ToupTek G3M715C Planetary Cameras User Manual

Contents

G3M715C Planetary Cameras

ToupTek

G3M715C User Manual
Version 1.1
Sept 2023
ATR3CMOS09000KPA Manual

Description and Features

The G3M715C camera possesses an exceptionally strong capability to capture infrared light (with a high QE value at 850nm). It also has a large full well capacity, high dynamic range, high sensitivity, and low readout noise among other advantages. This results in outstanding performance in planetary photography, as well as in solar and lunar photography.

The features of G3M715C are listed below:

- IMX 715 color CMOS Sensor
- Resolution: 3840 x 2160
- 1.45 um Square Pixels
- 1/1.8-inch Optical Format
- 12-bit ADC
- 512 Mbyte Memory
- G Sensitivity: 2375mv with 1/30s
- Low Noise: 0.57 to 1.35e-
- Support High Frame Rate Mode (47 FPS at all Pixel Readout 8 bit)
- SNR Max: 37.7 dB
- Dynamic Range: 72.8 dB

G3M715C Specifications and Performance

2.1 Camera Specifications

Table 1 G3M715C Technique Specifications.

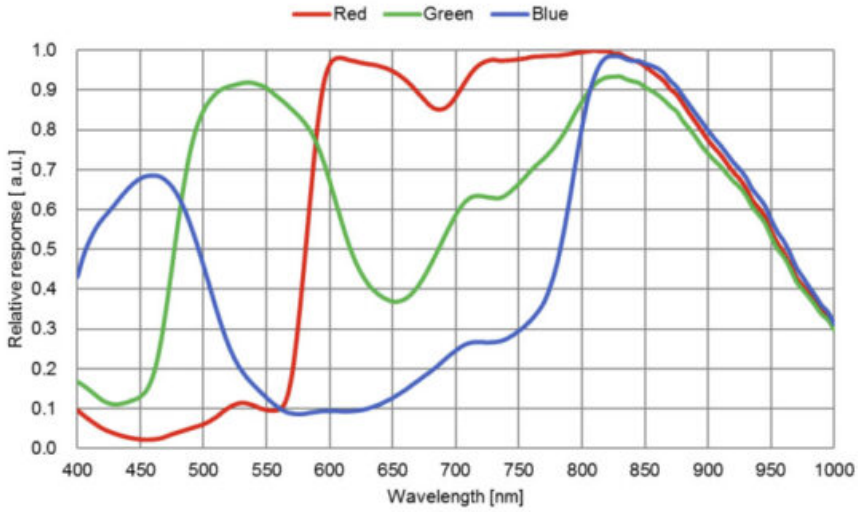

