

WAT-01U2 1/2.8" Ultra Compact Full HD USB2.0 Camera

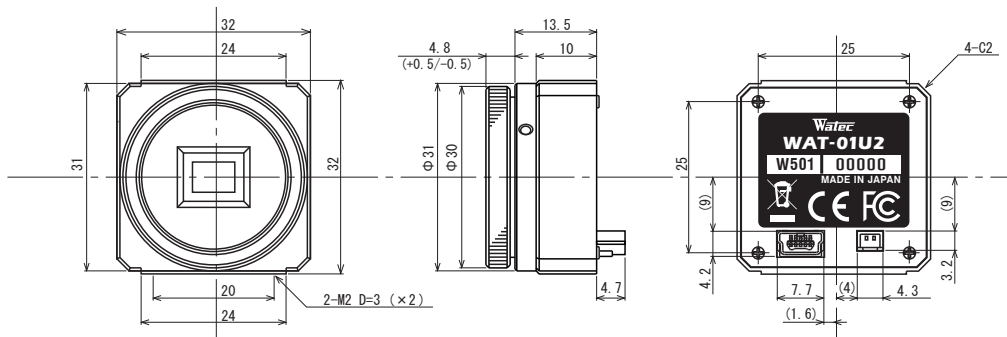
Compact design for easy installation
Directly plug into your PC without the need for a separate capture device



Key features

- Ultra compact design (32 x 32mm) with CS lens mount and light weight
- 1/2.8-inch Megapixel CMOS image sensor achieves the effective pixels 1984(H) x 1105(V)
- The internal ISP (Image Signal Processor) ensures optimal image quality depending on the usage environment
- USB Video Class & USB Bus Power (plug & play)
- Simple viewer software with features to change the camera settings and capture images.

Dimensions



Specifications

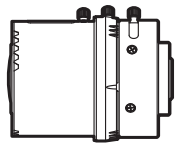
Pick-up element	1/2.8-inch CMOS image sensor	
Number of total pixels	2000(H) x 1121(V)	
Number of effective pixels	1984(H) x 1105(V)	
Unit cell size	2.8 μm x 2.8 μm	
Imaging system	RGB primary color mosaic filter	
Sync. System	Internal	
Scanning System	Progressive	
Output size	160x120, 176x144, 320x240, 640x480, 1280x720, 1280x800, 1280x1024, 1920x1080	
Max. frame rate	30 fps	
Video Output	USB Mini-B, USB Video Class (Compatible)	
Minimum Illumination	0.25 lx F1.4 (1/30s)	
AE mode	Fixed	1/15, 1/30, 1/60, 1/120, 1/250, 1/500, 1/1000, 1/2000, 1/4000, 1/8000 sec.
	EI	1/30 - 1/8000 sec. *Slow shutter: 1/15 - 1/8000 sec.
White balance	ATW	2800 - 9500K
	MWB	2800 - 6500K
AGC	0 - 42dB	
MGC	0 - 24dB (25 steps)	
Gamma characteristics	ON / OFF	
Back Light Compensation	ON (Center) / OFF	
Power Supply	DC+5V (Supplied by the USB bus)	
Power Consumption	0.6W (120mA)	
Operating Temperature	-10 - +50°C	
Storage Temperature	-30 - +70°C	
Operating / Storage Humidity	95% RH or less (Without condensation)	
Lens Mount	CS-mount (Back focus adjustable)	
Cable length	Shorter than 3.0m recommended	
Weight	Approx. 35g	
Accessories	Tripod adaptor, Hex. wrench, EX cable, USB cable (1m)	

Min. System Requirements	CPU: 800MHz or faster RAM: 512MB or larger Others: USB2.0 Port
Recommended System Specifications	CPU: Intel® Core™ i Series or newer RAM: 2GB or larger Others: USB2.0 Port, 1920x1080 or better resolution display
Operation Confirmed OS	• Windows XP 32bit/64bit (SP2, 3) • Windows Vista 32bit/64bit • Windows 7 32bit/64bit • Windows 8 32bit/64bit

Accessories Options

WAT-01U2

CS-mount lenses



M13VM288IR

Miniature lenses / Mount adaptors



M2520BC-12



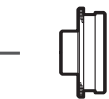
M2920BC-12



M3718BC-12



M4318BC-12



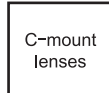
28MMA-M12-155



M0620BC-12



M0820BC-12

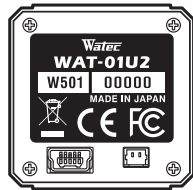
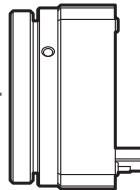


※Not in our lineup

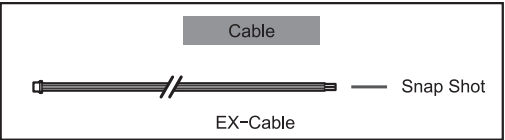
C-mount adaptor



30CMA-R



GPIO



Cable



USB-1M (A/miniB)



PC



PC

※Watec Camera Viewer recommended
Download from Watec website

Holder



H003

Camera bracket



B005

Stand



MS50