2.21.xx Initial Public Release August 2015

Highlights: Extended support for HD video processing applications.

2.21.13 (03/08/2016)

- 1500 + 3000 - Added Hitachi Lens control set zoom position inconsistent.
- Panel Plus - Updated lens control interface to allow entering position in Hex.

Note: There is a Panel Plus version for this specific firmware release

2.21.12 (02/01/2016)

- 1500 - Updates and fixes for Tamron 10x camera support.
- 1500 - Fixed generic digital parameters when setting non-aligned width crashes video track.
- 1500 - Fixed Tamron camera to follow VISCA for resolution settings.
- 3000 - Fixed interface with blending.
- Panel Plus - Updated digital acquisition parameters to match interlaced option (not de-interlaced).
- Panel Plus - Updated display destination designated from hardware when connecting to the board.
- Panel Plus - Fixed picture in picture to size correctly with zoom to track mode is enabled.
- Panel Plus - Fixed video acquisition configuration size for Sony.
- Panel Plus - Fixed display capture size for command camera.
- Panel Plus - Fixed prioritize telemetry with checkbox enabled.

2.21.11 (11/25/15)

- All - Updated max length of setLensMode, setLensParams for forward compatibility.
- All - Updated Sony control to better support Tamron. Autobaud return to 9600, request focus zoom position.
- All - Fixed handling of advanced MTI parameters used to filter out targets. Current downsample values were not being used.
- Panel Plus - Updated manual button to request focus and zoom position.
- Panel Plus - Fixed Serial Port 2 passthrough, Generic Digital Settings, No Video Timeout.

2.21.10 (11/04/15)

- All - Added termination byte to h.264 SEI message used for synchronous microsecond timestamp.
- All - Updated performance of font rendering.
- All - Updated focus stats telemetry (0x55) to add camera index.
- All - Fixed issue with opening video and snapshot files if there is not available disk space.
- 1500 - Updated generic digital parameters for horizonal front porch to be doubled for 14 bit.
- 1500 - Updated recording status of SD card was never reported as started on 1500 HW.
- 1500 - Fixed crash with full SD card and lots of empty files when it goes to restart at 1GB.
- 3000 - Fixed rendering of classic font.
- Panel Plus - Fixed display of generic digital camera init code.

2.21.09 (10/02/15)

- New command and control protocol functions packing example code (slfip.cpp/h)
- All - Added option to save or not telemetry/packet destinations.
- All - Added BG.656 NTSC/PAL digital camera modes.
- All - Fixed telemetry output of -1, -1, 0 when changing track size.
- 1500 - Fixed change between analog and digital with net crashes Video Track.
- 1500 - Fixed don't restart active video recording when the camera changes.
- Panel Plus - Fixed case where multiple listings of the same file from sd card would show up.
- 1500 - Fixed BT.656 PAL mode to eliminate green bar when no PAL analog camera is connected.

2.21.08 (09/09/15)

- Added control to not use pan-tilt display offsets in zoom to track mode.
- Fixed incorrect track momentum initial condition calculation.
- Improved handling of tracking through bad registration
- 1500 - Fixed frame step for HDMI input capture causing video hang.
- 3000 - Fixed recording to SD card for any camera that is sending to Net0.

2.21.07 (08/17/15)

- Initial Public Release of 2.21
- Updated MTI with new modes and settings flexibility.
- Extended pixel depth CLAHE processing.
- Full frame option for reporting temperature statistics for thermal cameras.
- GPIO support of SL commands via sample ARM code.
- Focus metric telemetry output.
- New OSD functionality.
- Panel PLUS is updated and becomes the baseline test support application starting at 2.21 (replaces SLA Panel).
- Initial production release for SLA-3000. Dual stream HD, dual telemetry output
- Fixed misc small issues.
- 1500 - Initial implementation of MJPEG network camera input (eval/beta only).
- 1500 + 3000 - Block camera zoom and focus controls within protocol.
- 1500 + 3000 - 16-bit PNG snapshots.