

Ensemble Designs
BrightEye NXT Software Version 3.0

New Features and Benefits

April 2016

MPEG Encoding & Decoding

NXT 445, NXT450

1. Adds support for CEA 708 Closed Captions in both Encoding and Decoding.
2. Adds support for AAC Audio Encoding.
3. Adds support for UDP protocol for all streaming inputs and outputs. This is in addition to existing RTP support. RTP continues to be the recommended method when possible.
4. Adds RTMP streaming protocol to Unicast A to support Content Delivery Networks (CDN). Web UI provides status indication of connection to CDN.
5. Adds Decoder Status information to Web UI.
6. Corrects bug in how choice of Static vs. DHCP IP addressing for Media port is managed in the Web UI.

Pip-Efx & DualPath

NXT 410-H, NXT 430-X, NXT 450, NXT 445

1. Original software license for PiP-Efx is now called Multimage License. Existing PiP-Efx licenses will continue to work as Multimage License. The new Multimage License supports both PiP-Efx and DualPath.
2. Adds DualPath Tx (Multiplexing).
3. Adds DualPath Rx (Demultiplexing).
4. One Hour 'demo mode' for PiP-Efx and DualPath. Normal operation requires Multimage License.

Up/Down/Cross Converting Clean Switches

NXT 410-H, NXT 430-X, NXT 450, NXT 445

1. Added support to cleanly switch Dolby D & E audio content.
2. 1080sF input to all output formats: 1080i, 1080p, 720p, SD, etc.

Clean Switches

NXT 430, NXT 410

1. Added support to cleanly switch Dolby D & E audio content.

General Features and Improvements

all NXT family products

1. Adds new commands to TCP/IP External Control interfaces:
 - Recall Actions
 - Execute Crosspoint Salvos
 - Control specific features in Encoding and Streaming (445 and 450)
2. Refresh speed of Web UI thumbnails is doubled.
The thumbnail images (proxies) of Sources and Destinations in the web interface are now updated twice as fast.
3. DVB-ASI and AES signals detected and identified in thumbnail displays on both Web and front panel.
4. General improvements in Web UI:
 - The Web interface is now faster and more responsive.
 - Fixes error in PiP-Efx control under FireFox web browser.
 - Fixed data windows that were too narrow in some browsers.
5. Improvements in operation of front panel controls.
6. Fixed bug where editing TSG 1 text string could corrupt TSG 2.