



Release Notes

Presentation Recorder Hydra

Version 9.3.5

(Software Updates)

April 12th, 2017

NCast Support

Web site	www.ncast.com	Phone	+1 408-844-9080 x247
Email	support@ncast.com	FAX	+1 408-844-9091

Thank you for purchasing NCast products

Introduction

This note covers the changes to software in the NCast Presentation Recorder products.

The fastest way to get support for your product is to open a support ticket on our website. Go to the Contact page on our site to get started. It is often helpful to include the downloaded logs with your ticket. Logs may be downloaded from the Status page on the recorder.

Software Updates

You may obtain the most current software by clicking the UPDATE icon in the Presentation Recorder web page.

Known Issues Under Active Review

- Repeated reconfiguration of channel resolution can cause the unit to hang.
- Opencast file upload requires filenames of “xyz” and “xyz-2”.
- Audio from HDMI-1 works only if HDMI-1 is selected as Main or PIP input.
- Video adjustments for HDMI-2 and SDI work only for first capture (Advanced Settings tab).
- Framerate limited to 30 in dual capture mode.
- On dual capture framerate conversion is done on assumption that the signal frequency is 30Hz (interlaced) or 60Hz (progressive). If it's not true the framerate will be incorrect (lower). For example if input is 50Hz and fps is set to 30 you will get $50/2=25$ instead of $60/2=30$.
- No de-interlacing on dual capture.

Unimplemented Features Under Development

- Audio from SDI.
- Audio +/- delay slider adjustment.
- UPS on USB monitoring and reporting.
- Remote logging.

Version 9.3.5 changes

April 12th, 2017

New features

This is a maintenance release only.

Bug Fix

Frame size fix - width must be multiple of 16.

Version 9.3.4 changes

March 23rd, 2017

New features

This is a maintenance release only.

Bug Fixes

FTP connection test fix.

Video swap between HDMI-2 and Composite inputs fix

Rotate events file.

Version 9.3.3 changes

February 27th, 2017

New features

This is a maintenance release only.

Bug Fixes

Scheduler fix - run events in progress.

Scheduler fix - handle IP address change.

Audio channel swap fix.

Video player fix - deinitialise player on window close.

Version 9.3.2 changes

February 13th, 2017

New features

This is a maintenance release only.

Bug Fixes

HDMI-2 input capture fix.

Version 9.3.1 changes

February 1st, 2017

New features

Added support for Box upload.

Bug Fixes

HDMI-2 input hotplug fix.

Opencast series count fix - up to 20 series were retrieved from the server.

Minor web page changes - renamed Custom tab to Miscellaneous etc.

Version 9.3.0 changes

January 16th, 2017

New features

Switched to HTML5 video player.

Added support for channel RTMP options to serial interface.

Added support for new modes on HDMI-2 input.

Updated EDID on HDMI-2 input.

Bug Fixes

Google Calendar fix.

HDMI-2 input detection fix.

Version 9.2.5 changes

November 2nd, 2016

New features

Added key frame interval option.

Bug Fixes

FAT file time stamps fix - use local time instead of UTC.

Set pixel aspect ratio in H.264 stream.

DaCast compatibility fix - added VUI header to H.264 stream.

Version 9.2.4 changes

August 30th, 2016

New features

This is a maintenance release only.

Bug Fixes

Fixed high CPU usage.

Manual archive upload fix.

Ignore initial spaces in scheduler command list.

Version 9.2.3 changes

August 2nd, 2016

New features

This is a maintenance release only.

Bug Fixes

Fixed archive upload to Opencast server.

Version 9.2.2 changes

June 24th, 2016

New features

Added dual archive player.

Bug Fixes

No bugs.

Version 9.2.1 changes

April 29th, 2016

New features

Added recording id.

Added live dual player.

Added support for second RTMP server.

Bug Fixes

Fixed PPS dual upload.

Fixed live player window size.

Fixed serial interface dual capture size status.

RTMP server security fix.

Version 9.2.0 changes

March 10th, 2016

New features

Added Media Gallery.

Bug Fixes

Fixed L[0|1] serial command.

Opencast upload encoding fix.

Version 9.1.0 changes

January 18th, 2016

New features

Optimized video performance (use 1 encoder per capture).

Added watchdog timer.

Added license key (for optional features such as the Media Gallery).

Software update reports serial number to update server.

Session start takes parameters from Channel.

Bug Fixes

Restore unit session state after hard reset.

Version 9.0.2 changes

December 11th, 2015

New features

Added support for graphic modes on HDMI-2.

Added support for 1360x768 and 1400x1050 modes on HDMI-2.

Bug Fixes

HDMI-2 signal detection fix - report no signal for unsupported modes.

Version 9.0.1 changes

December 8th, 2015

New features

Added RTMP live player.

Added YS serial command - it reports dual input status.

