

WAT-07U2D

1/2.8" High Sensitivity USB2.0 Full HD Wearable B&W Camera

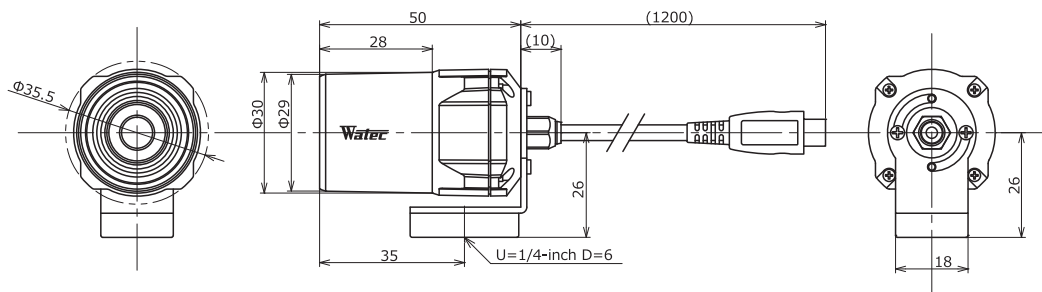
Added B&W version to the USB camera series



Key features

- Min. illumination 0.004 lx F2.0 (AGC ON=36dB, Shutter=OFF)
0.001 lx F2.0 (AGC ON=36dB, Shutter=1/7.5 sec.)
- Full HD (Max. frame rate 30fps)
- Enable the live video transmission via the smartphone or tablet by its Wi-Fi or 4G/3G
- Water resistant built for outdoor use (IPX7 compliance)

Dimensions



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Specifications

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	—	
Synchronizing system	Internal	
Scanning system	Progressive	
Output size	1920x1080, 1280x720, 640x480, 320x240	
Max. frame rate	30 fps	
Video compression	MJPEG, YUY2	
Video output	USB Video Class (Compatible)	
Resolution (H)	More than 800TVL (Center)	
Minimum illumination	0.004 lx F2.0 (AGC ON=36dB, Shutter=OFF)	
	0.001 lx F2.0 (AGC ON=36dB, Shutter=1/7.5 sec.)	
S/N	—	
Function settings	Camera Viewer	
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	—	
AGC	ON	0 - 36dB
	OFF	—
MGC	0 - 72dB (1dB step)	
Gamma characteristics	γ≠USER (Level adjustable)	
Noise reduction	—	
Wide dynamic range	—	
Lens iris	—	
Back light compensation	BLC	
White blemish correction	—	
Sharpness	Level adjustable	
Defog	—	
Digital zoom	×1, ×1.38, ×2.25 *1	×1, ×1.2, ×1.5 *2
Privacy mask	—	
Mirror image	—	
Freeze	—	
Motion detection	—	
Neg.image	—	
Interface	USB2.0 Mini-B	
Power supply	USB +5V	
Power consumption	0.65W (130mA)	
Operating temperature	-10 - +50℃	
Storage temperature	-30 - +70℃	
Operating / Storage humidity	95% RH or less (Without condensation)	
Standard lens	M3620BC-12 (f3.6 F2.0)	
Cable length	1.2m (Max.3.0m)	
Weight	Approx. 85g	
Accessories	—	
Recommended System Specifications	CPU	Intel® Core TM i Series
	RAM	2GB or larger
	Others	USB2.0 Port, 1920×1080 or better resolution display
Operation Confirmed OS	Windows 10 32bit/64bit, Windows 11, Android 4.0 or newer	

*1: Output format: 640x480 *2: Output format: 1280x720

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Options

