

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

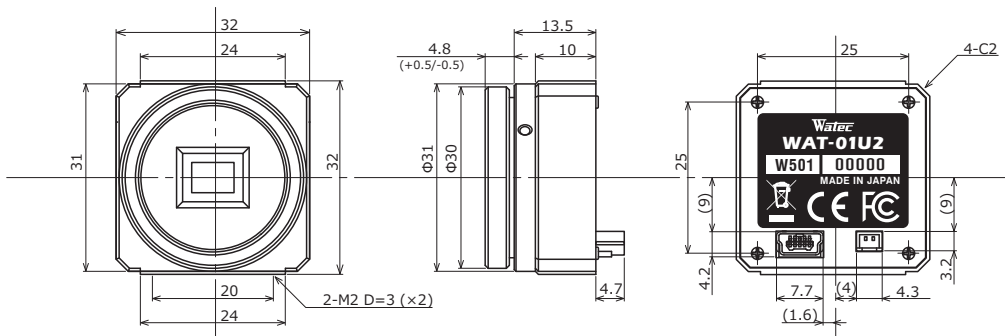
Compact design for easy installation
Directly plug into your PC without the need for a separate capture device



Key features

- 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) × 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

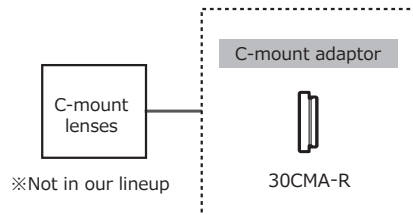
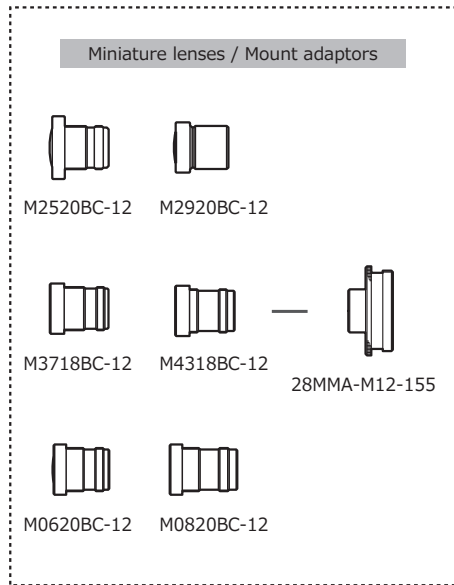
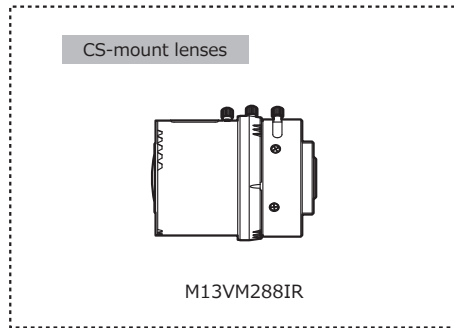


Specifications

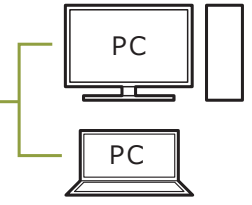
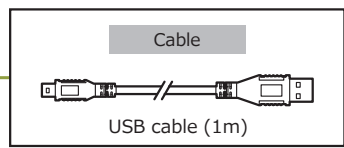
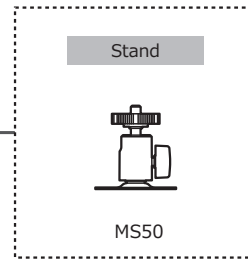
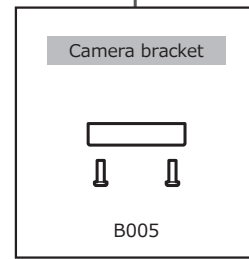
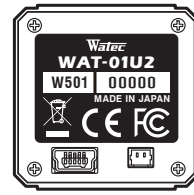
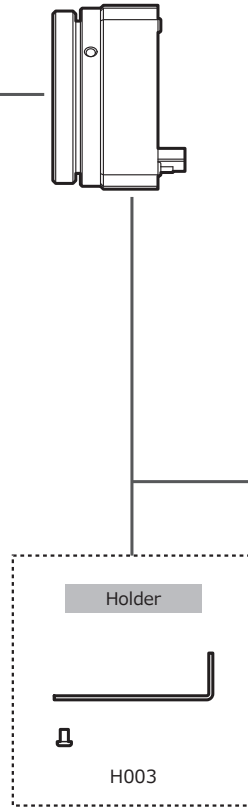
Pick-up element	1/2.8-inch CMOS image sensor	
Number of effective pixels	1984(H) × 1105(V)	
Unit cell size	2.8μm × 2.8μm	
Imaging system	RGB primary color bayer arrangement mosaic filters on chip	
Sync. System	Internal	
Scanning System	Progressive	
Output size	160×120, 176×144, 320×240, 640×480, 1280×720, 1280×800, 1280×1024, 1920×1080	
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	Camera bracket, Hex. wrench, EX cable, USB cable	

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, 1920×1080 or better resolution display
Operation Confirmed OS	<ul style="list-style-type: none"> · Windows XP 32bit/64bit (SP2, 3) · Windows Vista 32bit/64bit · Windows 7 32bit/64bit · Windows 8 32bit/64bit · Windows 8.1 32bit/64bit · Windows 10 32bit/64bit

Accessories Options



WAT-01U2



※ Watec Camera Viewer recommended
Download from Watec website

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