
RELEASE NOTES

R100 SERIES – FIRMWARE 4.5.4.2

(BUILD 15609)

June 22th, 2017

IONODES INC.

Laval, Québec
www.ionodes.com

IONODES

The **smart** appliance of media.

FIRMWARE 4.5.4.2

RESOLVED ISSUES

- Fixed an issue when switching a P2P connection which displayed a connection lost message.

NEW FEATURES

- No new feature.

KNOWN ISSUES

- The connection status for the BNC connector always returns a connected status regardless if a cable is connected or not.
- In rare case, switching a P2P connection could cause a reboot of the device.

FIRMWARE 4.5.4.1

RESOLVED ISSUES

- Updated the OSD dynamic field (%s) which display the P2P stream connection state.

NEW FEATURES

- No new feature.

KNOWN ISSUES

- The connection status for the BNC connector always returns a connected status regardless if a cable is connected or not.
- In rare case, switching a P2P connection could cause a reboot of the device.

FIRMWARE 4.5.4.0

RESOLVED ISSUES

- Updated the OSD dynamic field (%s) which display the P2P stream connection state.

NEW FEATURES

- No new feature.

KNOWN ISSUES

- The connection status for the BNC connector always returns a connected status regardless if a cable is connected or not.
- In rare case, switching a P2P connection could cause a reboot of the device.

FIRMWARE 4.5.3.9

RESOLVED ISSUES

- Optimizes the time required for switching between layout sequences.
- Fixed an issue preventing an exported configuration to be imported on another device.

NEW FEATURES

- Added a new OSD dynamic field (%s) to display the P2P stream connection state.
- Added the P2P connection state to the ION API and the SNMP MIB.

KNOWN ISSUES

- The connection status for the BNC connector always returns a connected status regardless if a cable is connected or not.
- In rare case, switching a P2P connection could cause a reboot of the device.

FIRMWARE 4.5.3.7

RESOLVED ISSUES

- Fixed an issue when using a P2P active connection through the Windows Firewall if the stealth mode is enabled. The issue may cause the connection to not close properly and thereby may block the reconnection.

NEW FEATURES

- No new feature.

KNOWN ISSUES

- The connection status for the BNC connector always returns a connected status regardless if a cable is connected or not.
- In rare case, switching a P2P connection could cause a reboot of the device.

FIRMWARE 4.5.3.6

RESOLVED ISSUES

- Fixed an issue when switching a P2P connection over a long period of time.

NEW FEATURES

- No new feature.

KNOWN ISSUES

- The connection status for the BNC connector always returns a connected status regardless if a cable is connected or not.
- In rare case, switching a P2P connection could cause a reboot of the device.

FIRMWARE 4.5.3.5

RESOLVED ISSUES

- Fixed an issue when switching a P2P connection over a long period of time.

NEW FEATURES

- No new feature.

KNOWN ISSUES

- The connection status for the BNC connector always returns a connected status regardless if a cable is connected or not.
- In rare case, switching a P2P connection could cause a reboot of the device.

FIRMWARE 4.5.3.3

RESOLVED ISSUES

- Enabled the audio input management in the web page.
- Fixed an issue with the audio decoding if the audio source comes from an IONODES device.
- Fixed an issue when switching a P2P connection over a long period of time.

NEW FEATURES

- No new feature.

KNOWN ISSUES

- The connection status for the BNC connector always returns a connected status regardless if a cable is connected or not.

FIRMWARE 4.5.3.1

RESOLVED ISSUES

- Optimized operations when switching a 2x2 and a sequence layout.
- Changing the sequence order is applied immediately and no longer waits until the next sequence switch.

NEW FEATURES

- No new feature.

KNOWN ISSUES

- The connection status for the BNC connector always returns a connected status regardless if a cable is connected or not.

FIRMWARE 4.5.3.0

RESOLVED ISSUES

- Fixed an issue when the getting a malformed or missing SPS/PPS.
- Fixed an issue when handling a malformed SDP RTSP response.

NEW FEATURES

- No new feature.

KNOWN ISSUES

- The connection status for the BNC connector always returns a connected status regardless if a cable is connected or not.

