INOGENI CAM300
Firmware Release Notes

Here is the history of the CAM300 releases:

> ⚠️ **IMPORTANT:** If you upgrade your device from v1.x, you need to follow this upgrade procedure: https://inogeni.com/cam300-firmware-upgrade

Release	Description
2.1.5 – January 30, 2026	**Bug Fixes:** • Corrected PTZ issue with Poly E60 camera.
2.1.4 – January 29, 2026	**Bug Fixes:** • Corrected PTZ control issue with USB cameras. • Corrected HDMI video blacking problem if aspect ratio is not 16:9.
2.1.3 – January 15, 2026	**Bug Fixes:** • Corrected video quality issue over USB and HDMI outputs using specific cameras.

2.1.2 – Nov 20, 2025	Major system update.
	
	New Features:
	
	• New firmware platform of the embedded CPU.
	• Support for DHCP.
	• Support for APIPA protocol if no DHCP server is detected over IP.
	• Optimized video streaming with specific cameras.
	• Since the device supports the mDNS networking protocol, you can access the web interface of the device using a link-local networking URL. This URL looks like the following example and includes the last 3 bytes of the MAC address and will end with the **.local** suffix. For example:
	
	F8:DC:7A:00:80:00
	cam300-008000.local
	
	Improvements:
	
	• Corrected instability issues.
	
	Bug Fixes:
	
	• Corrected compatibility issues with some USB cameras.
	   ○ Bose VB1
	   ○ Logitech MX Brio
	   ○ Cisco Desk camera.
	   ○ Poly P15

Here are the known issues for this specific product. These will be corrected throughout the firmware releases.

- **Level Controls Behavior:** Volume levels now save automatically and do not revert to previous values when unmuted.
- **Gateway Settings:** The gateway configuration resets to default when gateway is empty in static mode.

Version 1.15.12 - November 27, 2024

- Correcting issue when setting DHCP with specific MAC address pattern.

Version 1.15.11 - November 14, 2024

- Updated GET command over IP interface to make it identical to the RS232 interface.

Version 1.15.6 - November 5, 2024

- Adding DHCP support. For configuration, use Control App v3.12.72 and higher.

Version 1.15.4 - October 7, 2024

- Improved HDMI switching.

Version 1.15.2 - October 3, 2024

- Corrected issue if only the HDMI input 2 is used.

Version 1.15.1 - September 9, 2024

- Increased stability.

Version 1.15.0 - September 4, 2024

- Increased stability.

Version 1.14.15 - August 23, 2024

- Bug fix where we could get black video over USB.

- Adding feature to get system logs from the unit for future troubleshooting.

- Support 100Mbps IP interface.

Version 1.14.12 - July 9, 2024

- Adding ENJPEGPARSE.

- Adding workaround in case the device has an issue with its graphic adapter.

Version 1.14.10 - May 29, 2024

- Added function to get some debug status from the device.

- Improved telnet communication.

- Improved zoom relative control.

- Corrected issue with Poly G7500 system and our latest video processor firmware.

Version 1.14.6 - April 25, 2024

- Adding the possibility to route the analog audio input to any of the HDMI, USB1, USB2 and analog audio outputs independently.

- Allow 1920x1080 and 1024x768 resolutions over USB when DIP SW is activated.

Version 1.14.3 - April 9, 2024

- Corrected issue with video processor (Gen2) where the device would output black video.

- Corrected issue where the device would wake up cameras when the device is in standby mode.

Version 1.14.0 - December 1, 2023

- Corrected minor issue with top/bottom layout.

- Corrected minor issue with PTZ control over USB3 interface.

- Added support for PTZ control over Q-SYS plugin.

- Adding compatibility with innex cube and C570 cameras.

- Adding compatibility with Logitech CollabOS over USB2.0 interface.

Version 1.13.17 - November 29, 2023

- Adding Panasonic AW-UE50 camera support.

Version 1.13.15 - November 24, 2023

- Solve issue with NetworkTV NTV71C camera.

- Add GATEWAY RS232 command.

- Add GATEWAY and NETMASK IP command.

Version 1.13.14 - November 20, 2023

- Solve issue with Birddog PF120 camera.

Version 1.13.13 - November 3, 2023

- Adding relative controls (up to -10 to 10) on zoom command in the API. Absolute zoom control (100 to 500) is preserved.

Version 1.13.11 - October 3, 2023

- Adding support for Birddog P110 camera.

Version 1.13.10 - September 22, 2023

- Improved audio quality over USB connections.

