

WAT-01U2

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.

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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)

