

Release Notes and Update Instructions

RoboSHOT IW Architectural PTZ Conferencing Camera

Current Release

RoboSHOT® IW 1.2.1

September 12, 2022

Improvements

- In some cases the device's MAC address was stored and displayed incorrectly, affecting the default hostname. This has been fixed.
- Improved support for VISCA-over-IP with some codecs. This feature is experimental. Please contact Vaddio technical support if you encounter issues using it.

Release History

RoboSHOT IW 1.2.0

April 8, 2022

New Features

- You can now restore factory defaults using the IR remote:
 - Press the Data Screen button.
 - Clear preset 1, then clear preset 5.
 - Press the Data Screen button again. The camera enters standby mode and is ready to restore defaults.
 - Disconnect power, then reconnect. The camera returns to factory default settings.
- Added the Telnet command
`camera focus ir-correction { standard | ir-light | get }` for IR correction mode control.
- Added VISCA-over-IP support. This feature is experimental. Please contact Vaddio technical support if you encounter issues using it.
- We have placed a link to the company's standard privacy notice on this product's Help page and on the Initial Device Set-Up page. This product does not record or save audio or video files, and it does not store any identifying information other than what you may choose to enter on the Room Labels page of the web interface. However, the device's IP address is considered "personally identifiable information" for the purposes of the privacy notice. This information is stored for display to the user, but not otherwise shared or transmitted.

Improvements

- Camera behavior settings previously presented on the DIP Switches tab of the System page are now on the General tab.
- Enhanced compatibility with the Vaddio Device Controller.
- On DHCP-enabled devices, it was possible to have more than one gateway address listed. This has been fixed.
- After updating firmware, the Telnet enabled/disabled status shown in the web interface could become out of sync with device behavior. This has been fixed.
- The email address links on the web interface's Help page did not always open the computer's mail application. This has been fixed.
- The camera could periodically lose its network connection very briefly. This has been fixed.
- In some cases, firmware updates could fail. This has been fixed.

RoboSHOT IW 1.1.0

December 20, 2019

New Features

- If you restore factory defaults, the camera now requires an initial setup step to make the administrative controls and other functionality available. In this initial step, you must set the admin password. This is also required for initial access to cameras that ship with this version of firmware. See [Initial Set-Up Procedure](#). After completing the initial setup, you have the option of enabling streaming and other disabled features. At this time, setting the admin password is the only task in the initial setup procedure.
- Added public REST API.
- Added support for UVC proxying from a OneLINK Bridge to enable far-end control when used with some third-party soft codec clients like Zoom that support UVC standards.
- Added support for DNS Service Discovery.
- Added support for RTMP streaming.
- Added ability to configure MTU setting for IP streaming packets.
- Added one-push white balance function to the web interface.
- Added support for long press right-clicking on iOS devices.
- When static IP addressing is selected, the administrator can specify a DNS server.
- Added Telnet command to enable/disable IP streaming: `[streaming ip enable get | on | off |toggle]`
- Added Telnet command `camera ptz-position {{pan | tilt | zoom} <position> [no_wait]}` to specify multiple-axis movements to absolute positions. The optional `no_wait` parameter allows the command to return the command prompt immediately, while the requested camera movement is still in progress. The command `camera ptz-position get` returns the camera's current pan, tilt, and zoom positions.
- Added Telnet command `camera icr { get | on | off }` to control the camera's IR cut filter. When the filter is on, the video image is black and white.
- Added a serial command for retrieving the camera's IP address: `[81 09 08 4E 00 00 FF]`.

Improvements

- Security improvements include changes to the default settings for:
 - HTTP access is disabled. To connect using HTTPS, type `https://` followed by the IP address. Because Vaddio uses self-signed certificates, your browser will present warning messages indicating that you are trying to access an unsafe website; however, this is a secure connection to the camera and traffic will be encrypted.
 - Streaming is disabled.
 - Telnet access is disabled.
- Disabled TLS v1.1 protocol. More recent protocols continue to be supported.
- In the admin web interface, various camera behavior settings have moved from soft DIP switches to other areas of the System page.
- The Telnet command `network settings get` now includes the camera's hostname in the information it returns.
- The Telnet command `camera ccu get` now returns all camera ccu settings if no parameter is specified.
- Telnet commands to set hostnames and other user-definable strings now accept hyphens.
- Added gamma to the `camera ccu` Telnet command: `camera ccu {get | set} gamma`
- Telnet commands now recognize the appropriate ranges of values for various camera settings, such as iris.
- Improved out-of-range error messages for Telnet commands specifying movements by absolute position.
- The top speeds for Global Preset Speeds have been reduced to provide better control in certain conferencing applications.