Bug Fixes

Main & pip window size fix - limit window size to capture size.

Video quality fix - scaler produced poor quality when cropping was enabled.

Version 9.0.0

November 25th, 2015

New features

Added video upload to Google Drive.

Added video upload YouTube.

Bug Fixes

Limited second capture frame rate to 30.

Changed frame rate conversion method (use frame skip at firmware level).

Version 9.0.0-Beta 14 changes

November 17th, 2015

New features

Added GS and VS serial commands.

Bug Fixes

XLR audio loopback fix.

HDMI audio input delay fix (receive mode).

REST endpoint /status/encoder fix.

Fixed dual channel video profile in audio only mode.

Version 9.0.0-Beta 13 changes

November 3rd, 2015

New features

Enabled live RTMP streaming on internal streaming server.

Bug Fixes

Changed RTMP chunk size to 4096.

OSD performance fix.

Audio loopback fix.

Disabled audio input delay option on web page.

Recording auto start fix (RTMP streaming channel).

Version 9.0.0-Beta 12 changes

October 23rd, 2015

New features

This is a maintenance release only.

Bug Fixes

HDMI-2 detection fix on startup (first capture).

Audio loopback fix.
Recording and streaming stop fix.
RTMP authentication fix.
Media process crash on start fix.

Version 9.0.0-Beta 11 changes

October 21st, 2015

New features

This is a maintenance release only.

Bug Fixes

Changed RTMP connection timeout to 3 secs.
Updated RTMP library to the latest version.
RTMP streaming stop fix.
Fixed right channel audio delay from ST8028 (HDMI-1 audio input).

Version 9.0.0-Beta 10 changes

October 16th, 2015

New features

This is a maintenance release only.

Bug Fixes

Streaming and recording start & stop fixes.

Version 9.0.0-Beta 9 changes

October 15th, 2015

New features

This is a maintenance release only.

Bug Fixes

Streaming and recording start & stop fixes.

Version 9.0.0-Beta 8 changes

October 13th, 2015

New features

Added LS[0|1] serial commands. Controls loopback display swap.
Added display swap to serial status ("s").
Added audio input to channel configuration.

Bug Fixes

RTMP connection status fix.
USB disk status fix.
Update IP address in OSD.

Media process stability fixes.
Added memory usage dump to logs.

Version 9.0.0-Beta 7 changes

October 6th, 2015

New features

Implemented blackout on pause & resume option.
Added board temperature.

Bug Fixes

Dual capture video framerate fix.
Dual capture SDI input detection fix - detects correct vfreq and hfreq.
Broken display.conf fix - fix display.conf file on media process start.
Removed fan speed option.

Version 9.0.0-Beta 6 changes

September 25th, 2015

New features

Added dynamic text overlays.
Added MP4 processing options (hint tracks, optimization and Final Cut fix).
Added SDI input signal detection.
Added Cnum,N serial command.

Bug Fixes

Fixed SDI input dual capture (supports interlaced modes and resolutions other than 1920x1080).
SDI input dual capture fix - when SDI signal is not active fallback to HDMI-2.
Added Cnum,N serial command.

Version 9.0.0-Beta 5 changes

September 18th, 2015

New features

This is a maintenance release.

Bug Fixes

Dual capture stability fix - capture was sometimes stopping on cable connect/disconnect, interlaced input frames were sometimes out of order.
Ethernet speed fix - 1000 Mb/s mode was not reported correctly on web page.

Version 9.0.0-Beta 4 changes

September 15th, 2015

New features

Added setting manual ethernet mode.

Bug Fixes

RTMP disconnect on session start fix.

RTMP URL fix (media was aborting on invalid RTMP URL).

Fixed display swap (screens were not swapped).

Matterhorn upload fix (compatibility with 2.0).

Removed RTSP channel type.

OSD network fix (it was reporting no network when network was available).

Changed V and G serial commands to be backward compatible with PR.

Updated default image and text overlays (removed old NCast address).

Version 9.0.0-Beta 3 changes

September 4th, 2015

New features

Line-In loopback.

Bug Fixes

STDP reset - after firmware update ST was not pulled from reset

1000 Mbps entry

Removed hald - faster boot

Audio meter db scale thicker (VGA out)

Lowered ssh log level

Media crash on startup

sshd shadow and passwd files

Smaller www statusbar icons

Version 9.0.0-Beta 2 changes

August 28th, 2015

New features

Implemented Receive channel.

Added info screens.

Added display swap option.

Added setting serial number.

Bug Fixes

Reboot fix.

Fixed default channel names.

Audio level fix.

Dual capture web page changes.

Version 9.0.0-Beta 1 changes

August 14th, 2015

New features

Dual capture support.

RTMP streaming.

Audio from HDMI.

Updated serial commands.

Bug Fixes

N/A