Product Change Notification

Title:	**Harrier USB/HDMI Camera Interface Board DIP Switch Functionality and USB Power Supply Control.**
Our reference:	PCN-AP23-0045-0101
Date:	1 June 2026
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Product(s) affected:	Active Silicon products affected by this change: Camera Interface Board: AS-CIB-USBHDMI-002-A Camera/interface board assemblies: AS-CIB-USBHDMI-002-3010-A AS-CIB-USBHDMI-002-9520L-A AS-CIB-USBHDMI-002-9500L-A AS-CIB-USBHDMI-002-10LHD-A AS-CIB-USBHDMI-002-10LGHD-A AS-CIB-USBHDMI-002-36LGHD-A AS-CIB-USBHDMI-002-40LHD-A AS-CIB-USBHDMI-002-55LHD-A
Description of change:	The PCB has been revised from issue 01 to issue 02 and now requires firmware versions 3.0.0 (or upwards). Firmware v.3.0.0 (and above) is not backwards compatible and introduces changes to DIP switch functionality. In earlier firmware versions, DIP switch SW1 switches 1-4 were used to set the camera's initial video mode on power up. In firmware v.3.0.0 and above, this functionality has changed. From firmware v.3.0.0 (and upwards), DIP switch SW1 switches 1-3 are used to configure the interface board for compatibility with different camera models. To ensure correct operation, set switches 1-3 according to the table below:

SW1-3	SW1-2	SW1-1	Type	Compatible Camera(s)
OFF	OFF	OFF	0	Tamron MP3010
OFF	OFF	ON	1	Sony EV-9520L, EV-9500L
OFF	ON	OFF	2	10LHD
OFF	ON	ON	3	10LGHD, 30LGHD, 36LGHD, 40LHD, 55LHD
ON	OFF	OFF	4	Reserved

<table>
<tr><td></td><td>
When DIP switch SW1 switch 4 is set ON, the camera will change mode to 1080p30 on power up (the camera type must be set correctly).

Note: cameras not listed in the table above may use different VISCA command parameter values for specific video modes. As a result, switch 4 may configure these cameras to a different video mode.

SW1 switches 5-7 retain their previous functionality.

SW1 switch 8 now regulates the USB power supply:

<table>
<tr><th>SW1-8</th><th>Function</th></tr>
<tr><td>OFF</td><td>The board can be powered from the USB socket
(as with the issue 01 boards)</td></tr>
<tr><td>ON</td><td>The board cannot be powered from the USB socket and
can only be powered through the J3 header socket.</td></tr>
</table>

In previous versions of firmware, the camera would default to its highest available resolution on start-up. With firmware v.3.0.0 upwards, all cameras will default to 1080p30 on start-up.
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<tr><td>Effect that change has on operation:</td><td>
Under normal operation, there is no change to the fit, form or function of the board, other than: previously, on power up, SW1 switches 1-4 settings could force the camera to change to a particular video mode; with the new firmware the camera mode can only be forced to 1080p30. Also, with the new firmware, all cameras default to 1080p30 on UVC camera reset/start up; with older versions of the firmware the default video mode was camera specific.

To deliver a correct video stream, SW1 switches 1-3 must be configured to match the connected camera. If these switches are not set correctly, the colours in the video may be incorrect and some video modes may not be available.
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<tr><td>How to identify original and changed product:</td><td>
The board indicates the firmware version by flashing the (yellow) LED at power up, e.g. to indicate firmware v.2.3.0, the LED will flash twice, pause and then flash three times.

The firmware version can also be queried by sending a camera interface board VISCA firmware version inquiry command (82,09,0A,00,FF) to the enabled serial interface.

Issue 01 boards only support firmware version before v.3.0.0.
Issue 02 boards only support firmware v.3.0.0 upwards.

The label on the camera interface board indicates the board issue, a typical example is shown below:

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<tr><td>Date that changed product will be shipped:</td><td>Active Silicon expect the first production boards to ship in June 2026.</td></tr>
<tr><td>Notes:</td><td>Issues 01 boards are not compatible with v.3.0.0 (and upwards) firmware.</td></tr>
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