# TRUEVIEW FIRMWARE RELEASE NOTES

## VERSION: 2.4.3-2(A012626C)

### SUPPORTED PAYLOADS:

The payloads supported by this firmware update;

**TrueView625, TrueView655, TrueView 660, TrueView680 and TrueView720.**

### FIRMWARE UPDATE DESCRIPTION

- Update to how internal time setting is handled.
- Added optional selection of storage media for Riegl LiDAR data recording.

## VERSION: 2.4.1-1(8B472BEA)

### SUPPORTED PAYLOADS:

The payloads supported by this firmware update;

**TrueView517, TrueView535, TrueView537, TrueView545, TrueView625, TrueView655, TrueView 660, TrueView680 and TrueView720.**

### FIRMWARE UPDATE DESCRIPTION

- Added optional FOV setting for Pandar LiDAR. FOV can now be configured through the WebUI Settings.
- Removed unnecessary warning messages.

## VERSION: 2.4.0-4(70BC6EF5)

### SUPPORTED PAYLOADS:

The payloads supported by this firmware update;

TrueView Firmware Release Notes

## FIRMWARE UPDATE DESCRIPTION

- Added support for new TrueView payloads "vC".
- Mobile mapping:
  - Added optional MapView to Web UI. ○ MapView plots recent CyclePaths to visualize covered areas.
  - MapView can import kml file to visualize path to be scanned.
- Fixed folder access for ftp.
- Fixed stop camera stream when terminating.
- All error messages from Riegl to be forwarded to WebUI.
- Added error message to prevent buffer overflow of Riegl scanner.

## SUPPORTED PAYLOADS:

The payloads supported by this firmware update;

**TrueView436, TrueView516, TrueView535, TrueView625, TrueView655, TrueView 660, TrueView680 and TrueView720.**

## FIRMWARE UPDATE DESCRIPTION

- Mobile mapping:
  - Added support for mobile mapping. ○ Added recording pause button to WebUI. ○ Not aligned IMU will turn orange in WebUI for mobile mapping.
  - Added configurable static APX data collection timeout.
- WebUI: ○ Added Settings profile selection to WebUI. ○ Added Pilot Logbook for WebUI. ○ Added settings option to set camera picture interval.
  - Added storage progress bars for USB drives attached directly to LiDAR into WebUI. (Only for TV6xx and TV7xx series.) ○ Added LiDAR settings calculator with limits for all supported Riegl models. (Only for TV6xx and TV7xx series.)
- Direct access to the internal memory ○ Added ftp access to the internal payload memory. This allows dataset to be downloaded from the payload over WiFi without using the USB Drive.
- Other Changes and Fixes: ○ If USB drive gets full, continue recording to internal storage.
  - Riegl LiDAR drivers updated. ○ APX To4 logging will be programmatically set to "Always" mode. ○ Oversized UDF Frame will be split into smaller frames. ○ Increased GNSS fix quality to improve home position for proximity mode. ○ Geotagging fix: Pictures will be tagged after flight in case of a late APX event.
  - To4 file will be downloaded from APX after each flight. This allows user to access the To4 file from payload internal memory directly after landing.

VERSION: 2.0.1-1 (DC115155)

## SUPPORTED PAYLOADS:

The payloads supported by this firmware update;

**TrueView436, TrueView516, TrueView535, TrueView655, and TrueView 660.**

## FIRMWARE UPDATE DESCRIPTION

- Resolved system crash occurring when the USB drive is full in flight:
  - When recording on external USB drive, recording will continue internally after filling up the USB drive.
- Fixed APX user access through Wi-Fi: ○ APX or LiDAR web page can now be opened using a Wi-Fi connection.
- Added pre-flight data transfer progress bar.
- Added visual recording indicator and additional heartbeat indicator to the Web UI.
  - This prevents early shutdown in case firmware appears to be unresponsive.

## VERSION 2.0.0-4 (3DF5369A)

### SUPPORTED PAYLOADS:

The payload supported by this firmware update;

**TrueView436, TrueView516, TrueView535, TrueView655, and TrueView 660.**

### FIRMWARE UPDATE DESCRIPTION

- Recorded data structured for direct processing in LP360.
- Web UI:
  - User interface available through Wi-Fi as a web page running on the payload internal server.
  - This interface provides status overview of the system, troubleshooting information and configuration parameters.
- Data can be collected directly to the USB drive (Only recommended for the TrueView535 payload.
- LiDAR data files (udf) automatically split and are recombined to support large datasets on FAT32 drives. The recommended filesystem format for external drive is FAT32.
- GNSS lever arms can be configured through the Web UI.
- Multiple cameras are supported in the workflow.