

Product Features

- Synchronized USB powered LED flash for consistent high quality images in any environment
- 2 megapixel progressive scan sensor
- Still image capture with streaming video
- Auto focus, 10x optical zoom
- **USB 2.0 bus provides power, camera and flash control**
- **Convenient manual dial allows customized flash intensity**

Software Development Kit Available

- A single code insert is needed in customer's software to integrate flash operation
- USB 2.0 viewer software and Microsoft Digitally Certified WDM Device Drivers for 32bit and 64bit Windows operating systems in process
- TWAIN compliant
- FIPS 201 compliance (in conjunction with appropriate software)



Technical Specifications

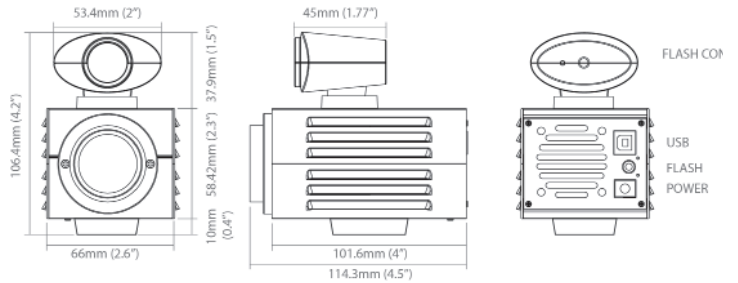
Electrical	24Z704USB-F 24Z704USB-FT
Image Sensor	1/3" CMOS progressive scan
Viewer Display	1280 x 1024
Total Pixels (HxV)	1600 x 1200
Pixel Size	3.0µm x 3.0µm
Scanning System	Progressive Scan
Scanning Frequency (HxV)	19.5KHz x 15Hz
Resolution	800 TVL
Sensitivity	1 lux (30 IRE)
Frame Rate	USB 2.0 @ 8 fps (max)
Display Resolution	1280 x 1024
Still Capture	1280 x 1024 pixels
Signal To Noise Ratio	≤ 40dB (max)
Synchronization	Internal
Scan Mode	Progressive scan
Flickerless Mode	Yes (always on, NTSC/PAL configurable)
Contour Enhancement	Yes (text mode or image mode)
Mirror Mode	Yes (horizontal/vertical)
Positive/Negative Mode	Yes
Video Output	USB 2.0
Control Communication	USB bus
Shutter Speed	1/20 - 1/1000 sec.
White Balance	Auto/manual
Brightness	Manual
Iris	Auto/manual
Power Supply	12VDC (10 - 14VDC)
Power Consumption	1 Amp Max
Special Functions	Freeze, H/V reverse, save & recall images

USB Video

Video Capture	Yes (via software)
High Resolution Still Image Capture	Yes (via software)
Supported Image Formats	Uncompressed YUV422
USB Bandwidth	USB 2.0

Mechanical

Dimensions (WxHxD)	67.3mm x 106.4mm x 113.9mm (2.65" x 4.2" x 4.48")
Weight	417g (0.92 lbs)



Environmental

Operating Temp.	-10°C ~ 50°C (recommended 5° C ~ 40° C)
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Software

Viewer (included) SFT-10002	<ul style="list-style-type: none"> • WDM device drivers • DirectX/DirectShow compliant • TWAIN compliant (requires driver installation)
SDK (optional)	Complete software development kit and support for OEMs

Accessories

Included	Part Number	Description
	10FL110	Lighting unit
	10FH01	USB (A) from PC, powers lighting unit and connects to camera (USB B)
	8.75' USB cable/hub	
	70V0913	Flash unit mounting block
	70V0423-B	1/4" - 20 mounting block
	70V0715	6mm panhead screw zink
	70V0715-B	6mm panhead screw black
	60C0021	USA AC power cable
	60PR12DC5.0A-AFZ	12VDC power supply (5A)

Complementary Models

24Z704USB-P-F	PAL version (50 Hz) with AC power cable (60C1118)
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Government Compliance

FIPS 201	In conjunction with appropriate software
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