Technical Specifications

- **Scan Mode**: Progressive
- **Max. Resolution**: 2592 × 1944 pixels @ 5 fps
- **Pixel Size**: 2.2 μm × 2.2 μm
- **Responsivity**: 0.53 v/lux-sec (550 nm)
- **Dynamic Range**: 66.5 dB
- **A/D Converter**: 12-bit, 8-Bit R.G.B. to PC
- **S/N Ratio**: 400-650 nm (with IR-Filter)
- **Spectral Range**: 60 fps @ 640 × 480 pixels
- **Frame Size and Rate**: 18 fps @ 1280 × 960 pixels
- **White Balance**: 5 fps @ 2592 × 1944 pixels
- **Capture/Control API**: One-push region of interest (ROI) white balance/
- **Capture Mode**: manual temp-tint adjustment
- **Capture/Control API**: DirectShow, Twain
- **Capture Mode**: Still picture and video

System Requirements

- **Operating System**: Windows® XP, Vista, 7 (32 & 64 bit)
- **CPU**: Equal to Intel® Core2 2.8 GHz or higher
- **RAM**: 2 GB
- **USB**: USB 2.0 high-speed port
- **Optical Drive**: CD-ROM drive

Environmental Specifications

- **Operating Temperature**: -30~70 °C
- **Storage Temperature**: -40~125 °C
- **Operating Humidity**: 30~80 %RH
- **Storage Humidity**: 10~60 %RH

Electrical Specifications

- **Power Supply**: USB powered

General Specifications

- **Dimensions**: W 8.25” × D 5.25” × H 3.25” (21 cm × 13.3 cm × 8.25 cm)
- **Cable Length (Camera to Computer)**: 6 ft. 5 in. (196 cm)
- **Weight**: 1.8 lb (0.82 kg)
- **Part Number**: 427500