Figure 1 IMX715 Spectral Sensitivity Characteristic

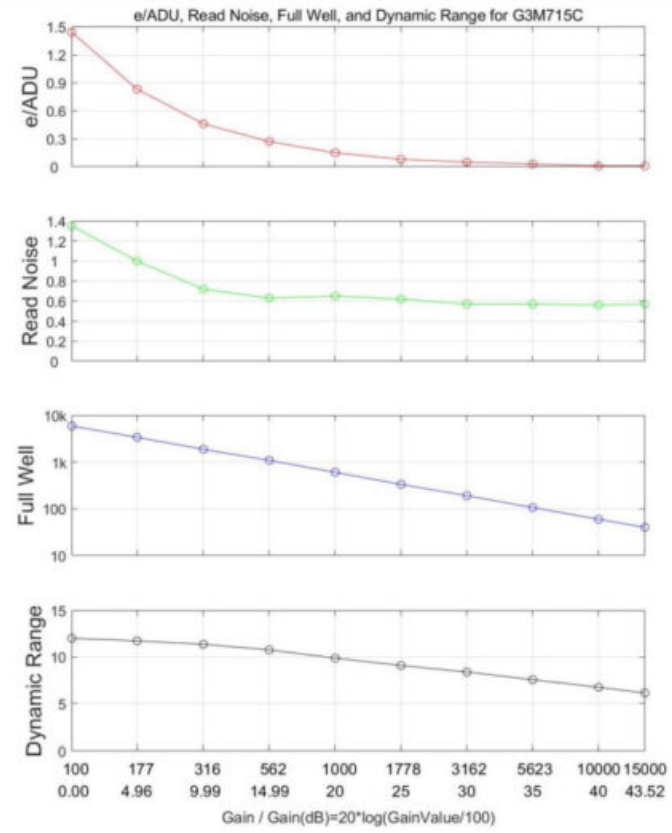

Figure 2 e/ADU, Read Noise, Full Well and Dynamic Range for G3M715C

Figure 3 Packing Information of G3M715C

Figure 4 Dimension and Mount of G3M715C and 1.25" extender

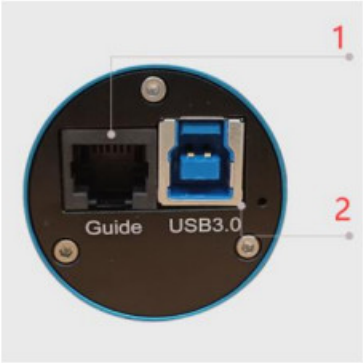

Figure 5 Camera Outline and Interface.

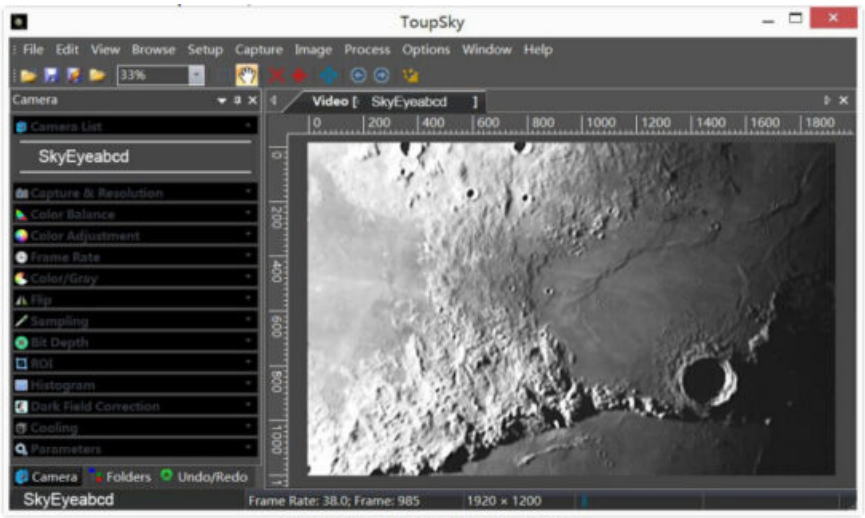

Figure 6 ToupSky and Its Video Window

Figure 7 ToupSky and Its Browse Window

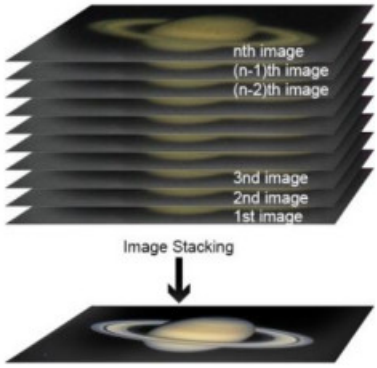

Figure 8 Image Stacking

Documents / Resources

	ToupTek G3M715C Planetary Cameras [pdf] User Manual ATR3CMOS09000KPA, G3M715C Planetary Cameras, G3M715C, Planetary Cameras, Camer as

References

- Download Center
- ___|___|___|_____
- ToupTek | ToupTek Photonics | Microscope camera | industrial camera | HDMI camera
- Apache2 Ubuntu Default Page: It works
- ASCOM - Standards for Astronomy
- astrogeeks.com/Bliss/MetaGuide/
- ToupTek | ToupTek Photonics | Microscope camera | industrial camera | HDMI camera
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