Opticstar DS-335C / ICE Support for AstroArt

In order to add support to AstroArt v3/v4 for the DS-335C ICE you will need to copy two DLL files into the folder where AstroArt has been installed on the hard disk. For example: **C:\Program Files\Astroart**. The two files are:

1. D_DS335C_ICE.DLL
2. CCDVideoAPI.DLL

To add support for the non-cooled DS-335C please copy the following two files into the Astroart folder:

1. D_DS335C.DLL
2. CCDVideoAPI.DLL

There is support for 5 binning modes. These modes have been included in order to maximize the performance of the camera in specific areas including: resolution, colour/monochrome, sensitivity and focusing. Please refer to the table below.

Mode	Binning	Mono	Colour	Resolution	FPS***	Sensitivity
1x1 HW cl/bw	software	yes	yes**	2048x1536	1	x1
2x2 HW bw	hardware*	yes	n.a.	1024x768	2	x4
2x2 SW cl/bw	software	yes	yes**	1024x768	1	x4+
4x4 HW bw****	hardware*	yes	n.a.	512x384	2	X16
4x4 SW cl/bw	software	yes	yes**	512x384	1	X16+

* Hardware assisted.
** Astroart supported.
*** 16-bit RAW uncompressed image transfer rate (focus and capture mode).
**** Preferred focusing mode.

For focusing, the **4x4 HW bw** mode is ideal because it combines the highest frame rates with the highest light sensitivity.

The hardware assisted binning modes **2x2 HW bw** and **4x4 HW bw** vary in the way that they produce colour data to the equivalent software binning modes (**2x2 SW cl/bw** and **4x4 SW cl/bw).** Generally, the latter produce more natural colours and are marked as **cl/bw**. The former are ideal for black and white images, and are marked as **bw** only. Please refer to the AstroArt manual on how to convert raw data to colour.

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