FIRMWARE 4.5.2.9

RESOLVED ISSUES

- Fixed an issue when changing the displayed layout from 2x2 to 1x1 (sequence or not) and vice versa.
- Fixed an issue where the OSD wasn't updated when changing a stream in sequence mode.

NEW FEATURES

- No new feature.

KNOWN ISSUES

- The connection status for the BNC connector always returns a connected status regardless if a cable is connected or not.

FIRMWARE 4.5.2.8

RESOLVED ISSUES

- API: Fixed an issue with the reported status for the digital video output connection. This also fixes the reported SNMP value for the digital output connection status.

NEW FEATURES

- No new feature.

KNOWN ISSUES

- The connection status for the BNC connector always returns a connected status regardless if a cable is connected or not.

FIRMWARE 4.5.2.7

RESOLVED ISSUES

- System: Fixed an issue with the reported date time for some time zones.

NEW FEATURES

- No new feature.

KNOWN ISSUES

- See section below.

FIRMWARE 4.5.2.6

RESOLVED ISSUES

- System: Improved diagnostics information.
- System: Fixed an issue where the network information could be reset to its default values.

NEW FEATURES

- No new feature.

KNOWN ISSUES

- See section below.

FIRMWARE 4.5.2.5

RESOLVED ISSUES

- System: Improved diagnostics information.

NEW FEATURES

- No new feature.

KNOWN ISSUES

- See section below.

FIRMWARE 4.5.2.4

RESOLVED ISSUES

- Video: Fixed an issue when switching a point-to-point connection from an HTTP mjpeg source to another HTTP mjpeg source.
- OSD: Fixed OSD issue when configured in sequence.

NEW FEATURES

- No new feature.

KNOWN ISSUES

- See section below.

FIRMWARE 4.5.2.3

RESOLVED ISSUES

- Network: Fixed an issue where a wrong IP address could be sent when sending IGMP reports.

NEW FEATURES

- No new feature.

KNOWN ISSUES

- See section below.

FIRMWARE 4.5.2.2

RESOLVED ISSUES

- Configuration: Fixed an issue where the “Send RTCP Reports” parameter wasn’t visible in the web page.

NEW FEATURES

- No new feature.

KNOWN ISSUES

- See section below.

FIRMWARE 4.5.2.1

RESOLVED ISSUES

- Decoding: Fixed an issue with MJPEG decoding when set at 4 fps or lower. It would cause the video decoder in and out of starve mode every few seconds.

NEW FEATURES

- Decoding: Added a new configuration parameter to optimize H.264 performance. If activated, this parameter disables MJPEG and audio decoding.
- OSD: Added support for OSD.
- Decoding: Added a protection that reboots the device if a stall is detected by the decoder.

KNOWN ISSUES

- See section below.

FIRMWARE 4.5.0.1

RESOLVED ISSUES

- Web Server: Fixed an issue with HTTPS.
- System: IGMP packets are properly sent again when the device joins or leaves multicast groups.
- FWU: Improved the resource usage during a firmware update. In the future, consecutive full firmware updates should no longer report an error.
- RTSP: The device now resets all point-to-point connections when the IP address of the device changes.
- RTSP: The TEARDOWN command now includes the stream's full URI.
- MJPEG: Fixed a compatibility issue with some MJPEG streams over HTTP.
- Network: Fixed an issue when changing the IP address from the Config Tool.

NEW FEATURES

- WEB: In the web interface, the page Diagnostics has been renamed Inputs / Outputs. The page has been extended to display the status of the Output relays and let the user control them.
- Command console: Added a new utility command (httpstat) to display the current HTTP connections.

KNOWN ISSUES

- See section below.

FIRMWARE 4.5.0.0

RESOLVED ISSUES

- Ion API: Fixed an issue with the GMT offset attribute which didn't take into account the DST.
- SNMP: Fixed an issue when querying the connection status of a video output.
- RTSP: RTSP Receiver reports for multicast video streams are no longer sent from the device's APIPA network address.
- Security: Fixed an issue with the deletion of a user account when the username is «admin» spelled with at least one uppercase letter.