Version 1.13.4 - July 21, 2023

- Fix issue where an application trying to get video while device is booting could prevent the device from booting properly.

- Fix issue with Logitech Roommate over USB2.

Version 1.13.3 - July 12, 2023

- Added BLANK command to disable HDMI output so it does not send a 5V supply to the HDMI sink.

Version 1.13.2 - June 21, 2023

- Added support for Birddog P100 camera.

Version 1.13.1 - May 17, 2023

- Correcting HDMI sync issue with specific source and HDMI cables.

Version 1.13.0 - May 9, 2023

- Corrected minor issue for updating status to USB controller.

Version 1.12.34 - April 24, 2023

- Solved issue where the device would output black video.

Version 1.12.26 - February 9, 2023

- Fix for Yealink UVC86 camera.

Version 1.12.24 - February 7, 2023

- Telnet connection now supports multiple clients.
- Solved issue with audio over USB out.

Version 1.12.20 - December 8, 2022

- Fix red shift over video.
- Corrected issue with audio capture.

Version 1.12.16 - December 2, 2022

- Corrected issue with red tone over USB3.

Version 1.12.16 - October 11, 2022

- Corrected issue with Lumens VC-TR1 freezing issue.

Version 1.12.15 - September 13, 2022

- Corrected issue with AverMedia capture card.
- Corrected issue with HDMI switching.

Version 1.12.13 - August 15, 2022

- Adding support for newer hardware.

Version 1.12.11 - July 8, 2022

- Adding support for AVer CAM550 camera. Please install firmware on the AVer CAM550 camera >= 0.0.8000.62.

Version 1.12.10 - June 22, 2022

- Correcting issue with Meeting Owl Pro camera. Will decode at 720p using this camera.

Version 1.12.7 - June 17, 2022

- Correcting issue with HuddleCamHD SimplTrack2 camera. Audio capture is not supported.

Version 1.12.5 - June 16, 2022

- Correcting issue with 1080i formats.
- Fix issue if USB cameras are only support 1080p only.

Version 1.12.2 - April 11, 2022

- Fix issue with Unite 150/200 cameras where it would freeze video.

Version 1.12.1 - March 18, 2022

- Fix issues where settings are getting changed at random.

- Improve stability of HDMI input.

Version 1.11.2 - February 10, 2022

- Adding support for presets control on CAM520 camera.

- Fix for video processor not initialized that takes place over time.

Version 1.11.1 - December 21, 2021

- Corrected issue under USB2.0 where signals drops after a couple of minutes.

- Corrected issue with API regarding PTZ control.

Version 1.11.0 - November 4, 2021

- Corrected problem with audio where it does not get back after a video stop over USB.

Version 1.10.31 - October 26, 2021

- Adding new USB controller firmware to improve communication.

- Improved USB camera compatibility.

- Corrected issue where video coming from USB interface gets corrupted when switching between USB2 and USB3 connections.

- Corrected issue where configuration settings can change during runtime.

Version 1.10.30 - October 15, 2021

- Adding support for "AT-HDVS-CAM".

Version 1.10.29 - October 7, 2021

- Adding fix for AVer CAM520 Pro2.

- Adding support for new flash for production.

Version 1.10.24 - September 20, 2021

- Correcting issue when PTZ Pro 2 camera is not calling presets.

Version 1.10.23 - September 17, 2021

- Correcting issue when connecting to HDMI cameras.

- Correcting issue where HDMI camera does not show sometimes.

Version 1.10.15 - August 18, 2021

- Correcting issue with 1080i HDMI source when there is only one source connected to device.

Version 1.10.14 - August 11, 2021

- Adding more fluid PTZ control for AVer cameras.

- Adding preset controls for AVer CAM520 / CAM520 Pro cameras through our API.

- Correcting issue where IP address is not saved when setting it.

- Audio mixing feed going to computer is doubled to increase audio loudness.

Version 1.10.11 - June 18, 2021

- Corrected issue with older version of product regarding buttons.

Version 1.10.10 - May 31, 2021

- Corrected audio issue where it would not show up after a couple of days.

- Corrected minor issue with get/set preset functions.

- Corrected minor issue when capturing from HDMI input only.

- Corrected issue where on some USB hosts, the video would freeze due to USB data corruption.

Version 1.10.9 - May 17, 2021

- Corrected HTTP and telnet issue when parsing commands.

- Possible fix for customer where IP address is not recalled.

