Firmware Release Notes

BirdDog 4K QUAD Converter

NOTE: Due to internal BirdDog requirements, our public releases don't always have sequential numbering. Please refer to the update instructions for guidance on updating the firmware.

Version 5.5.273

New Features

- NDI 5 BirdUI.
- Fleet Manager support.
- RUDP support on 1 Gigabit per second (Gbps) connections.

Bug Fixes

- Decoded interlaced video no longer stutters on playback.
- Performance fixes for 4 x 12G encoding and decoding.
- The splashscreen no longer displays intermittently during encoding.

Known Limitations

- Encoding more than 3 x Multicast 12G may produce degraded performance.
- OLED display does not show the NDI stream name.
- When decoding interlaced video formats, it may be required to adjust the field order (A/V tab) in the converter BirdUI.

PREVIOUS RELEASE NOTES

Firmware 4.5.197–LTS

- NDI Discovery Server now works correctly with PC sources.

Known limitations

- Tally light and HDMI port are disabled.

Firmware 4.5.196–LTS Public Preview

This release includes the following new features and bug fixes:

- Failover source now works correctly.
- Interlaced video is now processed correctly.
- Added a **Interlaced Field Order** switch providing choice of odd or even. After switching the interlaced field order, click the **Reset Video** button to apply the setting.
- Added Restfull API support.
- Enhanced general performance and stability, including less incidence of dropped frames.

Known limitations

- When switched to NDI Discovery Server, some PC video sources do not connect to QUAD.
- Tally light is disabled.

Firmware 4.5.181–LTS(BETA)

This release includes the following new features and bug fixes:

- New optimised video codec provides overall improvements to video processing and image quality.
- Fixes potential stability issues found with some software decoders on particularly challenging video frames.
- Adds high–frequency (extreme detail) bitrate management optimisation.
- Improves the video quality of the proxy stream.
- Adds API control.
- Adds a screensaver and failover source features.
- Fixes an issue causing incorrect encoding of interlaced videos.
- Fixes an issue causing –3dB attenuation of audio levels in encode mode.
- Fixes an issue that was distorting the analogue audio output.
- Fixes an issue affecting tally light operation.
- Fixes an issue causing dropped video frames in multicast mode.
- Fixes an issue preventing the DHCP server from assigning the correct IP address on start up.

Known Limitations

- Tally light is disabled.
- Multicast is not operational.
- If distorted audio occurs, click the Restart Video button.

Network Settings Reset Procedure

Sometimes, to restore correct operation of the device, you may need to reset the network configuration back to the default settings.

1. For partial reset (device name and DHCP network address):
    Press and hold the reset micro switch for 5 seconds.
2. For full reset of all network settings (device name, DHCP network address, and selected Ethernet interface):
    Press and hold the reset micro switch for 20 seconds.

Firmware 20.10.170

This release includes the following new features and bug fixes:

-   Enables a SFP+ interface (10G).
-   Enables 4K DCI SDI inputs.

Firmware 20.10.167

This release includes the following new features and bug fixes:

-   Fixes an issue with the encoder locking up when set to DHCP.
-   Adds NDI v.4.5.3 support.
-   Adds NDI bandwidth management.
-   Enables a decode mode.
-   Improves the OLED display refresh rate.
-   Improves the Tally display refresh rate.
-   Minor cosmetic improvements made to BirdDog Dashboard (Web UI).
-   Under the hood performance and stability improvements.

Firmware 1.5.3

This release includes the following new features and bug fixes:

-   Adds a loop-out video selection in the Web UI.
-   Fixes an issue with the reset button not resetting the static IP address.
-   Under the hood performance and stability improvements for the Encode mode.