3.3.4.2.1 Phosphor Coated CMOS And CCD Cameras For NIR Response

Features

- 1440-1605nm Wavelengths •
- NIR Telecom mode field analysis •
- NIR Laser beam analysis ٠

Available Models

- USB models: SP203P
- Large Format: LT665-1550 •

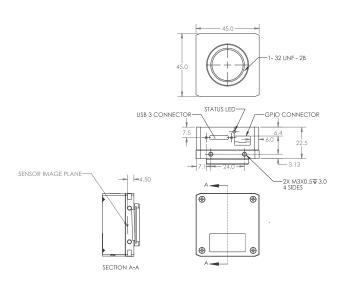


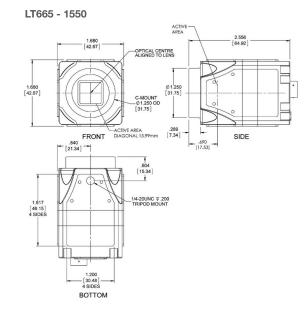
Model	SP203P		LT665-1550	
Application	SWIR wavelengths, 1/1.8" format		NIR wavelengths, 1" format	
Wavelengths	1440 - 1605nm		1440 - 1605nm	
Active area	7.06mm x 5.3mm		12.5mm x 10mm	
Beam sizes (1)	600μm - 5.3mm		600μm - 9.9mm	
Pixel spacing (2)	3.45µm x 3.45µm		4.54μm x 4.54μm	
Number of effective pixels	2048 x 1536		2752 x 2192	
Dynamic range (3)	~32 dB		~30 dB	
Linearity with power	±5%		±5%	
Accuracy of beam width	±5%		±5%	
Frame rates in 12 bit mode (4)	24 fps at full resolution		27 fps at full resolution	
Exposure	25µs - 400ms		31µs to multiple frames	
Gain control	1.4 dB to 256 dB		0.8 dB to 56 dB	
Trigger	Supports both trigger and strobe out		Supports both trigger and strobe out	
Photodiode trigger (Optional) (5)	InGaAs response: SP90409		InGaAs response: SP90409	
Saturation intensity	200mW/cm ² at 1550nm For exposure time of 1 ms			
Lowest measurable signal	0.5µW/cm ² at 1550nm For exposure time of 400 ms			
Damage threshold	50W/cm ² / 1J/cm ² with all filters installed for < 100ns pulse width ⁽⁶⁾			
Ambient operating temperature	10°C to 40°C		0 - 50° C. Recommended to connect to heat sink	
Dimensions	45mm x 45mm x 22.5mm		43mm x 43mm x 65mm	
Imager recess	4.5mm ±0.11mm		17.5mm	
Operation mode	CMOS, Global Shutter		Quad Tap interline transfer CCD	
PC interface	USB 3.0		USB 3.0	
OS supported	Windows 10 (64) and Windows 11			
Compliance	CE, UKCA, China RoHS			
Ordering Information				
Supported software	Item	P/N	Item	P/N
BeamGage Professional (7)	BGP-USB3-SP203P	SP90637	BGP-USB3-LT665-1550	SP90385 ⁽⁸⁾
BeamGage Standard (7)	BGS-USB3-SP203P	SP90636	BGS-USB3-LT665-1550	SP90384 ⁽⁸⁾

age Standard (*)
BGS-USB3-SP203P
SP90364
BGS-USB3-LT665-1550
SP90384
SP90384<

SP203P

Notes:





Beam Analysis

For latest updates, please visit our website: www.ophiropt.com