Version 1.10.9 - May 17, 2021

- Corrected HTTP and telnet issue when parsing commands.

- Possible fix for customer where IP address is not recalled.

Version 1.10.8 - April 19, 2021

- Added standby mode.

    o When there is no application connected to the device, it will enter a standby mode. This is only effective if there is no HDMI output detected.

- Corrected issue with the HuddlyCamHD 20x-GY-G2.

- Adding new audio routing for SHARE2U and CAM300. See user guide.

- Adding friendly name setting.

Version 1.10.4 - February 16, 2021

- Increased PTZ functionality with specific cameras:

    o HuddleCam HD10X

    o Minnray UV510

Version 1.10.2 - February 8, 2021

- Correcting issue with PanaCast camera.

Version 1.10.1 - February 1, 2021

- Adding support for Trust camera.

Version 1.10.0 - January 27, 2021

- Adding support for next PCB revision.

- Correcting issue with video processor booting.

Version 1.9.55 - January 14, 2021

- Corrected return codes for RS232 commands.

Version 1.9.54 - January 14, 2021

- Firmware for production.

Version 1.9.53 - January 11, 2021

- Support horizontal and vertical flip on USB and HDMI inputs.

Version 1.9.51 - December 2, 2020

- Corrected issue with LAN interface.

Version 1.9.49 - November 17, 2020

- Corrected USB2.0 issue with newer hardware.

Version 1.9.48 - November 4, 2020

- Corrected issue with Minnray UV510A PTZ control.

- Corrected issue with Jabra PanaCast camera.

Version 1.9.44 - October 30, 2020

- Corrected issue with HuddleCamHD cameras.

Version 1.9.43 - October 28, 2020

- Support for 1080i, 576i and 480i over HDMI input.

Version 1.9.42 - October 23, 2020

- Support for Telycam TLC-300-U3S camera. Capture only at 640x360 over USB 2.0.

Version 1.9.41 - October 23, 2020

- Support for Telycam TLC-300-U3S camera. Capture only at 960x540 over USB 2.0.

Version 1.9.40 - October 19, 2020

- Adding support for Minnray UV510A camera.

Version 1.9.39 - October 8, 2020

- Corrected issue with audio pipelining.

- Added support for Minnray UV515 camera.

Version 1.9.36 - September 14, 2020

- Added production features.

Version 1.9.30 - August 18, 2020

- Improved HDMI switching.

- Adding keypad support.

- Improved audio capture.

Version 1.9.29 - August 12, 2020

- Corrected issue with Polycom EagleEye Director II.

Version 1.9.28 - August 11, 2020

- Increased switching time between HDMI inputs if these are having the same resolution.

Version 1.9.21 - May 8, 2020

- Support 1080p over USB by default. This forces application to take best quality video over USB. DIPSW1 is OFF by default to enable this mode. Turn DIPSW1 to ON to get back to older mode where 1080p, 720p and 480p are enabled over USB.

Version 1.9.18 - April 29, 2020

- Corrected issue where device will not show HDMI input.

Version 1.9.15 - March 12, 2020

- Adding RS232 commands for preset setting for Rally, PTZ Pro 2 and Meetup cameras.

    o Go to a predefined preset:

        ▪ <PRESET X Y> where:

            • X = 1, for USB1

            • X = 2, for USB2

            • Y = 1 to 3, for preset 1, 2 and 3

    o Save a preset:

        ▪ <SAVEPRESET X Y> where:

            • X = 1, for USB1

            • X = 2, for USB2

            • Y = 1 to 3, for preset 1, 2 and 3

Version 1.9.14 - March 10, 2020

- Corrected issue with Meeting Owl Pro.

Version 1.9.12 - February 28, 2020

- Adding RS232 commands for PTZ control.

    o <PAN X Y> where:

        ▪ X = 1, for USB1

- X = 2, for USB2

- Y = -1, counterclockwise

- Y = 0, stop

- Y = 1, clockwise

  o <TILT X Y>

    - X = 1, for USB1

    - X = 2, for USB2

    - Y = -1, counterclockwise

    - Y = 0, stop

    - Y = 1, clockwise

  o <ZOOM X Y>

    - X = 1, for USB1

    - X = 2, for USB2

    - Y = 100 to 500

Version 1.9.10 - January 29, 2020

- Corrected issue with webpage in Safari.

Version 1.9.8 - January 17, 2020

- Corrected issue where device gets a black screen.

Version 1.9.7 - November 28, 2019

- Solved bug with UART and LAN interfaces.

