



QHY5III585M/C

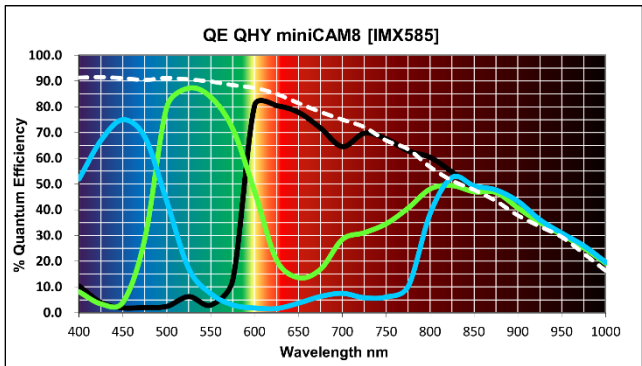
8.4 Megapixels
90% Peak QE
Ver. 2 Features

New Mono Model



- NEW! NOW INCLUDES MONO MODEL
- 90% Peak QE
- 512MB DDR3 Image Memory
- CS and C-mount Included
- USB 3.2 Type C Interface
- Universal ST-4 guiding port
- Status indicator LED

The QHY5III585M/C is one of QHY's new QHY5III V2 series planetary and guiding cameras and **now comes in both mono and color versions**. It is an enhanced version of QHY5III485C. It has a high sensitivity in the near-infrared and approximately 1.8 times



greater dynamic range than the 485. It has a large 1/1.2-inch sensor with zero amp glow. The new QHY5III585M/C also has a larger full well capacity of over 50ke-, more than three times that of the previous generation QHY5III485C. The QHY5III585M/C comes with both an IR blocking filter and IR850 filter.



QHY5III585C IMAGE OF JUPITER BY CHRIS GO

TYPICAL SPECIFICATIONS	
Model	QHY5III585M/C
Image Sensor	Sony IMX585 Back-Illuminated CMOS
Mono / Color	Color and Mono (New)
Pixel Size	2.9 um x 2.9 um
Effective Pixels	3856 x 2180 (8.4 Megapixels)
Sensor Diagonal Size	12.8 mm
Effective Image Area	11.2 mm x 6.3 mm
Optical Format	Typical 1/1.2-inch
A/D	12-bit (output as 16-bits and 8-bits)
Full Frame Rates	41.5 FPS @ 8-bits / 23.5 FPS @ 16-bits
Read Noise	0.77 e- - 1.15e- HGC, 3.87 e- - 8.04 e- LGC
Full Well Capacity	52 ke-
Shutter Type	Electronic Rolling Shutter
Computer Interface	USB 3.2 Gen-1 Type C
Guiding Port	ST-4 Style
Back Focus	17 mm (with adapter) 8 ± 0.5 mm (without adapter)
Telescope Interface	1.25-inch with CS and C-mount
Optical Window	IR-Cut filter and an IR850nm filter included
Power Requirements	USB (No separate power required)
US List Price	\$349 for Mono or Color

Prices & Specifications subject to change without notice. Please visit www.QHYCCD.com for current information.
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