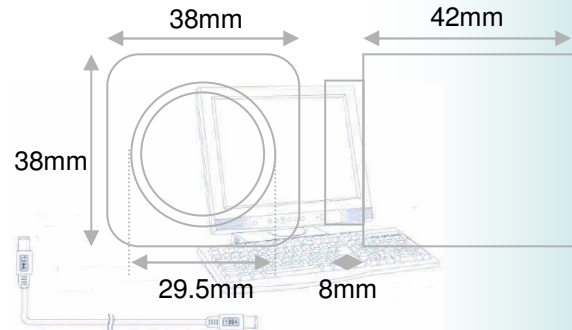


Digital Imaging Camera

- USB 2.0 Direct Connect



Features

- **No additional capture card** needed - directly connect to the PC's USB 2.0 Port.
- Requires **no external power** supply to camera
- View live **high resolution, uncompressed video** on PC monitor with 15fps at **1280x1024** resolution and 24bit colors.
- Capture high resolution image with **1280x1024** resolution and 24bit colors.
- Supports Microsoft DirectShow – **WDM, TWAIN and VFW** drivers.
- C-Mount, Tripod Mounting Socket & Aluminum Casing

Specification

Imaging Chip

- Type: 1.3 Megapixels CMOS sensor
- Pixel Size: 5.2x5.2 μm^2
- Image Area: 6.66 mm x 5.32 mm
- Resolution: 1280x1024 active pixels
- Image Array Size: 1/2"
- Scan Mode: Progressive
- Frame Rate: 15 (max. full frame)
- Shutter: Electronic rolling
- Sensitivity : 1 V/lux-sec
- Gamma: Software programmable
- S/N Ratio: 54 dB
- Fixed Pattern Noise < 0.03%
- Pixel Clock: 24 megapixels/second
- Exposure Time: 66 μs to >9 sec.

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 1.0Ghz and above
- Hard Disk Space: 1G or more
- Display Card: 32MB or more
- RAM: 256MB or more
- Others: CD-ROM drive
- OS: Windows 98SE/ME/2000/XP
- USB 2.0 Port: 1 empty Slot

UCM1300

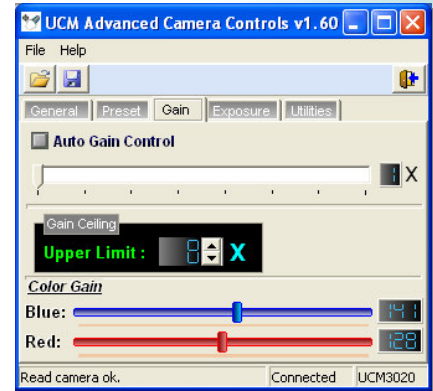
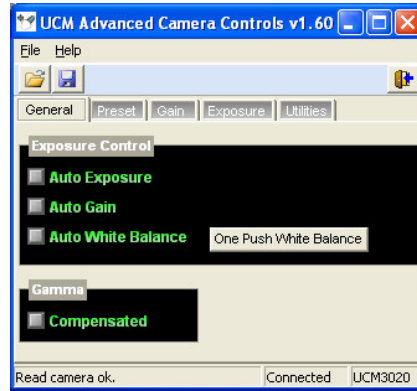
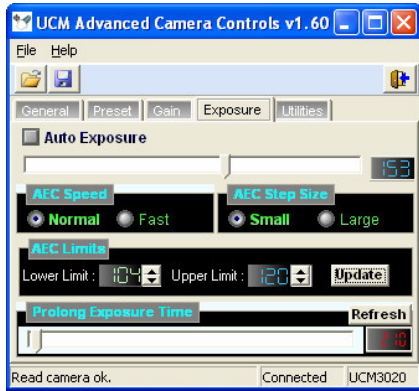
Advanced Camera Control Tool

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

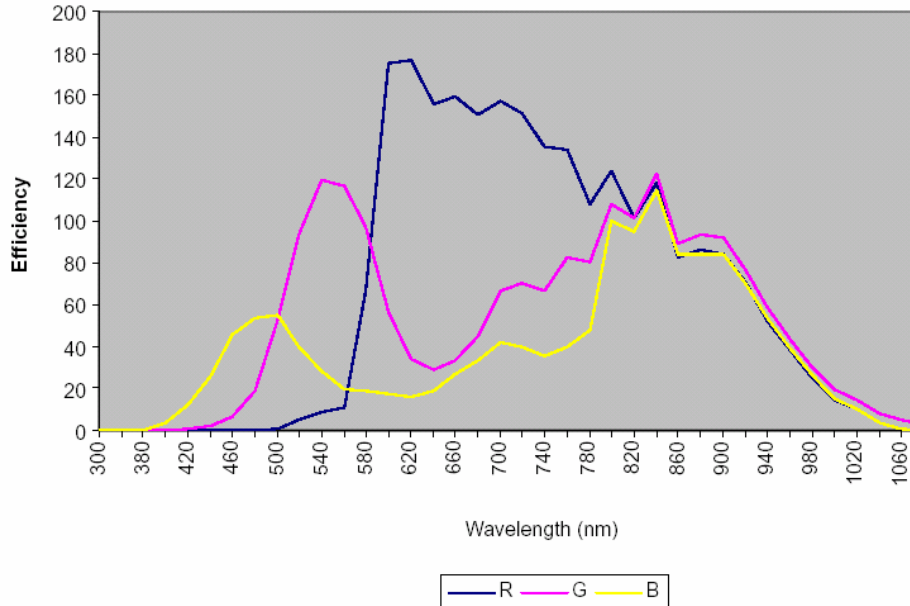
-**Gain** : Auto/Manual Gain, Gain Ceiling Setting, Blue/Red Color Gain.

- **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



Normalized 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)