Seekware™ Linux SDK (2.9)
Release Notes

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1. Introduction

This document communicates the major new features and changes in this release of the Seekware Linux SDK. It also documents known problems and workarounds.

2. About This Release

This document describes release v2.9 of the Seekware Linux SDK which contains Image Processing v2.5.3.12

3. Compatible Products

This product was built on ubuntu 16.04 LTS and has been tested on the following platforms:

- Xubuntu, Ubuntu 16.04 LTS (x64), Ubuntu 17.10 (x64),), Ubuntu 18.04 (x64)
- Armbian on Orange Pi Zero H2+
- Debian on BeagleBone Black
- Raspbian Stretch Lite on Raspberry Pi 3
- Fedora 24 Linux on Samsung ARTIK 530 Development kit (ARM 32-bit)

With the following Seek Products:

o Compact
o Compact Pro
o J1 Platform Core
o J2 Platform Core
o J3 Starter Kit

4. Updates & Bug Fixes

4.1 Updates

- New seekthermal udev rules that improve reliability when restarting Seek devices.
- Model Number and Manufacture Date are now available in the device info struct.
- Added support for multiple cameras in the seekware-test sample app.
- Improved frame rate in the seekware-simple sample app.

4.2 Bug Fixes

- The GetImage/GetImageEx functions will no longer block when encountering a libusb error.

5. New Features

5.1 New API Functions

5.1.1 Seekware_GetThermographyImage

5.1.2 Seekware_GetDisplayImage

5.2 New Features for Seekware_GetSettingEx/Seekware_SetSettingEx

5.2.1 FEATURE_MINMAX

5.2.2 FEATURE_OEM

6. Interface Changes

Seekware_GetThermographyImage and Seekware_GetDisplayImage provide a simpler interface for gathering either fixed point thermography values or ARGB display values.

7. Known Bugs and Limitations

7.1 Known Limitation

If Seekware_Find returns num > 0 it is recommended to call Seekware_Open and Seekware_Close on the device before calling Seekware_Find a second time.

8. Deprecated

8.1 Settings:

8.1.1 SETTING_CONTROL

Use Seekware_SetSettingEx with SETTING_SMOOTHING and SETTING_AUTOSHUTTER instead.

8.2   Functions:

8.2.1   Seekware_GetSetting – Use Seekware_GetSettingEx instead

8.2.2   Seekware_SetSetting -- User Seekware_SetSettingEx instead

8.2.3   Seekware_OnSignal – Deprecated since v2.0 will be removed in v3.0+

8.2.4   Seekware_OnExit -- Deprecated since v2.6 will be removed in v3.0+

8.2.5   Seekware_GetSpot – Will be replaced by FEATURE_SPOT in v3.0+

8.2.6   Seekware_SetUserLUT – Will be replaces by FEATURE_USER_LUT in v3.0+

8.2.7   Seekware_GetImageEx –Enabling telemetry will be moved to FEATURE_TELEMETRY in v3.0+

8.3   Types:

8.3.1   sw_model – Use the modelNumber field in the sw struct instead

8.3.2   sw_control – Use SETTING_AUTOSHUTTER and SETTING_SMOOTHING instead

9. Revision History

Version	Date	Summary of Changes	Author	Revision Marks (Yes/No)
2.9	13-Aug-2018	New Features Release	Shane Williams	No
2.8	18-Jul-2018	New Features Release	Shane Williams	No
2.7	22-Jun-2018	Added Support for Additional Targets	Shane Williams	No
2.6	1-Jun-2018	New Features Release	Shane Williams	No
2.5	18-Jan-2018	Minor Bug Fix Release	Lennie Araki	No
2.4	13-Nov-2017	Initial Revision	Blake Henry	No