

STALWART

Graphics Accelerated Microscope Camera STC2D Series



STC2D Series

Introduction

With Innovative customized ISP technology, the STC2D series cameras' frame rate has been greatly improved. The frame rate of uncompressed original imaging is 2MP@30fps, 5MP@22fps, 12MP@15fps. This series digital cameras provide simple and economical microscopy imaging. They are widely used in academic and medical fields for precision and high resolution microscope image capturing and processing.

Specification

Item	STC2D-200C	STC2D-500C	STC2D-1200C
Sensor Model	Sony, IMX323LQN-C	Sony, IMX335LQN-C	Panasonic, Mn34120
Sensor Size	1/2.9"	1/2.8"	1/2.33"
Resolution	2MP, 1920x1080	5MP, 2560x1920	12MP, 4000x3000
Pixel Size	2.8μm×2.8μm	2.0 μm×2.0μm	1.335μm×1.335μm
Frame Rate	30fps	22fps	15fps
Color/Mono	Color		
Shutter Type	Rolling Shutter		
Exposure Mode	Auto/Manual		
Picture Format	TIFF/JPG/PNG/DICOM		
Operating System	Windows 7/8/10 (32 Bit/64 Bit)		
PC Software	Capture 2.0		
SDK	C/C++, C#, Directshow		
Optical Interface	C-Mount		
Data Interface	USB2.0		
Operating	0-60		
Temperature			
Operating Humidity	10%-85%		
Camera Size	68X68X42.5(mm)		
Camera Weight	253g		
Note:	Capture 2.0 software does not support the dark field image processing module, real-time image stitching and real-time depth of field fusion function module when it is used with STC2D cameras.		