

WAT-07U2D

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

Added B&W version to the USB camera series

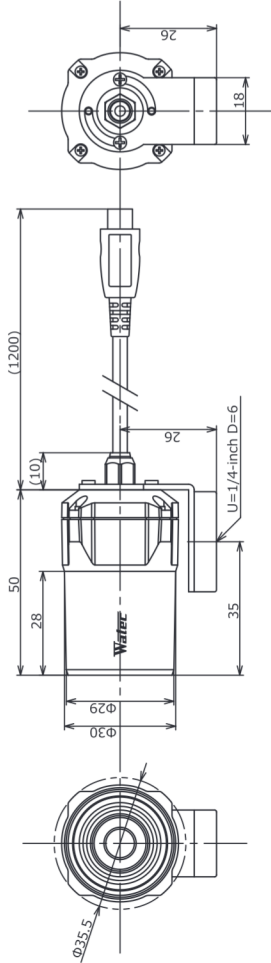
NEW



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



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
Fixed	1/15, 1/7.5, 1/4 sec.
AE mode	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.
White balance	1/7.5 - 1/8000 sec.
ON	—
AGC	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	x1, x1.38, x2.25 *1
Privacy mask	x1, x1.2, x1.5 *2
Mirror image	—
Freeze	—
Motion detection	—
Neg.image	—
Interface	USB (High speed)
Power supply	USB +5V
Power consumption	0.65W (130mA)
Operating temperature	+10 ~ +50°C
Storage temperature	-30 ~ +70°C
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	—
CPU	Intel® Core™ i Series
RAM	2GB or larger
Others	USB2.0 Port, 1920x1080 or better resolution display
Operation Confirmed OS	Windows 10 32bit/64bit, Android 4.0 or newer

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

Options

