



SightLine has completed our 2.25 software release. The release includes both new functionality and continuous improvement to our existing functions and Panel Plus software. Updates include:

### AI Classifier

(3000-OEM only)

- Drone detection with **Deep Learning** classification identifies detected objects as “drone” or “not drone”, reducing false detections
- AI Classifier is enabled with Drone Detection mode. Requires the Detection – Advanced app bit

### Counter UAS

- Significant improvements to drone detection and tracking (see AI Classifier)
- Classifying objects as a drone improves transition to track

### Detection and Tracking

- Incremental improvements to all detection and tracking modes
- Telemetry includes total number of detections with Detection enabled on SLE configurations
- Acquisition Assist improvements, better tracking through big target movements

### DPR and NUC

(Dead Pixel Removal and Non-Uniformity Correction)

- Simplifies IR camera integration by eliminating need for a separate DPR/NUC board
- Onboard calibration for two-point NUC, dead pixel determination, one-point FFC, and storage of multiple NUC and DPR tables

### Gas Enhancement

- False coloring of gas leaks improves operator awareness
- Provides the first step towards autonomous gas leak detection

### KLV

- All KLV tags defined in MISB 0601 now supported
- Ability to choose source of metadata on a per-KLV-field basis
- Decode metadata when KLV pass-through is enabled

### Recording / Snapshot

- Add KML and NITF metadata format options for snapshots
- Additional EXIF data options with JPEG snapshots
- Big snapshot: 1080 snaps on 1500-OEM

### OSD Improvements

- Persistent KLV metadata overlays greatly reduces the number of commands that need to be sent to video processor (does not require KLV application bit)
- New text overlay fonts (Arial, Verdana, and Calibri) available in regular, bold, fixed width, and non-fixed width. New text shadow mode.
- Additional flexibility with customer logo watermark display
- Clean overlay text and PiP display when e-stab borders are large

### Video Decoder Function

(3000-OEM only)

- Decode H.264/MPEG4. SightLine encoded video as a video input
- Can be used as video input source in simulation and test environments
- Ground station use, providing HDSI, HDMI, and analog outputs from IP video stream

### Blending Function

(3000-OEM only)

- Multi-spectral inputs can be blended into a single image with false color to bring out the best of each spectral image
- New pixel alignment methodology to blend EO/IR cameras greatly eases setup

### Precision Landing

- Added detection of reverse polarity landing pattern, enables IR camera compatibility

### Upgrade Utility

- A command line upgrade option is now available for incorporation into customer applications

### Documentation Updates

- Updates to all SightLine Engineering Application Notes and ICDs explain updates made in the software
- New to the IDD protocol document is an overview of all changes to the C2 protocol