



3.3.4.1 190-1100nm Cameras

3.3.4.1.1 USB Silicon CMOS Camera

SP932U high resolution

Features

- Specially optimized for NIR and Nd:YAG regions via "Blooming Correction" algorithm
- 1/1.8" format CMOS global shutter imager
- Interface: USB3
- High Resolution 3.45µm pixel size
- 72dB true dynamic resolution, high bitrate
- No Smearing



Model	SP932U	
Format	1/1.8"	
Vavelengths (1)	190-1100nm	
Active area	7.06mm x 5.3mm	
Beam sizes	34.5µm - 5.3mm	
Pixel spacing	3.45µm x 3.45µm	
Number of effective pixels	2048 x 1536	
Dynamic range	72 dB	
inearity with power	<1%	
Accuracy of beam width	±2%	
rame rates in 12 bit mode (2)	24 fps at full resolution	
Exposure	25µs to 2000ms	
Gain control	1.46 dB to 256 dB	
rigger	Hardware/Software Trigger & Strobe Out	
Photodiode trigger (Optional) (3)	Si response: SP90408	
Saturation intensity (4)	32µW/cm ² at 633nm, 500µW/cm ² at 1064nm	
owest measurable signal (4)	0.2nW/cm ²	
Damage threshold (5)	50W/cm ² / 1J/cm ² for < 100ns pulse width	
Ambient operating temperature	0 - 50° C	
Dimensions	45 mm x 45 mm x 22.5 mm	
mager recess	4.5±0.11mm	
mage quality at 1064nm	Pulsed with trigger sync - excellent Pulsed with video trigger - good CW - excellent	
Dperation mode	CMOS, Global shutter	
°C interface	USB 3.0	
DS supported	Windows 10 (64), BeamGage 6.17 required	
Compliance	CE, UKCA, China RoHS	
Ordering Information		
Supported software	Item	P/N
BeamGage Professional	BGP-USB3-SP932U	SP90607 ⁽⁶⁾
BeamGage Standard	BGS-USB3-SP932U	SP90606 (6)

(a) The transfer to the transfer of t



