Videology®
Industrial-Grade Cameras
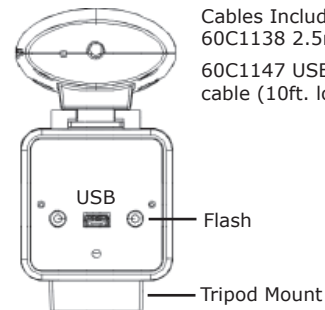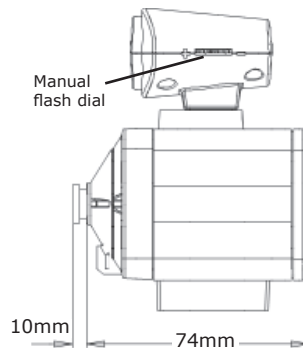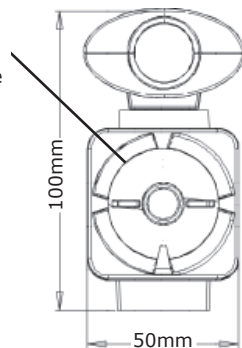### an inTEST Company

Full HD FLASH-SYNC for Facial Photo ID
Precision Pixel Matched Lensing
Larger Sensor Pixels
24C708AF-1 REAL ID compatible

Product Features

- **Synchronized USB powered LED flash for consistent high quality images in any environment**
- FHD progressive scan sensor for 1920 x 1080 still images
- Both Compressed (MJPEG) and Raw video (YUY2) outputs supported. Still image capture only with MJPEG
- USB 2.0 bus provides power, camera and flash control
- UVC compliant

- Convenient manual dial allows customized flash intensity
- 1/4 20 mount is on base for tripod use
- Full SDK available for integration into customer applications - *Check with Sales*
- TWAIN compatible
- **NOTE: Neutral Gray backdrop is recommended**

To access appropriate focus beyond the recommended range of 4-8 feet, a 3 position wheel will be added to the mechanicals.

Manual flash dial

Cables Included:
60C1138 2.5mm stereo (6" long)
60C1147 USB 2.0 A to mini B cable (10ft. long)

USB
Flash
Tripod Mount

100mm
50mm
10mm
74mm

Technical Specifications

24C708AF-1

Image Sensor Size	1/2.7"		
Pixel Size	3µm x 3µm		
Resolution and Frame Rates	MJPEG compressed	Still Capture choices	**1920x1080** **(recommended)** 1280 x 1024 1280x720 640x480
	YUY2 uncompressed	Video Capture choices. Still image not possible	1920x1080/5fps 1280 x 1024/10fps 1280x720/20fps 640x480/30fps
Sensitivity	0.1LUX/F2.0		
Signal to Noise Ratio	>65dB		
Shutter Mode	Electronic rolling shutter		
Field of View (H x V)	40° x 30°		
Video Output	USB 2.0		
Power Supply	5VDC via USB 2.0 bus		
Power Consumption	<200mA		

UVC Controls

Still Capture	Selectable
Flash	Selectable via Videology viewer or TWAIN
Focus	Manual
	Preset for 4-8 feet
Image Controls	Contrast, Brightness, Hue, Resolution, Gamma, White Balance, Exposure
Gain	Fixed

See Software Manual for more details

www.videologyinc.com

Software

SFT-15003 rev 2.2.0.1 or above	• Videology viewer with active features
SFT-10011 rev 2.1.26 or above	• TWAIN Data Source

Recommended System Requirements

Hardware	Requires USB 2.0 or USB 3 backwards compatible UVC compliant ports
Operating Systems	Windows XP, 7, 8, 10 Linux 2.6.26 Android 4.0 above *(potential)* Mac OS 10.4.8 or above *(potential)*

Lens

3MP M-12 Board Mount	Customized precision 12mm focal length with high uniformity, MTF matched to sensor. Depth of Field optimized for facial still image capture (4-8 feet range). *Mechanical preset selectors to extend this range are in design for release by July, 2021*

Environmental

Operating Temperature	-15°C - 55°C (5°F-131°F)

Mechanical

Dimensions W x H x D	50mm x 100mm x 74mm (with flash and no lens)
Weight	154g
Included Cables	60C1138 - 2.5mm stereo (6" plug to plug) 60C1147 - USB 2.0 A to mini B cable (10ft)
Included Tripod Mount	1/4 20 mount for easy mounting capability

REAL ID Compatible**

** under ideal conditions wrt face distance, lighting, FOV, motion & software

Excellence.
Every day. Every time.