

VIDEOLOGY®

IMAGING SOLUTIONS INC.
Original Equipment Manufacturer

USB, Megapixel Color Camera

24C7.38USB

Product Features

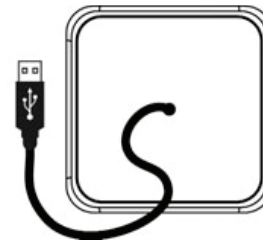
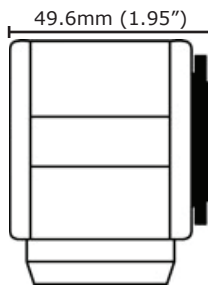
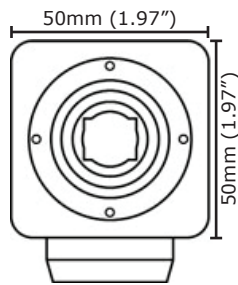
- 1.3 megapixel progressive scan sensor
- >12.5fps at 720p high definition uncompressed resolution
- Still image capture with streaming video
- USB 2.0 bus provides power and camera control
- Complete SDK available

Software

- USB 2.0 viewer software and Microsoft Digitally Certified WDM Device Drivers for 32bit and 64bit Windows operating systems
- DirectX/DirectShow compliant
- TWAIN compliant
- **Linux driver available**
- **FIPS 201 compliance (in conjunction with appropriate software)**



24C7.38USB Shown with optional 6mm lens



Technical Specifications

Electrical	24C7.38USB
Sensor	1/3" CMOS
Viewer Display	1280 x 1024 max
Max Frame Rates (Uncompressed)	7.5 fps @ SXGA (1280 x 1024) 12fps @ XGA (1024 x 768) 25fps @ VGA (640 x 480)
Sensitivity	< 2.0 Lux (50 IRE) F1.2, 3200K, lens transmission 80%, scene reflection 75%
Signal to Noise Ratio	>45 dB (AGC off)
Gamma	0.45 default (1.0 via software)
Gain Control	Automatic 36 dB (AGC default) or Fixed options via software
Scan Mode	Progressive scan
Mirror Mode	Yes (horizontal/vertical)
Shutter Mode	Rolling shutter
Control Communication	Camera control via USB bus
Synchronization	Internal
Back Light Compensation	Default on (selectible via software)
White Balance Mode	AWB auto white mode, Fixed modes selectable via software
Contour Enhancement	Default on
Iris Control	Electronic shutter
Shutter Speeds	Automatic Fixed (NTSC) 1/12 to 1/100 Fixed (PAL) 1/15 to 1/120
Video Output	USB 2.0
Power Supply	5VDC via USB 2.0 bus
Power Consumption	< 0.6W

Mechanical

Dimensions W x H x D	50mm x 50mm x 49.6mm (without lens mount) (1.97" x 1.97" x 1.95")
Cable	Integrated 8.2 ft USB cable

Environmental

Operating Temperature	-15° C ~ 55° C (5° F ~ 131° F)
Operating Humidity	20% up to 93%RH
Storage Temperature	-25° C ~ + 70° C (-13° F ~ 158° F)
Storage Humidity	Up to 98%RH
Lifetime	MTBF > 150000

Software

<i>Viewer (included)</i> SFT-07019	<ul style="list-style-type: none"> • WDM device drivers • DirectX/DirectShow compliant • TWAIN compliant (requires driver installation)
<i>SDK (optional)</i> SFT-07019-SDK	Complete software development kit and support for OEMs

Recommended System Requirements

Hardware	Pentium IV	2.3GHz +, 1GB hard drive, Intel USB 2.0 Host controller
Software	Windows 7	32 bit and 64 bit
	Windows Vista	32 bit and 64 bit
	Windows XP	Service pack 2 +, DirectX 9.0c or above

Government Compliance

FIPS 201
<i>In conjunction with appropriate software</i>

Standards

RoHS

09/19/11 PDS-24C7.38USB REV E

All data subject to change without notice.

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