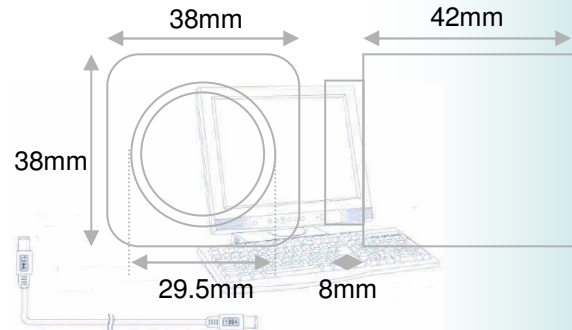


Digital Imaging Camera

- USB 2.0 Direct Connect



Features

- **No additional capture card** needed - directly connect to PC's USB 2.0 Port.
- Requires **no external power** supply to camera
- View live **high resolution, uncompressed video** on PC monitor with 6fps at **2048x1536** resolution and 24bit colors.
- Capture high resolution image with **2048x1536** resolution and 24bit colors.
- Supports Microsoft DirectShow – **WDM, TWAIN and VFW** drivers.
- C-Mount, Tripod Mounting Socket & Aluminum Casing

Specification

Imaging Chip

- Type: 3.2 Megapixels CMOS sensor
- Pixel Size: 3.18 x 3.18 μm^2
- Image Area: 6.51 mm x 4.88 mm
- Resolution: 2048x1536 active pixels
- Lens Size: 1/2"
- Scan Mode: Progressive
- Frame Rate: 6.77 (max. full frame)
- Shutter: Electronic rolling
- Sensitivity : >1 V/Lux-sec
- Minimum Illumination: 0.028 lux
- Gamma: Software programmable
- S/N Ratio: 46 dB
- Fixed Pattern Noise < 0.03%
- Pixel Clock: 24 megapixels/second

Interface

- Data Format : 8-bit or 10 bit, uncompressed
- Interface Type : USB 2.0

Software (Driver) Command and Control

- Contrast & Brightness Control
- Exposure Control
- Hue, Saturation: User Configurable
- Sharpness Control
- Auto White Balance

Minimum System Requirement

- CPU: Pentium IV 1.5Ghz and above
- Hard Disk Space: 1G or more
- Display Card: 32Mb or more
- RAM: 256Mb or more
- Others: CD-ROM driver
- OS: Windows 98SE/ME/2000/XP
- USB 2.0 Port: 1 empty Slot

UCM3000

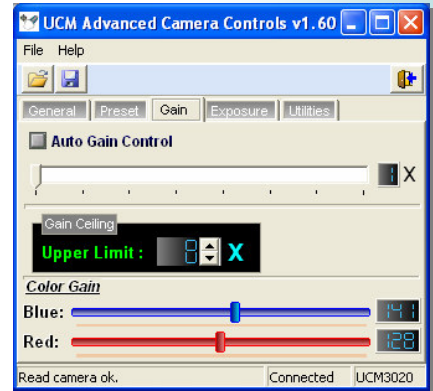
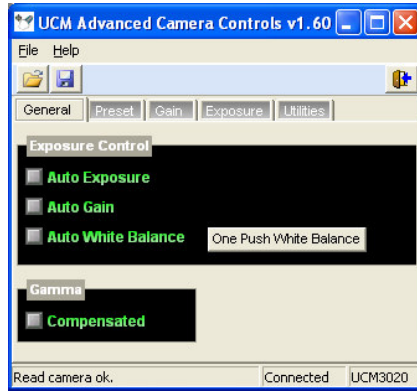
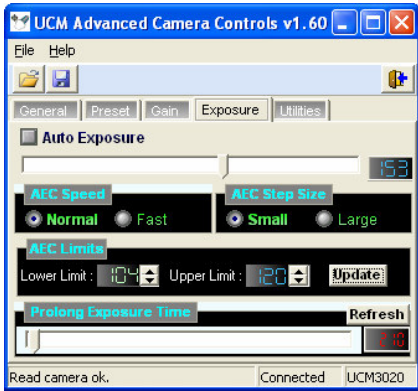
Advanced Camera Control Tool

- **White Balance** : Auto/Manual White Balance, **One-Push White Balance Calibration**.

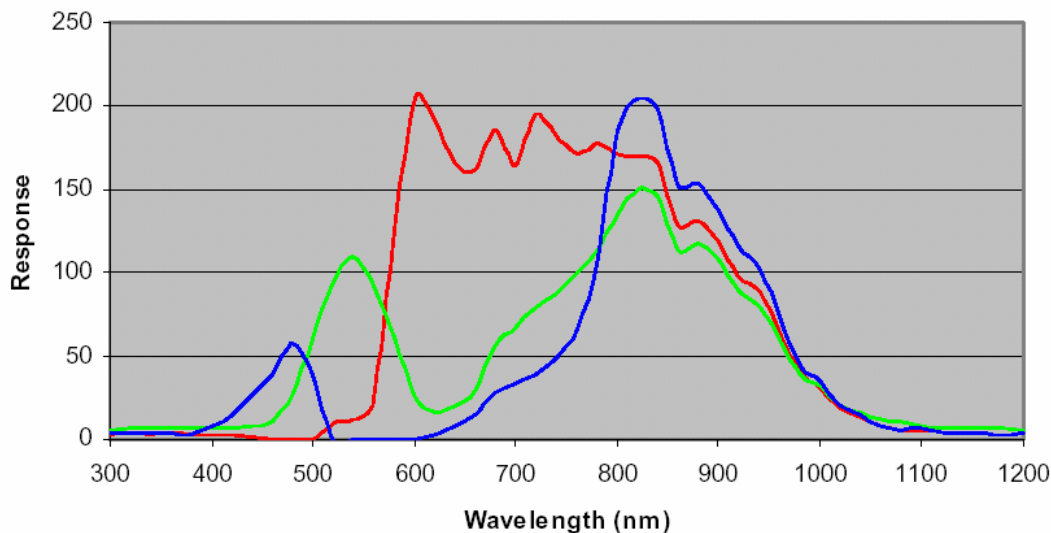
- **Gain** : Auto/Manual Gain, Gain Ceiling Setting, Blue/Red Color Gain.

- **Exposure** : Auto/Manual Exposure, Sensor Exposure Time, AEC Speed, AEC Step Size, Auto Exposure Upper/Lower Limits Setting

- **Others** : Gamma, camera settings Save/Load, Color Pattern Bar, Camera soft reset, **accepts command** to auto save/load the last camera setting



Spectrum Response



Accessories

- Driver for Windows XP, 2000, ME and 98SE : Microsoft DirectX/Show, TWAIN and VFW Extension.
- USB Cable (USB 2.0 Type): 1.8/2.0 Meter (optional 3 and 5 Meter)
- IR-Cut Filter : 0.3mm Thickness
- Lens: (optional CS-Mount 8mm, 12mm and 16mm)
- Lighting : (optional LED ring light)