- Improved handling of hot-plug events.
- Improved camera behavior when an operator rapidly and repeatedly cancels and restarts camera operations.
- Improved camera behavior during lengthy camera operations.
- If a custom home preset was stored while the camera was in manual focus mode, and the home preset was subsequently cleared, attempting to select the home preset could generate an error message. This has been fixed.
- Video resolution selections match those available on the RoboSHOT Elite series cameras.
- On receiving a reboot instruction, the camera now performs a check to ensure your most recent configuration changes were successfully saved.
- In some cases, the web interface did not load properly if the computer had recently accessed another Vaddio device at the same IP address. This has been fixed.
- Setting changes no longer execute while camera is in standby, which could previously cause issues when coming out of standby.
- If the camera was rebooted while the LED was disabled, and the LED was subsequently enabled, it could display incorrect status indications. This has been fixed.
- Executing several pan, tilt, or zoom to absolute position commands in quick succession could generate error messages. This has been fixed.
- In some cases, the camera reported its zoom position inaccurately after a very small change in zoom level. This has been fixed.
- In some cases, the camera reported its zoom position inaccurately after the resolution was changed. This has been fixed.
- The RS-232/VISCA command CAM_Freeze now behaves as expected.
- Improved timing of serial response when camera has completed certain commands.
- Occasionally, the camera could lose its HDBaseT connection if it remained in standby for extended periods. This has been fixed.
- Exporting data to an Android device now works properly.
- Various improvements to IP streaming.
- Motor control improvements.

Notes

- If controlling this camera with any of the following devices, the device may require a firmware update to be able to control the camera via IP.
 - PCC Premier
 - AV Bridge MATRIX PRO
 - AV Bridge MatrixMIX

RoboSHOT IW 1.0.2

July 16, 2018

Notes

- Initial release.

Initial Set-Up Procedure

If you are updating from version 1.0.2, you will need to set a password for the `admin` account immediately after completing the update. You may also need to change the security settings, as the default settings have changed.

Refer to the product's manual for specific instructions to discover its IP address and access its web interface.

To access the web interface, type `https://` followed by the IP address.

Before the product is configured, HTTP access is disabled. It can be re-enabled after you set the admin password.

Expect a security warning from your browser. The certificate (the product's website security credential) is self-signed rather than being issued by an external certificate authority.

Different browsers will respond with different messages and options. Your browser will probably present a message indicating one of these things:

- The connection is not private
- The site is not secure
- The site is not trusted
- The site poses a security threat

Despite the security warning, the HTTPS connection is secure and traffic is encrypted.

To proceed to the product's web interface, you will need to make the selections that your browser's security message discourages. The security warning page may present an option to learn more, view details, or go to the "Advanced" page. When you select the applicable option, your browser provides a button or link to continue to the IP address you entered, with a reminder that it may be unsafe. Select this option.

After you have accessed the product's web interface once, your browser may remember its IP address and not present the security message again.

Set the admin password. If there are other tasks on the page (such as reading and accepting policies and agreements), complete them also.

Note: This page includes a link to the company's standard privacy policy. This product does not record or save audio or video files, and it does not store any identifying information other than what you may choose to enter on the Room Labels page of the web interface. However, the device's IP address is considered "personally identifiable information" for the purposes of the privacy policy.

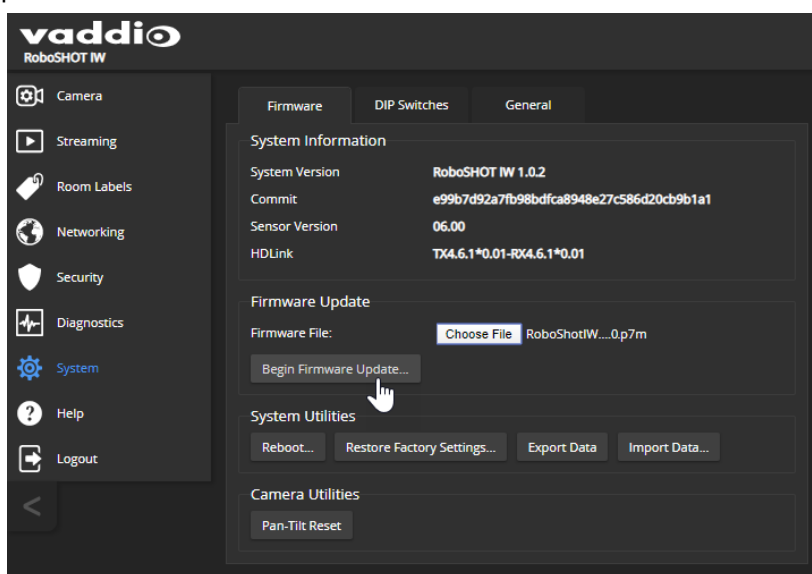
Firmware Update Instructions – RoboSHOT IW

The process for updating firmware is the same for virtually all Vaddio products. *Your device's web interface may display different information from the screen shot in this procedure.*

Caution

The camera must remain connected to power and to the network during the update. Interrupting the update could make the camera unusable. If the update does not run, DO NOT DISCONNECT POWER. Call Vaddio Tech Support immediately: +1 763-971-4400 or 800-572-2011.

1. Download the firmware file if you have not done so already.
2. Access the device's web interface and log in as `admin`.
3. On the System page, select Choose File and select the file you downloaded. Then select Begin Firmware Update.



4. Read the Confirm dialog box, then select Continue. You will be prompted to log in again when the process is complete.

This update can take up to 5 minutes to complete. While you're waiting, you could try the following:

- A whimsical thing.
- A different whimsical thing.
- Yet a third whimsical thing. I know you can think of three whimsical things.

After the update is complete, the System page will display the new firmware version under System Information. Enjoy that new-firmware smell!

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