

QHYCCD Announces Shipment of Two New 35mm Format Color Cameras for Deep Space and Planetary Imaging.

Beijing, October 23, 2017 – Light Speed Vision (Beijing) Co., Ltd., (QHYCCD), a leading company in the field of scientific imaging products for astronomy today announced the availability of its latest two products, the 24 megapixel QHY-128C camera and the 36 Megapixel QHY-367C camera. List price for the QHY-128C is US\$3499 and the QHY-367C is US\$4399.

These innovative low noise, high dynamic range cameras are aimed at mid-level to advanced amateur astronomers. Unlike other cameras using the same or similar CMOS sensors, the QHY-128C and QHY-367C employ a unique technology to reduce thermal noise without affecting the integrity of the raw image. Amplifier glow is also eliminated, even on long duration exposures common for deep sky imaging. Two-stage TE cooling is standard and the cameras can cool to -35C from ambient with regulation. Exposure times can be as short as 60 microseconds or as long as 1 hour. Frame rates start at 3 – 5 frames per second for a full frame high resolution image. Partial frame rates up to 30 FPS are available for planetary imaging.

The Sony Exmor sensors used in these cameras are known for their exceptionally low read noise and dark current. Read noise of 1-3 electrons RMS are achieved with the cameras' adjustable gain. The same sensor used in the QHY-128C camera can also be found in popular high end consumer products such as the Nikon D600, 610 and 750 cameras, and the Sony DSC-RX1 camera. In the QHY implementation, the design is optimized for astro-imaging. Features include:

- Ultra Low Read Noise and Dark Current (< 4e- read noise)
- High Dynamic Range (More than 1:17000, > 14 stops)
- Zero Amplifier Glow
- Unique Thermal Noise Reduction Technology
- 128MB DDRII Image Buffer
- True RAW Image Output
- Anti-Dew Technology
- AR+AR Coated Optical Window
- Anti-reflection Black Case for F2 Imaging Systems
- High Precision Axis Calibration (no need for tilt corrections)

The QHY-128C and QHY-367C are now available from QHY dealers worldwide.

For more information, please go to <http://www.qhyccd.com/QHY128.html>

QHY-128C and QHY-367C cameras include the following: Camera with USB 3.0 cable, self-locking power cable, car power adapter, desiccant and drying tube, angle adjustment adapter ring, and M54 to 2" spacer ring. An AC power supply is optional.

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