

6. STC-SB33POEHS/SC33POEHS

Model Number		STC-SB33POEHS	STC-SC33POEHS
Imager		1/3" Interline VGA monochrome progressive CCD: ICX424AL	1/3" interline VGA color progressive CCD: ICX424AQ
Total Picture Elements		692 (H) x 504 (V)	
Active Picture Elements		VGA: 648 (H) x 494 (V)	
Cell Size		7.4 (H) x 7.4 (V) μ m	
Scanning System		Progressive	
Vertical Frequency (Frame Rate)		122.27770 Hz at full resolution 0.97957 to 486.33176 Hz adjustable via the communication (Frame rate depends on the AOI setting) Maximum frame rate (486.33176 Hz) is when vertical resolution AOI setting is 80.	
Horizontal Frequency		64.19536KHz	
Pixel Frequency		50.0727MHz	
Noise Level	@ 8bit output	\leq 3 Digit (Gain 0 dB)	
	@ 10bit output	\leq 12 Digit (Gain 0 dB)	
	@ 12bit output	\leq 48 Digit (Gain 0 dB)	
Minimum Scene Illumination		1.464 Lux at F1.2, 122.27770Hz	46.728 Lux at F1.2, 122.27770Hz
Sync. System		Internal	
Video Output Format		Digital 8, 10 or 12 bit Raw Data	Digital 8, 10 or 12 bit Raw data or RGB 8 bit
Interface		PoE : IEEE802.3af CLASS2 (1000BASE-T)	
Protocol		GigE Vision [®] 1.2 and GenICam [™] 2.0 compliant	
Exposure Time		Preset continuous mode: 0,10 useconds to 16,777,215 useconds Preset trigger mode: 0,10 useconds to 16,777,215 useconds Pulse width mode: 0,10 useconds to Unlimited '0':Electric shutter Off(Full exposure)	
ALC		AE and AGC (ON/OFF)	
Gain		0 to 18.309 dB	
Gamma		Gamma 1.0 (Factory default) or uploadable gamma table	
AOI Function		Variable AOI setting via the communication	
Smear Reduction		Selectable ON/OFF via the communication	
Color Interpolation		N/A	Available on RGB Output
White Balance		N/A	Auto, Manual, Push to Set White Balance are available on both raw data and RGB outputs
Operational Mode		Edge preset trigger, Pulse width trigger (unlimited long exposure) *Note1	
Communication		UART communication through Ethernet port	
I/O		One opt-isolated input and two open collector outputs	
Power	Input Voltage	+10.8 to +26.4 Vdc via power-I/O connector or Power over Ethernet (Power-I/O connector power supply is prioritized.)	
	Consumption (Max/Default)	12V: 3.2W/2.9W, PoE: 3.4W/3.1W	