



SOFTWARE VERSION RELEASE NOTES

NEPI ENGINE

Table of Contents

Version #: 2.0.3.....	2
Version #: 2.0.4.....	2

Version #: 2.0.3

Issued: Sept 7th, 2023

NEPI SDK Updates

SYSTEM:

- WiFi: Allow setting access point SSID/Passphrase via ROS interface
- WiFi: Added WiFi client support

NAVPOSE:

- NavPoseMgr: Major rewrite to correct longstanding bugs and inconsistencies
- GPSD_ROS_Client: Update for new NavPoseMgr API

CONNECT:

- NEPI_Link_ROS_Bridge: Make public SSH key available over ROS API
- NEPI_LINK_ROS_Bridge: Update for new NavPoseMgr API

DRIVERS:

- New Pan/Tilt NEPI abstracted driver class (PTX)
- IQR Pan/Tilt PTX ROS node and new IQR PTX NEPI driver
- Add Mavlink ROS node

NEPI RUI Updates

- Reorganized top menu: Connect-->Apps subitem, new Controls menu with PTX sub-items
- ADMIN Page: Added WiFi client and Access Point setup
- NAVPOSE Page: Completely restructured to support new backend
- CONNECT Page: Added option to show public SSH key
- PAN/TILT Page: New pan/tilt control and status page

Version #: 2.0.4

Issued: Oct 11th, 2023

NEPI SDK Updates

SYSTEM:

- Improved ownership and permissions settings for user partition
- ROS node user-modified config files now reside in user partition
- ROS node user and select system config files can be restored from user partition

DRIVERS:

- General fixes for V4L2 camera drivers
- Auto-start IQR Pan/Tilt ROS node when hardware is detected (plug-and-play)
- IDX Node: Allow configurable ignored L4V2 devices (default list includes Zed2, Zed-M, and some RB5 built-ins)

NEPI RUI Updates

- Avoid showing developer license warning on page refresh and dropped connection
- CONNECT Page: Updated text labels and text field behaviors
- ADMIN Page: Added a User Restore (Advanced Setting) button to support post-sw-update settings restoration
- PAN/TILT Page: Look and feel updates