



Product Change Notification (PCN)

PCN number: PCN161111 – uCAM-III

Date: January 2017

Affected PN: uCAM-II

Notification subject: uCAM Hardware Revision change from REV 2.0 to Rev 3.1

New part number: uCAM-II → uCAM-III

Notification text:

4D Systems has revised the uCAM Serial Camera Module with design improvements and still maintaining its backward compatibility. Notable changes include additional hardware reset to easily restart and to re-sync the uCAM to the host if any unwanted problem occurs, additional pull up resistor for logic signal stability, additional memory to handle more complex images, and new sets of commands to handle advanced image features and sleep timeouts.

Notification Status: In progress

Description of Change:

- Addition of Hardware Reset on 5-way header pin.
- Addition of 128KB of RAM on the camera to allow uCAM to handle more complex images rather than degrade picture quality.
- Addition of new commands: exposure, contrast and brightness control, adjustable sleep timeouts.
- Pullup Resistor on RX pin to prevent floating pin being mistaken as data.

Impacts to Data Sheet: Updated '4D uCAM-III Demo' software and Command Set table. See new datasheet.

Reason for Change:

Upgrade the uCAM and keeping it up-to-date by providing additional features in terms of image control and having additional RAM to give flexibility in handling complex images.

Change Implementation Status: Completed

First Ship Date: January 2017

Markings to Distinguish Revised from Unrevised Devices:

- Please review next page for images of the current and new hardware revisions.

Please contact your local 4D Systems sales office with questions or concerns regarding this notification.

