

USB Measuring Camera

Product Description:

- High speed USB2.0 digital camera with color CMOS sensor
- Capture and measurement software, with cell count function
- Compatible with Windows 2000, XP, Vista (32-bit and 64-bit) and Windows 7 (32-bit and 64-bit)
- Widely used in high speed image capture, acquisition of biological identification, industrial test and inspection, traffic monitoring, machinery vision and etc.



Product Features:

- Adopts 32-bit and 24-bit image display modes
- Bayer Arithmetic is adopted to improve the color calibration function, and the image color reproduction is increased
- With enhanced Automatic White Balance arithmetic, the color is real and flamboyant. Three levels of AWB Exposure are set up, the users can select the relevant level according to the external light and brightness; Automatic exposure can be realized at the selected AWB level
- Contrast range is 0-32; To get more real and sharp images, the users can adjust the contrast real time at dynamic preview without slowing down the preview speed
- The brightness of the image can be adjusted and operated with AWB based on the actual external light
- Manual exposure value range is 0-5000, with fine adjustment
- Supports standard Windows interfaces, such as Direct Show, vfw, Twain and etc.
- Provides Complete SDK and Demo Source Codes
- High speed USB 2.0; Plug and play without requiring extra power supply
- Compatible with Windows 2000, Windows XP, Windows Vista (32-bit and 64-bit) and Windows 7 (32-bit and 64-bit)
- Supports standard C/CS lens mount
- Which DC205202 and DC209202 supports JPG, BMP, AVI and MP4 formats

Product List of USB Measuring Camera

Model	Name	Description
ST-BUDC-6130M	1.3M CMOS Color Digital Camera	USB 2.0, 1/3" CMOS, Max. resolution 1280×1024. Transmission Rate 15 fps. Metal housing, with capture and measurement software
ST-BUDC-6500M	3.0M CMOS Color Digital Camera	USB 2.0, 1/2" CMOS, Max. resolution 2048×1536. Transmission Rate 5 fps. Metal housing, with capture and measurement software
ST-BUDC-6300MH	3.0M CMOS High Speed Color Digital Camera	USB 2.0, 1/2" CMOS, Max. resolution 2048×1536. High Speed Transmission Rate 10 fps. Metal housing, with capture and measurement software
ST-BUDC-6500M	5.0M CMOS High Speed Color Digital Camera	USB 2.0, 1/2.5" CMOS, Max. resolution 2592×1944. High Speed Transmission Rate 6 fps. Metal housing, with capture and measurement software
ST-BUDC-6900M	9.0M CMOS High Speed Color Digital Camera	USB 2.0, 1/2.3" CMOS, Max. resolution 3488×2616. High Speed Transmission Rate 4 fps. Metal housing, with capture and measurement software

Specification of USB Measuring Camera

Product Model	ST-BUDC-6130M	ST-BUDC-6500M	ST-BUDC-6300MH	ST-BUDC-6500M	ST-BUDC-6900M
Resolution	1280 × 1024	048×1536		2592 × 1944	3488 × 2616
Pixel Size	5.2 × 5.2µm	3.2×3.2µm		2.2 × 2.2µm	1.75 × 1.75µm
Definition	800 Lines	950 Lines		1000 Lines	1200 Lines
Lens Mount	C/CS				
Image Sensor	1/3" 1.3M (Color CMOS)	1/2" 3.0M (Color CMOS)		1/2.5" 5.0M (Color CMOS)	1/2.3" 9.0M (Color CMOS)
Spectrum Response	400nm-1100nm				
Scan Method	Progressive scanning				
Exposal Type	ERS (Electronic Rolling Shutter)				
Transmission Rate	10fps	5fps		6fps	4fps
White Balance	Automatic/ Manual				
Exposure Control	Automatic/ Manual				
Video Output	USB2.0, 480Mb/s				
Power Supply	USB2.0				
Dynamic Range	68dB	61dB		70dB	62.7dB
Working Temperature	0 C to 50 °C (32°F to 122°F)	0°C to 60 °C (32°F to 140°F)		-30°C to 70 °C (-22°F to 158°F)	-30°C to 70 °C (-22°F to 158°F)