ZEB Discovery Image Processor

Software Release Notes

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This document is the Release Notes of GeoSLAM ZEB Discovery Image Processor.

Release References

Release Date	July 23rd 2021
ZEB Discovery Image Processor	Version 1.3.3

Deliverables

1. ZEB_Discovery_Image_Processor_Rel_Notes.pdf, the Release Notes (this document).
2. ZEB_Discovery_Image_Processor_Installation_Guide.pdf, the Software Installation Guide.
3. Factory Default.xml, default system leverarms (currently set to 0).
4. ZebDiscovery.Installers.ImageProcessor_v_1_3_3.zip, contains the Image Processor installer for Windows.

Recommend System Requirements

The following operating systems are supported:

- Windows 10

Installation

Before installing the ZEB Discovery Image Processor software, please consult the ZEB_Discovery_Image_Processor_Installation_Guide.pdf software installation guide and section "installer known issues and limitations" below in this document.

To install ZEB Discovery Image Processor software on your PC, please execute *ZebDiscovery.Installers.ImageProcessor_v1_3_3.msi* on Windows. The installer is provided with the product delivery or can alternatively be downloaded from https://geoslam.com/support/.

Notes

Please note the following warning.

Image Processor v1.3.3 will not process data captured after the following date: 31.01.2020

ZEB Discovery Image Processor v1.3.3

ZEB Discovery Image Processor Installer v1.3.3

ZEB Discovery Image Processor installer differences to previous versions

V1.3.3

- No differences.

V1.3.2

- No differences.

V1.3.1

- No differences.

V1.3.0

- No differences.

Installer known issues and limitations.

- No known issues.

ZEB Discovery Image Processor v1.3.3

ZEB Discovery Image Processor installer differences to previous versions

V1.3.3

New Features

- Integration of NCTech SDK (Software Development Kit) v2.2.9.1.
    - Expiration date for processing of legacy and unencrypted iSTAR Pulsar+ data extended to the 31st of January 2022.

Improvements

- No Differences.

Issues Resolved

- No Differences.

V1.3.2

New Features

- Added the 'Time in File Name' checkbox to the 'STITCHING' tab to provide UTC time in the JPEG file name.
    - Each JPEG will follow the naming convention: *Camera_Serial-Unix_Timesamp-Year-Month-Day-Hour-Minute-Second-Centisecond.*
    - This ensure that the JPEG images from multiple different capture will not be named identically.

Improvements

- No Differences.

Issues Resolved

- No Differences.

V1.3.1

New Features

- Integration of new NCTech SDK (Software Development Kit) v2.2.8.1.
    - Expiration date for processing of legacy and unencrypted iSTAR Pulsar+ data extended to the June 30th 2021.

Improvements

- Data captured using indoor preset will assume poor/no GPS coverage and therefore ignore all GPS during processing.

Issues Resolved

- Solved issue where frames were dropped unexpectedly during processing if their associated GNSS data was of low quality.

V1.3.0

New Features

- Update to the most recent NCTech SDK v2.2.6.1 (Software Development Kit) to ensure compatibility with the latest NCTech camera firmware.
    - It supports processing of encrypted data.
- Drag and drop option for 'Camera Data Folder' and 'Scanner Trajectory'.

Improvements

- Tooltips have been added to each entry in the STITCHING tab.
- Time and Distance Spacing are now clearly separated and can be selected using dropdown window.
- Image Time Interval (s) has been replaced by Image Count Spacing (Nth).
    - This allows the user to more easily determine which proportion of the images they wish to keep.
    - It also enables to export images at a frame rate higher that 1 fps
- The frame rate resulting from chosen Image Count Spacing value is now calculated and shown within the interface.

Issues Resolved

- Fix for captures where the camera was started before the scanner.