Allied Vision

Product / Process Change Notification (PCN)

PCN Title	Prosilica Large Format IR cut filter change		
Affected Products	Selected Prosilica Large Format models		
PCN Number	PCRREVB-638	**PCN Issue date**	2018-September-17
Contact	Inside Sales Team		

Change Type

- ☐ Regulatory / Compliance
- ☐ Mechanical Specification
- ☐ Electrical Specification
- ☒ Optical Specification
- ☐ Firmware Specification
- ☐ Accessories Specification
- ☐ Discontinued
- ☒ Component Change

Affected Products

All **Prosilica GT Large Format** color models:
02-2675D, 06-2675D – Camera Prosilica GT1930LC color
02-2635D, 06-2635D – Camera Prosilica GT4905C color
02-2637D, 06-2637D – Camera Prosilica GT4907C color
02-2631D, 06-2631D – Camera Prosilica GT6600C color

And **Prosilica GX6600C**:
02-2415B – Camera Prosilica GX6600C color

In addition, all Modular Concept options and customized camera designs (item ID 05-xxxxx) derived from the above base models are affected by the filter change.

Change Description

The transmission characteristics of the new *Jenofilt217 / IRC30 Type* IR-cut filter has changed. Even if it is still within the below listed specification, the transmission characteristics of old and new filter are not fully identical. Therefore, depending on the application customers may notice some differences regarding the color reproduction, especially when using cameras with old and new filter in parallel or in case very specific spectral color reproduction is required.

The type of lighting used in an application may also affect the color response visible in the image. For example, under fluorescent daylight illumination the filters behave very similar. Under incandescent halogen illumination a difference is more noticeable. However, in most cases differences should be fixed with a new whitebalance and exposure setting.

Overall it can be said that the general transmission characteristics of the new *Jenofilt217 / IRC30 Type* IR-cut filter (see Figure 1) is still within the following specification that was also valid for the predecessor version:

- Average transmission 420-620nm is >90%
- Minimum transmission 420-620nm is >85%
- Average transmission 700-1000nm is < 5%
- IR-cut off wavelength (=50% transmission) at 650nm +/-10nm

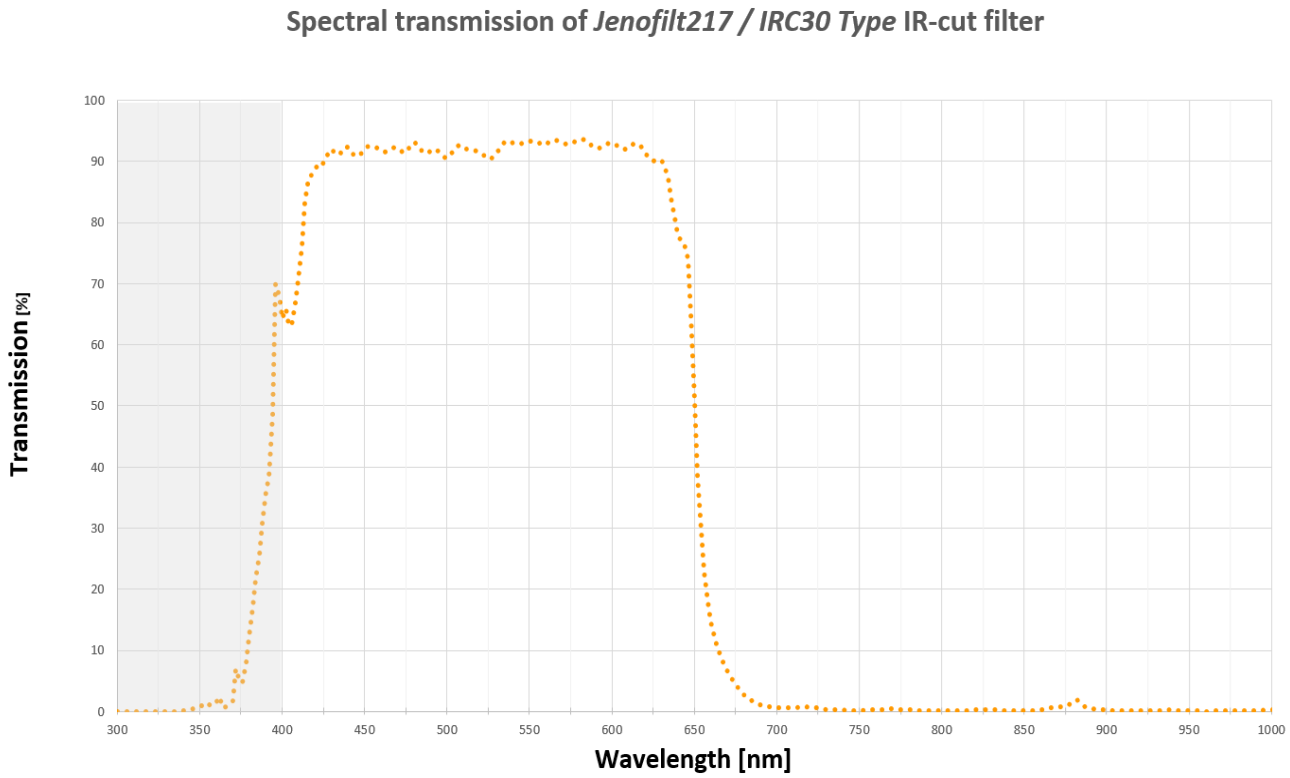

Figure 1 - Transmission curve of *Jenofilt217 / IRC30 Type* IR-cut filter

Reason for Change

The availability of the *Jenofilt217 / IRC30 Type* IR-cut filter 47mm was stopped with immediate effect by our supplier, preventing a last-time-buy. Consequently, all related cameras are shipped with new filters from September 17th, 2018.

Possible successor

There are no discontinuations of any camera models, and the same order codes can be used to order cameras with the new IR cut filter.

The information provided in this PCN notification are subject to change without notice.
For the latest version of this document, please visit the Allied Vision website.

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