

AUDIO VIDEO SUPPLY

VIDEOLGY®

IMAGING SOLUTIONS INC.
Original Equipment Manufacturer

Mini 1.2MP 720p Color USB3 CMOS Camera

24C1.2XU3

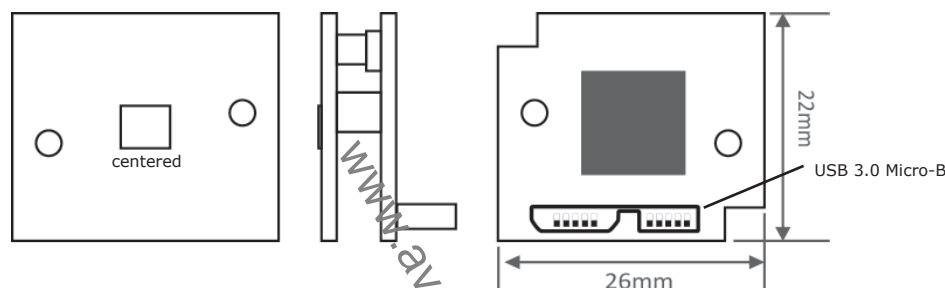
Preliminary

Product Features

- 1/6" color industrial grade progressive scan sensor
- 1.2MP 720p square pixels @ 30fps
- Switchable to 640 x 480 video at 55fps
- Small 22mm x 26mm Videology family profile
- USB 3.0 data output
- UVC camera with extension commands (DirectShow API available)
- Near IR sensitive to 920µ B/W (see graph)



Quick adaptations possible to meet your volume production needs.



Technical Specifications

Electrical

	24C1.2XU3
Optical Format	1/6" CMOS ON Semiconductor MT9M114
Aspect Ratio	4:3
Active Pixels	1296 x 976
Resolution	1280 x 720, 640 x 480
Pixel Size	1.9µm x 1.9µm
Color Filter Array	RGB Bayer
Frame rate	30 fps @ 720p 55 fps @ 640 x 480
Scan Mode	Progressive
Responsivity	2.25 V/lux-sec
SNR Max	36.8 dB
Dynamic Range	70.8 dB
Gain	Automatic / Manual
Shutter Type	Electronic Rolling Shutter
Shutter Speed	Auto exposure 9 fixed speeds (1/25 sec. - 1/10,000 sec.)
Supply Voltage	USB3 / 5V
Power Consumption	<1W

Mechanical

Dimensions W x H x D	Sensor	7.5mm x 7.5mm
	USB3 board	22mm x 26mm x 15mm
Weight	TBD	
Lens	M-12 board mount (32M04330F-14M)	
	Alternate lens mount potential for M-5 in future	
Connectors	USB 3.0 type micro B	

Camera Controls

via Videology viewer Brightness, Contrast, Hue, Saturation, Sharpness, AWB, Manual WB, Auto Exposure, Gamma, BLC, Flicker Avoidance, Flip/Mirror

Environmental

Operating Temperature -30°C ~ 70°C (-22°F ~ 158°F)

Spectral Response