NEW FEATURES

- The web interface now displays the device-local time.
- RTSP: Added a new RTSP parameter to select whether or not to send RTCP Receiver reports.

KNOWN ISSUES

- See section below.

FIRMWARE 4.4.0.0

RESOLVED ISSUES

- No new resolved issue.

NEW FEATURES

- Video: Optimization of the H264 video decoding.

KNOWN ISSUES

- The optimization applies only for an H264 video source.
- See section below.

FIRMWARE 3.4.2.2

RESOLVED ISSUES

- Video: Fixed a problem of packet lost between the source and the decoder causing pixelization.

NEW FEATURES

- Web page: Added a cpu usage indicator to the side box.

KNOWN ISSUES

- See section below.

FIRMWARE 3.4.2.1

RESOLVED ISSUES

- Video: Fixed jumpy video with some resolutions.
- Security: Fixed an issue when creating a duplicate user account.

NEW FEATURES

- No new feature.

KNOWN ISSUES

- See section below.

FIRMWARE 3.4.2.0

RESOLVED ISSUES

- Production: Fixed an initialization problem that could prevent the production.

NEW FEATURES

- No new feature.

KNOWN ISSUES

- See section below.

FIRMWARE 3.4.0.8

RESOLVED ISSUES

- DNS vs P2P: Fixed an issue where the RTSP connection fails when a hostname was used.

NEW FEATURES

- No new feature.

KNOWN ISSUES

- See section below.

FIRMWARE 3.4.0.7

RESOLVED ISSUES

- Discovery: Fixed an issue when assigning a new ip address from the IonConfig Tool when the device is on apipa.

NEW FEATURES

- No new feature.

KNOWN ISSUES

- See section below.

FIRMWARE 3.4.0.6

RESOLVED ISSUES

- No new resolved issue.

NEW FEATURES

- Video: Updated the decoding software that fixes some H264 decoding problems.

KNOWN ISSUES

- See section below.

FIRMWARE 3.4.0.5

RESOLVED ISSUES

- Video: Fixed an issue with jpeg decoding in 4:2:2 format.
- Video: Reject resolutions that are not multiples of 8, because this could cause a decoding error.

NEW FEATURES

- No new feature.

KNOWN ISSUES

- See section below.

FIRMWARE 3.4.0.4

RESOLVED ISSUES

- Video: Fixed an issue with jpeg decoding if resolution is greater than 4CIF.

NEW FEATURES

- P2P: Added new attribute to force unicast for P2P (enabled by default).

KNOWN ISSUES

- See section below.

FIRMWARE 3.4.0.3

RESOLVED ISSUES

- Video: Fixed rendering issue with interlaced video decoding.

NEW FEATURES

- Video: Display a message when detecting invalid resolution.

KNOWN ISSUES

- See section below.

FIRMWARE 3.4.0.2

RESOLVED ISSUES

- Firmware compatible with the Field Update Tool.

NEW FEATURES

- No new feature.

KNOWN ISSUES

- See section below.

FIRMWARE 3.4.0.0

RESOLVED ISSUES

- System: Fixed a potential problem with the flash memory management.

NEW FEATURES

- No new feature.

KNOWN ISSUES

- See section below.

FIRMWARE 3.0.1.7

RESOLVED ISSUES

- Point-to-Point: Fixed a problem of packet lost between the source and the decoder causing pixelization.

NEW FEATURES

- No new feature.

KNOWN ISSUES

- See section below.

FIRMWARE 3.0.1.6

RESOLVED ISSUES

- Point-to-Point: Support for Bosch VideoJet device.

NEW FEATURES

- No new feature.

KNOWN ISSUES

- See section below.

FIRMWARE 3.0.1.4

RESOLVED ISSUES

- System: Fixed an issue when changing the date / time of a device when the time zone is different as UTC.
- Serial port: Fixed an issue when reading data on the serial port.

NEW FEATURES

- No new feature.

KNOWN ISSUES

- See section below.

