

Affected products Prosilica GC
PCN title Prosilica GC hardware update
PCN Number AVTPR-112 **PCN issue date** 2016-June-30
Contact <https://www.alliedvision.com/en/meta-header/contact-us.html>

Type of change

- | | |
|---------------------------------------------------|------------------------------------------------------|
| <input type="checkbox"/> Regulatory / Compliance | <input type="checkbox"/> Firmware Specification |
| <input type="checkbox"/> Mechanical Specification | <input type="checkbox"/> Accessories Specification |
| <input type="checkbox"/> Electrical Specification | <input checked="" type="checkbox"/> Discontinued |
| <input type="checkbox"/> Optical Specification | <input checked="" type="checkbox"/> Component Change |

Affected model(s) / part number(s)

The base models and part numbers:

Prosilica GC660 mono model (02-2180A)
Prosilica GC660C color model (02-2181A)
Prosilica GC1290 mono model (02-2185A)
Prosilica GC1290C color model (02-2186A)
Prosilica GC1380H mono model (02-2142A)
Prosilica GC1380CH color model (02-2143A)
Prosilica GC1600H mono model (02-2152A)
Prosilica GC1600CH color model (02-2153A)
Prosilica GC2450 mono model (02-2170A)
Prosilica GC2450C color model (02-2171A)

In addition, all other modular options that have been derived from Allied Vision's modular concept for Prosilica GC cameras are also affected with this change.

Reason for change

Due to the maturity of some components in the Prosilica GC family, Allied Vision decided to replace a select number of models from this family. The new models offer improved performance and additional features compared to the existing Prosilica GC models.

Change description

The above mentioned part numbers change over to the status "End of Life" (EOL). Please see the schedule below. Allied Vision offers a successor to these Prosilica GC models that have reached EOL. The Prosilica GC hardware revision D (Prosilica GC-D) is an improvement to the previous version with a more powerful FPGA. A quick summary of the changes is below:

New features

The following are added features in the Prosilica GC-D cameras compared to the previous GC version:

- Gamma
- Look up table
- Color Transformation Control (color models only)
- Hue (color models only)

- Saturation (color models only)
- Main board temperature readout
- New event – ExposureStart, with ID 40019

Feature functionality changes

- PTP has been updated
 - *PtpStatus* enumerations updated to IEEE 1588-2008 standard
 - *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 synchronizaiton drift lessened
 - The PTP status indication has been changed. On the previous GC cameras 'PtpStatus: Off' is displayed; for the new cameras 'PtpStatus: Disabled' is displayed.
- Due to the increased memory the new cameras have an extended StreamHoldCapacity. The changes are as follows:

Camera model	Hardware revision A	Hardware revision D
GC660, GC660C	46	194
GC1290, GC1290C	12	52
GC1380H, GC1380CH	11	46
GC1600H, GC1600CH	7	33
GC2450, GC2450C	3	12

- The previous Prosilica GC hardware revision models support 5 user sets, the new cameras support 3 user sets.
- Pixel format name change
 - BayerGR12Packed renamed to BayerRG12Packed to be SFNC compatible

End of life schedule

Affected models:

All Prosilica GC cameras listed above and their modular options.

Schedule

	Start	End	Remarks
Last time buy period	2016-Jun-30	2016-Dec-31	
Last time shipment period	2017-Jan-01	2017-Jun-30	
Last warranty period	2017-Jul-01	2020-Jun-30	Shipping only updated hardware
Last time repair service period	2020-Jul-01	2022-Jun-30	No further orders

Customer action request

Please place your orders until last time buy date of the replaced products. Refer to the table below for successor cameras. Please contact our sales team for specific supply agreements. Orders for cameras in EOL status are confirmed and processed, depending on component availability. Apart from this, apply our [terms and conditions](#).

Replacement products

The camera part number for the affected Prosilica GC cameras do not change except the hardware revision changes from “A” to “D”.

Please find in the following table the successors to the Prosilica GC cameras that are affected by this hardware update:

Camera Model	Camera Part Number*
Prosilica GC660	02-2180D
Prosilica GC660C	02-2181D
Prosilica GC1290	02-2185D
Prosilica GC1290C	02-2186D
Prosilica GC1380H	02-2142D
Prosilica GC1380CH	02-2143D
Prosilica GC1600H	02-2152D
Prosilica GC1600CH	02-2153D
Prosilica GC2450	02-2170D
Prosilica GC2450C	02-2171D

The information provided in this PCN notification is subject to change without notice.

Support:
support@alliedvision.com

General inquiries:
info@alliedvision.com