

**SPECIFICATIONS**
**PRELIMINARY**

Model		WAT-06U2D
Pick-up element		1/2.8 inch CMOS image sensor
Number of effective pixels		1945(H) × 1097(V)
Unit cell size		2.9μm(H) × 2.9μm(V)
Imaging system		RGB primary color bayer arrangement mosaicfilters on chip
Synchronizing system		Internal
Scanning system		Progressive
Output size		320x240, 640x480, 1280x720, 1920x1080
Max. frame rate		30 fps
Video compression		MJPEG, YUY2
Video output		USB Video Class (Compatible)
Minimum illumination		0.3 lx F2.0 (AGC ON=36dB, shutter= OFF)
		0.07 lx F2.0 (AGC ON=36dB, shutter=1/7.5 sec.)
AE mode	Fixed	1/15, 1/7.5, 1/4 sec.
		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.
		1/7.5 - 1/8000 sec.
White balance		ATW, MWB
AGC	ON	0 - 36dB
	OFF	-
MGC		0 - 72dB (1dB step)
Gamma characteristics		$\gamma \approx$ USER (Level adjustable)
Back light compensation		BLC
Sharpness		Level adjustable
Interface		USB (High speed)
Power supply		USB +5V
Power consumption		0.7W (140mA)
Operating temperature		-10 - +50°C
Storage temperature		-30 - +70°C
Operating / Storage humidity		Less than 95% RH (Without condensation)
Lens		M3620BC-12 (f3.6 F2.0)
Cable length		1.2m
Weight		Approx. 83g
Accessory		-
Min. System Requirements	CPU	800MHz or faster
	RAM	512MB or larger
	Others	USB2.0 Port
Recommended System Specification	CPU	Intel Core TM i Series or newer
	RAM	2GB or larger
	Others	USB2.0 Port, 1920×1080 or better resolution display
Operation Confirmed OS		Windows 7 32bit/64bit, Windows 8 32bit/64bit, Windows 8.1 32bit/64bit, Windows 10 32bit/64bit, Android 4.0 or newer

※Design and specifications are subject to change without notice.