FIRMWARE 3.0.1.3

RESOLVED ISSUES

- RTSP: Fixed an issue with the RTSP session timeout causing a disconnection of the live stream.
- RTSP: Fixed an issue with the RTSP GET_PARAMETER command if the camera doesn't support a requested parameter.

NEW FEATURES

- No new feature.

KNOWN ISSUES

- See section below.

FIRMWARE 3.0.1.2

RESOLVED ISSUES

- Streaming: Fixed an issue with RTSP. Added the “Accept” header field in the RTSP response.

NEW FEATURES

- No new feature.

KNOWN ISSUES

- See section below.

FIRMWARE 3.0.1.1

RESOLVED ISSUES

- No new resolved issue.

NEW FEATURES

- Video: Added 1080p30 video output format.

KNOWN ISSUES

- See section below.

FIRMWARE 3.0.1.0

RESOLVED ISSUES

- P2P: Changed the timeout of active HTTP P2P connection from 30 to 5 seconds.

NEW FEATURES

- No new feature.

KNOWN ISSUES

- See section below.

FIRMWARE 3.0.0.9

RESOLVED ISSUES

- Decoder: Fixed a decoding issue with Samsung cameras.

NEW FEATURES

- No new feature.

KNOWN ISSUES

- See section below.

FIRMWARE 3.0.0.8

RESOLVED ISSUES

- No new resolved issue.

NEW FEATURES

- Video: Added frame rate throttling for a mjpeg video source .

KNOWN ISSUES

- See section below.

FIRMWARE 3.0.0.7

RESOLVED ISSUES

- System: Fixed an issue that could reboot the device after a long period of time.

NEW FEATURES

- No new features.

KNOWN ISSUES

- See section below.

FIRMWARE 3.0.0.6

RESOLVED ISSUES

- Streaming: Fixed a problem with a point-to-point active RTSP connection that could reboot the device.

NEW FEATURES

- Streaming: Added RTCP receiver report to a point-to-point active RTSP client.

KNOWN ISSUES

- See section below.

FIRMWARE 3.0.0.3

RESOLVED ISSUES

- System: Fixed a problem when reading the internal temperature causing a device reboot.

NEW FEATURES

- No new feature.

KNOWN ISSUES

- See section below.

FIRMWARE 3.0.0.2

RESOLVED ISSUES

- Point-to-Point: Improve the connection management for an RTSP client when configuring an active connection.

NEW FEATURES

- No new feature.

KNOWN ISSUES

- See section below.

FIRMWARE 3.0.0.1

RESOLVED ISSUES

- No new resolved issue.

NEW FEATURES

- System: Added support for SNMP (basic package).
- System: Improve boot up time.
- Video: Added support for the 1080i video resolution.

KNOWN ISSUES

- See section below.

FIRMWARE 2.4.1.5

RESOLVED ISSUES

- Point-to-Point: Fixed some issues when decoding an H-264 video stream.

NEW FEATURES

- No new feature.

KNOWN ISSUES

- See section below.

FIRMWARE 2.4.1.4 GA

RESOLVED ISSUES

- Point-to-Point: Fixed some issues when decoding an H-264 video stream.

NEW FEATURES

- No new feature.

KNOWN ISSUES

- See section below.

FIRMWARE 2.4.1.2 GA

RESOLVED ISSUES

- No new resolved issue.

NEW FEATURES

- Audio: Added support for audio over HDMI.

KNOWN ISSUES

- See section below.

FIRMWARE 2.4.1.1 GA

RESOLVED ISSUES

- Point-to-Point: Fixed some issues when setting an RTSP active connection for an invalid URI.

NEW FEATURES

- No new feature.

KNOWN ISSUES

- See section below.

FIRMWARE 2.4.1.0 GA

RESOLVED ISSUES

- No new resolved issue.

NEW FEATURES

- Point-to-Point: Added support for an RTSP active connection.

KNOWN ISSUES

- See section below.

FIRMWARE 2.4.0.9 GA

RESOLVED ISSUES

- Serial Port: Fixed a potential latency when using the serial port.

NEW FEATURES

- System: Added support for the export http attributes.

KNOWN ISSUES

- See section below.