

SPECIFICATIONS

Model		WAT-01U2
Pick-up element		1/2.8-inch CMOS image sensor
Number of effective pixels		1984(H) × 1225(V)
Synchronizing system		Internal
Scanning system		Progressive
Resolution (Horizontal)		More than 680TVL (Center, YUY2)
Output format		USB miniB, USB video class
Minimum illumination		0.25lx (F1.4, 1/30s)
Output size		160×120, 176×144, 320×240, 640×480, 1280×720, 1280×800, 1280×1024, 1920×1080
Maximum frame rate		30 fps
AE mode	Fix shutter	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.)
AGC	Auto	0 - 42dB
	Manual	0 - 24dB (25 steps)
White balance	ATW	2800 - 9500K
	MWB	2800 - 6500K
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
Operating humidity		95%RH or less (Without condensation)
Storage temperature		-30 - +70°C
Storage humidity		95%RH or less (Without condensation)
Lens mount		CS mount (Back focus adjustable)
Weight		Approx. 35g

※Design and specifications are subject to change without notice.

Minimum 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

- Windows® XP 32bit/64bit (SP2, SP3) ※with Limited Functions (Refer to the following table)
- Windows® Vista 32bit/64bit
- Windows® 7 32bit/64bit
- Windows® 8 32bit/64bit

Adjustable Items

Function	Windows® Vista or newer	Windows® XP
Brightness	○	○
Contrast	○	○
Hue	○	○
Saturation	○	○
Sharpness	○	○
Gamma	○	○
White Balance	○	○
Backlight Comp	○	○
Gain	○	×
Anti Flicker	○	×
Exposure	1/15 - 1/8000 sec.	1/30 - 1/8000 sec.
Low Light Compensation	○	×

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※Intel Core is a registered trademark of Intel Corporation in the United States and other countries.

DIMENSIONS (mm)

