Product Features
- Synchronized USB powered LED flash for consistent high quality images in any environment
- 5.0 megapixel progressive scan sensor for 2592 x 1944 still images
- Separate formats supported for streaming video and still image capture
- Both Compressed (MJPEG) and Raw video outputs supported
- USB 2.0 bus provides power, camera and flash control

Technical Specifications

**Electrical**

- **Image Sensor Size**: 1/4" 1.4μm x 1.4μm
- **Pixel Size**: 1.4μm x 1.4μm
- **Viewer Display**: 2592 x 1944 through 320 x 240
- **Compressing**: MJPEG
- **Sensitivity**: 600mV/lux-sec
- **Dynamic Range**: 68dB
- **Signal to Noise Ratio**: 36dB
- **Shutter Mode**: Electronic rolling shutter
- **Field of View (H x V)**: 40° x 30°
- **Video Output**: USB 2.0
- **Power Supply**: SVDC via USB 2.0 bus
- **Power Consumption**: ≤0.5mA

**UVC Controls**

- **Still Capture**: Selectable
- **Flash**: Selectable via Videology viewer or SDK
- **Exposure**: Auto/ Manual
- **Focus**: Push to focus via UVC trigger - not continuous
- **White Balance**: Auto/ Manual
- **Brightness**: Selectable
- **Contrast**: Selectable
- **Hue**: Selectable
- **Saturation**: Selectable
- **Sharpness**: Selectable
- **Gamma**: Selectable
- **Gain**: Selectable
- **Backlight Compensation**: On or Off

**Software**

- **TWAIN**
- **Videology viewer with active features**
- **DirectX/ DirectShow compliant**
- **SDK**

**Recommended System Requirements**

**Hardware**: Requires USB 2.0 UVC compliant ports

- **Operating System**: Windows 7, 8, 10 32 bit and 64 bit
- **Storage**: 32 bit and 64 bit
- **Operating System**: Windows XP Service pack 2+, DirectX 9.0c or above
- **Operating System**: Linux 2.6.26+ potential
- **Operating System**: Mac OS 10.4.3 potential

**Environmental**

- **Operating Temperature**: -15°C - 55°C (5°F-131°F)
- **Storage Temperature**: -25°C - 70° (-13°F - 158°F)
- **Operating Humidity**: 20% - 93% RH (non condensing)
- **Storage Humidity**: 98% RH (non condensing)

**Mechanical**

- **Dimensions**: 50mm x 100mm x 75mm (with flash)
- **Weight**: 154g

- **Included Diopter**: 5x Diopter

**Ordering Information**

- 24C708A 5x diopter, without flash
- 24C708AF 5x diopter, flash
- 24C708A-L2X 2x diopter, without flash
- 24C708AF-L2X 2x diopter, flash

All data subject to change without notice.

07/19/18 PDS-24C708AF Rev G