- Solved compatibility issue with Microsoft Lifecam camera.

Version 1.9.5 - November 8, 2019

- Adding production feature.

Version 1.9.4 - October 30, 2019

- Corrected compatibility issue with Logitech Brio camera.

Version 1.9.1 - October 24, 2019

- Corrected minor issue with audio capture.

Version 1.9.0 - October 22, 2019

- Adding audio gain control.

- Adding support for HuddlyGo camera.

- Corrected issue with AdobeConnect application.

Version 1.8.11 - September 9, 2019

- Corrected issue with HDMI output.

Version 1.8.2 - February 15, 2019

- Corrected issue where audio capture is not working at power up.

Version 1.8.0 - November 28, 2018

- Added PTZ relative control over USB cameras.

Version 1.7.3 - October 15, 2018

- Adding LAN beacon that sends device info like application version, IP and MAC addresses at 239.245. port 45454.

Version 1.7.2 - September 5, 2018

- Corrected frame buffer issue where the device outputs no video.

Version 1.7.1 - August 30, 2018

- Enabling watchdog.

Version 1.7.0 - August 30, 2018

- Improved video quality.

- Increased programming time.

- Video input is reconfigured each time there is a format change on the application side. This way, we avoid any video scaling.

Version 1.6.7 - July 13, 2018

- Adding buttons to control on the web home page.

Version 1.6.6 - June 14, 2018

- Corrected issue where application is always restarting.

- Corrected issue where there is no video at bootup.

- Corrected issue with the SHARE2U and CAM300 setup.

Version 1.6.5 - June 13, 2018

- Corrected issue with HDMI output.

- Reconfigure HDMI input when width and height are different.

Version 1.6.4 - June 11, 2018

- Added support for daisy chaining of CAM and SHARE2U.

Version 1.6.3 - May 30, 2018

- Added support for Crestron modules.

Version 1.6.2 - May 29, 2018

- Corrected issue with HDMI input.

Version 1.6.1 - May 28, 2018

- Corrected issue with HDMI input.

Version 1.6.0 - May 18, 2018

- Added support for LAN interface.

- Added watchdog timer in order to recover from system lockup.

Version 1.5.8 - April 11, 2018

- Corrected issue with Ethernet switch. Now the ethernet link is 10Mbps/Full.

Version 1.5.7 - March 16, 2018

- Increased loading time.

Version 1.5.6 - March 15, 2018

- HDMI input LED will blink when format is not supported.

Version 1.5.4 - March 1, 2018

- When HDMI input is selected, HDMI audio is sent through USB.

- Corrected issue where audio is not hearable even when there are USB inputs.

Version 1.5.3 - February 20, 2018

- Added static IP assignment.

- Added HTTP request support.

Version 1.5.2 - February 12, 2018

- Corrected issue where no frame rate for specific camera is selected.

- Corrected issue where there is only one resolution supported by format, which leads to problems.

Version 1.5.1 - January 30, 2018

- Added support for remote commands.

Version 1.5.0 - January 19, 2018

- By setting SW3 at the bottom of the device, you can set the frame rate of the frame buffer to avoid power line artifacts.

    o   SW3 ON: 50Hz

    o   SW3 OFF: 60Hz (default)

- The frame rate of the camera will be set accordingly.

- The current configuration is now saved onboard.

Version 1.4.7 - January 5, 2018

- Adding status on video inputs.

- Accept different USB input frame rates.

Version 1.4.6 - December 19, 2017

- Corrected bug where the second HDMI input 2 is not streaming.

Version 1.4.5 - December 15, 2017

- Corrected HDMI inputs where bars could be shown on HDMI feeds.

Version 1.4.4 - December 14, 2017

- Corrected issue where faults could happen when switching HDMI inputs.

Version 1.4.1 - December 4, 2017

- Corrected issue with HDMI input.

Version 1.4.0 - December 4, 2017

- Added H264 and uncompressed compatibility.

- Added UART support.

Version 1.3.6 - December 1, 2017

- Corrected HDMI RX drive.

Version 1.3.5 - November 23, 2017

- Improved HDMI switching.

Version 1.3.4 - November 17, 2017

- Corrected issue with HDMI where image freezes.

Version 1.3.3 - November 14, 2017

- Corrected issue where audio is not detected properly when there is no HDMI output.

Version 1.3.0 - November 10, 2017

- Improved application performance.

Version 1.2.0 - November 3, 2017

- First release of this product.