

Product Features

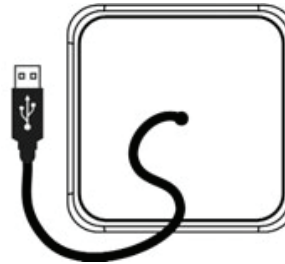
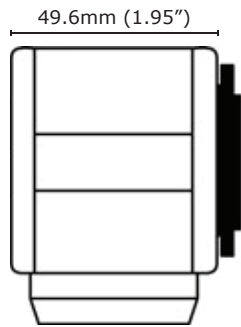
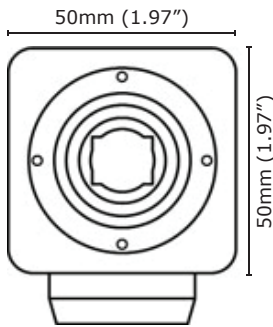
- Still image capture with streaming video
- USB 2.0 bus provides power and camera control
- Dynamic range to 120dB provides brilliant color detail within both shadows and brightest light scenes
- Complete SDK available

Software

- USB 2.0 viewer software and Microsoft Digitally Certified WDM Device Drivers for 32bit and 64bit Windows operating systems
- DirectX/DirectShow compliant
- TWAIN compliant
- **Select Linux drivers available**



20K758USB-C-1 shown (with optional 8mm lens)



Built in USB 2.0 cable (8.2 ft.)

Technical Specifications

| Electrical | 20K758USB-C-1 | 21K758USB-C-1 |
|-------------------------|---|---------------------------------------|
| | NTSC | PAL |
| Image Sensor | 1/3" | |
| Active Pixels (HxV) | 768 x 494 | 752 x 582 |
| Viewer Display | 720 x 480 pixels max (USB 2.0, 30fps) | 720 x 576 pixels max (USB 2.0, 30fps) |
| Sensitivity | <0.5 Lux | |
| Signal to Noise Ratio | > 48 dB (AGC off) | |
| Gamma | 0.45 default (1.0 via Software) | |
| Gain Control | Automatic 36 dB (AGC default) or Fixed options via software | |
| Scan Mode | Interlaced / Non Interlaced (selectable via Software) | |
| Mirror Mode | Yes (horizontal/vertical) | |
| Synchronization | Internal | |
| Back Light Compensation | Default on (selectable via software) | |
| Contour Enhancement | Default on | |
| White Balance Mode | AWB auto white mode, Fixed modes selectable via software | |
| Wide Dynamic Range | 120dB (max), 102dB (typical) | |
| Control Communication | Camera control via USB bus | |
| Video Output | USB 2.0 | |
| Power Supply | 5VDC via USB bus | |
| Power Consumption | < 1.3 W | |

Mechanical

| | |
|----------------------|---|
| Dimensions W x H x D | 50mm x 50mm x 49.6mm (without lens mount) (1.97" x 1.97" x 1.95") |
| Weight | 154g (0.34 lb) |
| Cable | Integrated 8.2 ft. USB cable |

Environmental

| | |
|-----------------------|----------------------------------|
| Operating Temperature | -15° C ~ 55° C (5° F ~ 131° F) |
| Storage Temperature | -25° C ~ 70° C (-13° F ~ 158° F) |
| Operating Humidity | 20 up to 93%RH |
| Storage Humidity | Up to 98%RH |
| Lifetime | MTBF > 150000 |
| Packaging | ESD safe package |

Software

| | |
|--|--|
| <i>Viewer (included)</i> SFT-07019 | <ul style="list-style-type: none"> • WDM device drivers • DirectX/DirectShow compliant • TWAIN compliant (requires driver installation) |
| <i>SDK (optional)</i> SFT-07019-SDK | Complete software development kit and support for OEMs |

Recommended System Requirements

| | | |
|----------|------------------|---|
| Hardware | Pentium IV | 2.3GHz +, 1GB hard drive, Intel USB 2.0 Host controller |
| Software | Windows 7, 8, 10 | 32 bit and 64 bit |
| | Windows Vista | 32 bit and 64 bit |
| | Windows XP | Service pack 2 +, DirectX 9.0c or above |

Complementary Models

| | |
|-----------------|--|
| 20K758USB-SYS-1 | USB 2.0 High resolution color box camera photo ID system |
|-----------------|--|

Standards

| | |
|--|------|
| | RoHS |
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