

# STALWART

## C-mount CMOS Color Digital Camera STC5H Series



STC5H-Series

## Introduction

STC5H series USB3.0 digital cameras use Sony sensor, the software has real-time image stitching & depth-of-field fusion function, STC5H-500C has global shutter, STC5H-2000C has 1-inch sensor. The STC5H series cameras can be widely used with bright field, dark field, polarizing, fluorescent microscopes and normal microscope image capture and analysis with high frame rate.

## Specification

Item	STC5H-500C	STC5H-600C	STC5H-2000C
Shutter Mode	Global	Rolling	Rolling
Sensor Model	IMX264LQR-C	IMX178LQJ-C	IMX183CQJ-J
Sensor Type	CMOS 2/3" Color	CMOS 1/1.8" Color	CMOS 1" Color
Pixel Size	3.45x3.45(μm)	2.4x2.4(μm)	2.4x2.4(μm)
Resolution	2448(H)x2048(V)	3072(H)x2048(V)	5472(H)x3648(V)
Frame Rate	35fps(2448x2048) 35fps(1224x1024 2x2bin) 88fps(1224x1024)	41fps(3072x2048) 41fps(1536x1024 2x2bin)	15fps(5472x3648) 53fps(2736x1824 2x2bin) 67fps(1824x1216 3x3bin)
Color Temperature	2000-15000K		
Picture Format	JPG/PNG/TIFF		
Interface	Data Interface: USB3.0, Optical Interface: Standard C-Mount		
Multiple Cameras	Supports 4 Cameras Simultaneously in SDK		
PC Software	Capture V2.0		
Operating System	Windows is supported and Linux/Mac is under development		
PC Configuration	CPU: Intel Core i5 or better(Quad or more Core); RAM: 8G or more, OS: Windows 7/8/10 64bit		
Size & Weight	Size: 68x68x46mm Weight: 330g		