Affected Product	Manta B camera series
PCN Title	Manta B firmware update 01.54.14865
PCN No.	2014-02-01

		PCN Issue date	2015-11-09

Contact	pcn@alliedvision.com

Type of change

- ☐ Regulatory / Compliance
- ☐ Mechanical Specification
- ☐ Electrical Specification
- ☐ Optical Specification
- ☒ Firmware Specification
- ☐ Accessories Specification
- ☐ DISC (Discontinued)
- ☐

Affected products

All variants of the following Manta models:
Manta G-282B/C, G-283B/C, G-505B/C, G-609B/C, G-917B/C

Reason for change

Parts obsolescence. An electronic component of the above mentioned models has gone end of life. The part replacement requires an adoption of the firmware to maintain operation. Therefore, a new firmware will be released.
Cameras with the new hardware are not backwards compatible with older firmware, than 01.54.14865. Cameras with old hardware are fully compatible with new firmware versions. We recommend to update all compatible cameras with the updated firmware version.
New shipped cameras will be updated to the new firmware and hardware.

Change description

All above mentioned models receive a new firmware version. The new version 01.54.14865 includes the following bugfixes and feature updates:

Adjusted the following parameter(s):
  - /Controls/Exposure; ExposureAuto; RW; Off(1) Once(3) Continuous(2)
  - /Controls/Exposure; ExposureMode; RW; Timed(0) TriggerWidth(1)

- PTP rework:
  - PtpStatus enumerations updated to IEEE1588-2008 standard: Initializing(0) Faulty(1) Disabled(2) Listening(3) PreMaster(4) Master(5) Passive(6) Uncalibrated(7) Slave(8).
  - GevTimestampValue is no longer reset by turning off PTP.
  - Acquisition is no longer stopped when changing PtpMode.
  - PtpAcquisitionGateTime now reset to zero when PtpMode is set to Off.
  - EventPtpSyncLost now sent when PtpMode changed.
  - PtpMode is no longer set to Off when PTP synchronization is lost.
  - PtpMode 'Auto' now correctly finds best Master clock.
  - PTP synchronization drift lessened.

The new firmware will be used from 2015-November-3 on.
First serial number with the updated component: *503363084*. Production date: *2015-November-09.*

Customer action request

All new delivered cameras will automatically receive the update during the production process.
We recommend to update cameras on customer side to benefit from the bug fixes and the new feature.

The firmware loader is available on www.alliedvision.com/en/support/firmware.html. Please contact our Technical Support for details.