



USB3 Camera Firmware Release Notes

General description:

Besides the GRYPHAX® application as well as the DijSDK package, we deliver an additional application called: "USB3CameraServiceTool.exe" to update camera firmware version.

History of Firmware version:

ARKTUR / NAOS / POLARIS

1.004 (initial firmware release)

1.008 (release date: 26.10.2016)

- add Sensor / EEPROM reset after firmware update
- bug fix a problem with read of high blemish values from EEPROM
- bug fix for trigger out

1.012 (release date: 22.03.2017)

- bug fix for unexpected timeout during image acquisition
- bug fix for image ROI

1.014 (release date: 12.12.2017)

- add OEM camera support

1.024 (release date: 21.05.2019)

- stability enhancement for USB 3 interface connection
- general color reproduction improvement
- Gain extension to value 30*
- Exposure time extension to 30 seconds*
- LED status corrected
- add new camera support

(*in combination with DijSDK V2.2 or later | GRYPHAX V2.1 or later!)



1.028 (release date: 23.10.2020)

- new option for adjustable live frame rate (frame period)**
- POLARIS – extend camera sensitivity
- POLARIS – increase camera dynamic range
- POLARIS – change min and max values exposure time & gain
- stability enhancement for USB 3 interface connection
- general color reproduction improvement

1.030 (current version; release date: 20.11.2020)

- fixed an issue for image capture with 10 bit image mode

(**in combination with DiJSDK V2.5.2 or later | GRYPHAX V2.2 or later!)

KAPELLA / RIGEL / PROKYON / SUBRA / WEGA

1.002 (initial firmware release)

1.006 (release date: 06.09.2016)

- bug fix EEPROM reset after Firmware update
- add deactivation of "USB-3.0-Link-Power-Management" from Windows systems for more stability
- bug fix minimum exposure time

1.008 (release date: 28.09.2016)

- add Sensor / FPGA reset after firmware update
- bug fix for trigger out for single image shot
- bug fix a problem with read of high blemish values from EEPROM
- bug fix for black offset with gain

1.010 (release date: 18.10.2016)

- adaption of camera base gain according recommendation from SONY

1.014 (release date: 13.12.2016)

- fix problem for LED indicator during micro-scanning image capture
- add OEM camera support
- bug fix for Gain value after abort image
- fix a problem for Gain and Offset values at image meta-data

1.016 (release date: 21.01.2017)

- bug fix for image ROI
- bug fix for unexpected timeout during image acquisition



1.020 (release date: 27.03.2017)

- bug fix for wrong image size with ROI and micro-scanning images
- bug fix for long exposure time with ROI and micro-scanning images

1.028 (release date: 21.05.2019)

- stability enhancement for USB 3 interface connection
- general color reproduction improvement
- Gain extension to value 60 (KAPELLA, PROKYON)*
- Exposure time extension to 60 seconds (KAPELLA, PROKYON)*
- new image modes - 2x summing*
- add new camera support

(*in combination with DijSDK V2.2 or later | GRYPHAX V2.1 or later!)

1.044 (current version; release date: 23.10.2020)

- increased live frame rate to 120 fps for RIGEL, KAPELLA, PROKYON (slow-motion feature)**
- new option camera cooling feature for RIGEL, KAPELLA, PROKYON (factory calibration inside camera)**
- new option for adjustable live frame rate (frame period)**
- stability enhancement for USB 3 interface connection
- general color reproduction improvement

(**in combination with DijSDK V2.5.2 or later | GRYPHAX V2.2 or later!)

AVIOR / ALTAIR / BETRIA

1.018 (initial firmware release)

1.020 (release date: 23.10.2020)

- new option for adjustable live frame rate (frame period)**
- stability enhancement for USB 3 interface connection
- general color reproduction improvement

1.022 (current version; release date: 20.11.2020)

- fixed an issue for image capture with 10 bit image mode

(**in combination with DijSDK V2.5.2 or later | GRYPHAX V2.2 or later!)

We looking forward to hearing from you and remain sincerely,

Your GRYPHAX® Team