

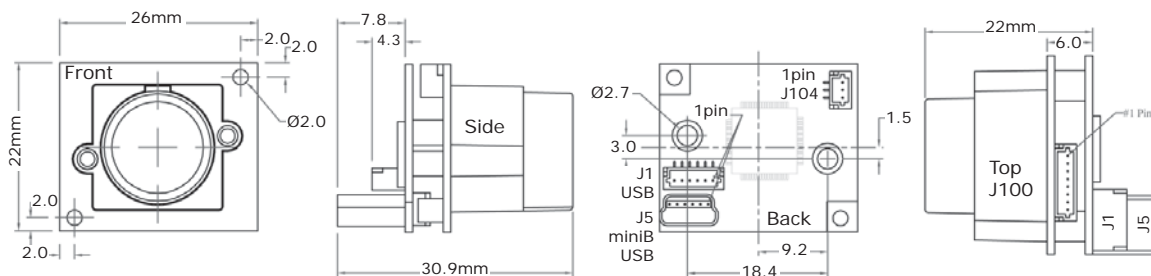
### Product Features

USB (2.0) UVC, Progressive Scan minimizes motion blur!

- 1/3" CMOS sensor
- Dynamic range to 120dB provides brilliant color detail within both shadows and brightest light scenes
- Miniature rugged 22mm x 26mm double board
- Low 0.1 lux sensitivity
- Metal CS, M-12 and pinhole lens mounts
- Optional mini metal housings suitable for ATMs and Kiosks
- Day/Night



Shown with optional lens



### Technical Specifications

	22C21XWUSB-UVC (NTSC)	23C21XWUSB-UVC (PAL)
<b>Electrical</b>		
Image Sensor	1/3" CMOS	
Effective Pixels (H x V)	756 x 504	
Pixel Size	6.35um x 7.4um	
Shutter Mode	Rolling	
Scanning System	Progressive	
Frame Rate	30fps	25fps
Aspect Ratio	4:3	
Sensitivity	<0.1 Lux color / <0.01 Lux B&W	
White Balance Range	2,850K - 6,000K	
Wide Dynamic Range	120dB (max), 102dB (typical)	
Synchronization	Internal	
Gamma	.45 default	
Iris	Manual	
Video Output	USB 2.0	
Signal to Noise Ratio	47.9dB	
Supply Voltage	5VDC via USB bus	
Power Consumption	<1.0W	

### Environmental

Operating Temperature	-10°C ~ 50°C (14°F ~ 122°F)
Operating Humidity	30% - 90%
Storage Temperature	-30°C ~ 80°C (-22°F ~ 176°F)
Storage Humidity	<85%RH
MTBF	150,000 hours

#### J1 JST Connector (USB)

01 +5VDC	04 ID
02 DATA -	05 GND
03 DATA +	06 GND

#### J5 miniB USB Connector

01 +5VDC	04 ID
02 DATA -	05 GND
03 DATA +	

#### J100 JST Connector (I<sup>2</sup>C)

01 N/A	05 DO NOT USE
02 GND	06 DO NOT USE
03 I2C-SDA	07 GND
04 I2C-SCL	08 VIN

#### J104 JST Connector

01 SNAP	
02 GND	
03 FREX	optional

### Mechanical

Dimensions WxHxD	26mm x 22mm x 30.9mm (1" x 0.86" x 1.2") with M-12 lens mount		
Weight	17g (0.6oz) (with M-12 mount)		
Lens Mounts	Replace "X" in model number with desired lens mount		
Ex: Change 22C21XWUSB-UVC to 22C215WUSB-UVC to select an M-12 Board Mount	2 = M-12 Pinhole	5 = M-12 Board	8 = CS
Lens	See our lenses at <a href="http://www.videologyinc.com/lenses">www.videologyinc.com/lenses</a>		

### Software

Viewer (included) SFT-15003	Works on all UVC compatible operating systems Linux, Windows, Macintosh, Android
-----------------------------	---

### Accessories

Optional USB 2.0 Cables	60C1147	10ft (3.048m) USB mini (B) to USB (A)
	60C1062	8ft (2.4384m) 6-pin JST to USB (A)
Other cable length options are available. Please contact a Videology Sales Rep. for details		

### I<sup>2</sup>C Communication Kit (Optional)

60C2-U	I <sup>2</sup> C board, program cable, USB cable, camera control software (SFT-14521)
--------	---