

Document availability: **Public**

## Product improvement - New Revision for USB 3 uEye CP cameras with PYTHON 2000 and PYTHON 5000 CMOS sensors.

<b>Affected Product:</b>	UI-3160 CP Rev.2 with On Semiconductor Python 2000 (M/C) and UI-3180 CP Rev.2 with On Semiconductor Python 5000 (M/C) <i>See item numbers below.</i>
<b>Type of Product Change:</b>	<input type="checkbox"/> Electrical Specification <input type="checkbox"/> Mechanical Specification <input type="checkbox"/> Optical Specification <input checked="" type="checkbox"/> Firmware Specification <input type="checkbox"/> Regulatory or Compliance <input checked="" type="checkbox"/> Change of Part Number <input type="checkbox"/> Discontinued Product or Part
<b>Document Version:</b>	1.1
<b>Release date:</b>	February 7, 2018



### Affected Part Numbers

Existing Model Item Number	Match Code (Sensor part number)	Successor Model Item Number	Match Code Succeeding Model (Sensor part number)
AB00688	UI-3160CP-C-HQ Rev.2 (NOIP1SE2000A-QTI Color)	<b>AB02543</b>	UI-3160CP-C-HQ Rev.2.1 (NOIP1SE2000A-LTI Color)
AB00687	UI-3160CP-M-GL Rev.2 (NOIP1SE2000A-QTI Mono)	<b>AB02544</b>	UI-3160CP-M-GL Rev.2.1 (NOIP1SN2000A-LTI Mono)
AB00686	UI-3180CP-C-HQ Rev.2 (NOIP1SE5000A-QTI Color)	<b>AB02545</b>	UI-3180CP-C-HQ Rev.2.1 (NOIP1SE5000A-LTI Color)
AB00685	UI-3180CP-M-GL Rev.2 (NOIP1SN5000A-QTI Mono)	<b>AB02546</b>	UI-3180CP-M-GL Rev.2.1 (NOIP1SN5000A-LTI Mono)

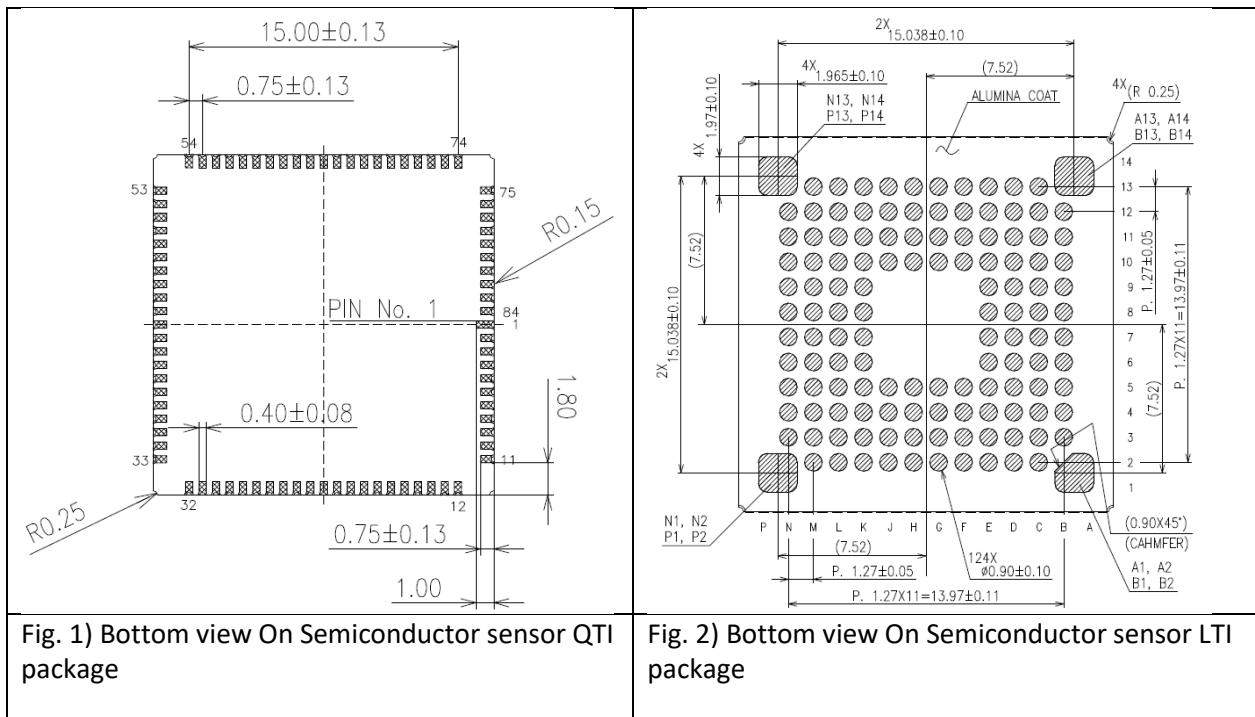
## Summary of product changes

In the course of continuous improvement of our cameras' performance, we decided to change to a different variant of On Semiconductor's PYTHON 2000 and PYTHON 5000 CMOS sensors used in our UI-3160CP and UI-3180CP cameras. Electrical and optical properties as well as the general performance of the sensors remain unchanged. The revised camera models require a new firmware version.

## Detailed background information

IDS has been shipping cameras of the USB 3 uEye CP series with On Semiconductor's PYTHON 2000/5000 CMOS sensors since early 2016. Initially, we used the sensor variant in the QTI-package (see Figure 1 below) which carries the soldering pads around the perimeter of the sensor package.

Later in 2016, On Semiconductor introduced the LTI-package variant (see Figure 2 below) and continues to offer both versions alongside as of the date of this publication. The LTI-variant offers a different arrangement of soldering pads, combined with additional pads for enhanced mechanical and thermal stability. In 2017, IDS decided to switch to the newer LTI-variant to improve the overall mechanical design of the sensor PCB. The functional and optical characteristics of the camera remain unchanged with the new sensor variant.



## Recommended action for customers

All new orders are swapped automatically to models incorporating the new sensor variants. Please note that the new camera models require the installation of the **IDS Software Suite, version 4.90.3** or higher. As of this version, IDS Software Suite supports both Revision 2 and Revision 2.1 of each camera model.

Click on the [link to download the IDS Software Suite](#), or visit [www.ids-imaging.com](http://www.ids-imaging.com) and navigate the menu: Support/Downloads/uEye Industrial Cameras – Driver and Software.

## Date of change

This product change will be effective November 14, 2017.

Updated February 7, 2018 to include detailed background information.