

1.4 GS3-U3-28S4 Specifications

	GS3-U3-28S4M-C	GS3-U3-28S4C-C
Firmware	2.23.3.0	2.23.3.0
Resolution	1928 x 1448	1928 x 1448
Frame Rate	26 FPS	26 FPS
Megapixels	2.8 MP	2.8 MP
Chroma	Mono	Color
Sensor	Sony ICX687, CCD, 1/1.8"	Sony ICX687, CCD, 1/1.8"
Readout Method	Global shutter	Global shutter
Pixel Size	3.69 μm	3.69 μm
Lens Mount	C-mount	C-mount
ADC	14-bit	14-bit
Gain Range	-3.449 dB to 24 dB, increment 0.035 dB	-3.449 dB to 24 dB, increment 0.035 dB
Exposure Range	0.04 ms to 4 seconds (Extended exposure to 32 seconds in Mode 7)	0.04 ms to 4 seconds (Extended exposure to 32 seconds in Mode 7)
Trigger Modes	Standard, bulb, low smear, overlapped, multi-shot	Standard, bulb, low smear, overlapped, multi-shot
Partial Image Modes	Pixel binning, ROI	Pixel binning, ROI
Image Processing	Gamma, lookup table, and sharpness	Gamma, lookup table, hue, saturation, and sharpness
HDR Sequencing	4 x exposure, 4 x gain	4 x exposure, 4 x gain
Image Buffer	128 MB	128 MB
User Sets	2 memory channels for custom camera settings	2 memory channels for custom camera settings
Flash Memory	2 MB non-volatile memory	2 MB non-volatile memory
Opto-isolated I/O Ports	1 input, 1 output	1 input, 1 output
Non-isolated I/O	2 bi-directional	2 bi-directional
Serial Port	1 (over non-isolated I/O)	1 (over non-isolated I/O)
Auxiliary Output	3.3 V, 150 mA maximum	3.3 V, 150 mA maximum
Interface	USB 3.0	USB 3.0
Power Requirements	5 V via USB 3.0 or 8-24 V via GPIO (external power is recommended for this model)	5 V via USB 3.0 or 8-24 V via GPIO (external power is recommended for this model)
Power Consumption	4.5 W maximum	4.5 W maximum
Dimensions/Mass	44 mm x 29 mm x 58 mm/90 g	44 mm x 29 mm x 58 mm/90 g
Machine Vision Standard	USB3 Vision v1.0	USB3 Vision v1.0
Compliance	CE, FCC, KCC, RoHS. The ECCN for this product is: EAR099.	CE, FCC, KCC, RoHS. The ECCN for this product is: EAR099.
Temperature	Operating: 0° to 50°C Storage: -30° to 60°C	Operating: 0° to 50°C Storage: -30° to 60°C
Humidity	Operating: 20% to 80% (no condensation) Storage: 20% to 95% (no condensation)	Operating: 20% to 80% (no condensation) Storage: 20% to 95% (no condensation)
Warranty	3 years	3 years