	46. When using NDI video theme mode, the USB video stream will be temporarily paused in order to ensure the best possible NDI HX3 video streaming experience. *Simultaneous outputs in different video theme modes:			
	Video modes PTZ310UNV2 PTZ310UV2			
	HDMI/IP/NDI HX2/USB (4KP60) HDMI/IP/USB(4KP60)			
	Standard/Teams/Zoom & &			
	3G-SDI (1080P60) 3G-SDI (1080P60)			
	HDMI/IP/NDI HX3 (4KP60)			
	NDI & NA			
	3G-SDI (1080P60)			
	 47. HTTPS: Enable HTTPS to establish a secure connection between the browser and the camera. To enable HTTPS, please follow the steps below. BB. Obtain an SSL certificate in base-64 encoding format for encryption and decryption, and a private key in PKCS#8 format (must be unencrypted). CC. Convert the required certificate content into PEM format. The SSL certificate uploaded to the camera must be in PEM format. DD. In the HTTPS settings field, select "On", then click "Choose File" to select the certificate file, and then click "Upload". 			



FW version	V0.0.0000.12			
Release date	2023/03/17			
New Feature	None			
Improvement	1. Optimizing USB video for a seamless Zoom Room video streaming experience.			
Known issue	2. We recommend using the Chrome browser for configuring webpages.			
	3. When using NDI video theme mode, the USB video stream will be temporarily paused in order to ensure the best possible NDI HX3 video streaming experience.			
	Video modes	outputs in different video theme PTZ310UNV2	PTZ310UV2	
	video modes			
	Chandand/Tanana/77	HDMI/IP/NDI HX2/USB (4KP60)	HDMI/IP/USB(4KP60)	
	Standard/Teams/Zo	om & 3G-SDI (1080P60)	& 3G-SDI (1080P60)	
		HDMI/IP/NDI HX3 (4KP60)		
	NDI	&	NA	
		3G-SDI (1080P60)		
	 4. HTTPS: Enable HTTPS to establish a secure connection between the browser and the camera. To enable HTTPS, please follow the steps below. A. Obtain an SSL certificate in base-64 encoding format for encryption and decryption, and a private key in PKCS#8 format (must be unencrypted). B. Convert the required certificate content into PEM format. The SSL certificate uploaded to the camera must be in PEM format. 			
	C. In the HTTPS settings field, select "On", then click "Choose File" to se certificate file, and then click "Upload".			