

WAT-03U2D

1/3" High Sensitivity USB2.0 HD Water Resistant Camera

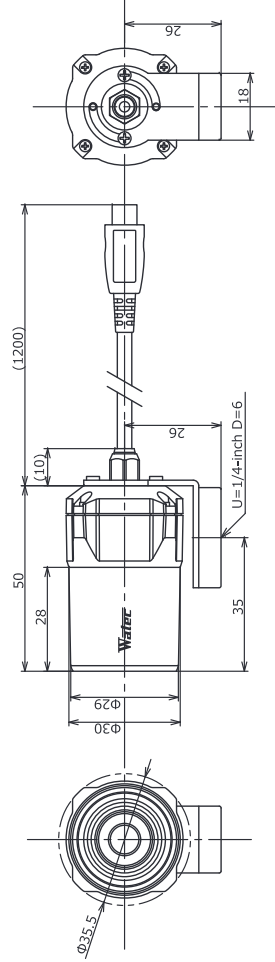
IPX7 Water resistance



Key features

- High Sensitivity 1.3 Mega pixel CMOS sensor
- Min. illumination 0.04 lx F2.0 (AGC ON=42dB, Shutter=OFF)
- 0.01 lx F2.0 (AGC ON=42dB, Shutter=1/7.5 sec.)
- Frame rate : 30fps (HD), 60fps (VGA)
- Water resistant structure for outdoor use

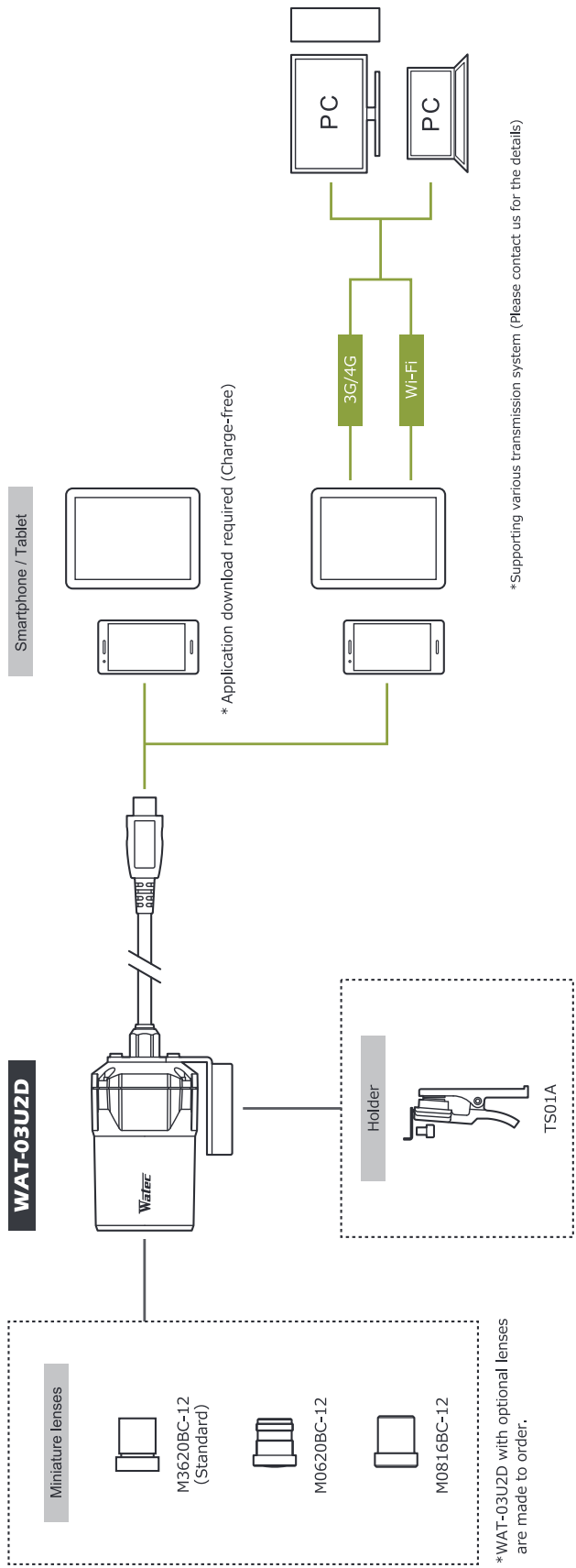
Dimensions



Specifications

Pick-up element	1/3 inch CMOS image sensor
Number of effective pixels	1305(H) x 977(V)
Unit cell size	3.75µm(H) x 3.75µm(V)
Imaging system	RGB primary color bayer arrangement mosaic filters on chip
Synchronizing system	Internal
Scanning system	Progressive
Output size	1280×960, 1280×720, 640×480, 320×240
Max. frame rate	60 fps
Video compression	MJPEG, YUY2
Video output	USB Video Class (Compatible)
Minimum illumination	0.04 lx F2.0 (AGC ON=42dB, Shutter=OFF) 0.01 lx F2.0 (AGC ON=42dB, Shutter=1/7.5 sec.)
S/N	—
Function settings	Camera Viewer
Fixed	1/15, 1/7.5, 1/4, 1/2, 1, 2 sec.
AE mode	1/30, 1/60, 1/120, 1/250, 1/500, 1/1000, 1/2000, 1/4000, 1/8000 sec. 1/30 - 1/8000 sec. 1/7.5 - 1/8000 sec.
White balance	ATW, MWB
ON	0 - 42dB
OFF	—
AGC	—
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	—
Privacy mask	—
Mirror image	—
Freeze	—
Motion detection	—
Neg. image	—
Interface	USB (High speed)
Power supply	USB +5V
Power consumption	0.75W (150mA)
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	—
Min. System Requirements	CPU 800MHz or faster RAM 512MB or larger Others USB2.0 Port
Recommended System Specifications	CPU Intel® Core™ i Series 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

Options



*Supporting various transmission system (Please contact us for the details)

*WAT-03U2D with optional lenses are made to order.