# WAT- 06U2D   1/2.8″ USB2.0 Full HD Wearable Color Camera
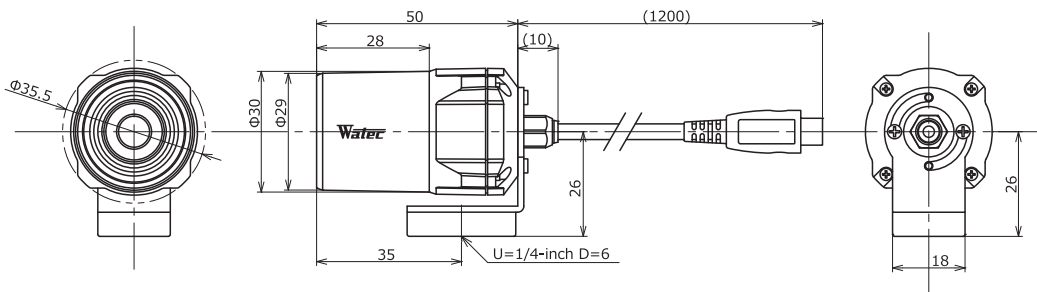
Upgraded the performance from WAT-02U2D

**NEW**



## Key features

- Resolution 1.3 times higher and sensitivity 3.5 times higher than the previous model
- USB Video Class & USB Bus Power (plug & play)
- 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)
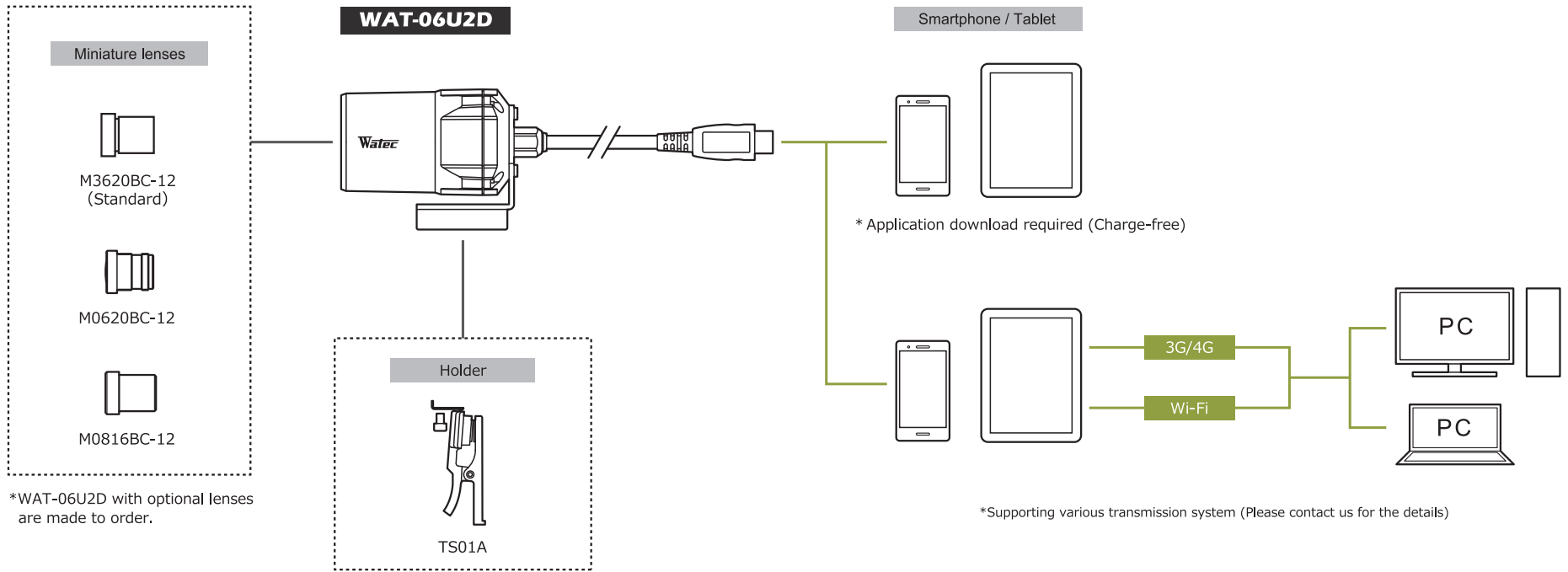
## Dimensions



## 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 | RGB primary color bayer arrangement mosaic filters on chip | | |
| Synchronizing system | Internal | | |
| Scanning system | Progressive | | |
| Output size | 1920x1080, 1280x720, 640x480, 320x240 | | |
| Max. frame rate | 30 fps | | |
| Video compression | MJPG, YUY2 | | |
| Video output | USB Video Class (Compatible) | | |
| Resolution (H) | More than 900TVL (Center) | | |
| 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.) | | |
| 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 | ATW, MWB | | |
| 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 | USB (High speed) | | |
| 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, Android 4.0 or newer | | |

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

**WAT-06U2D**

Miniature lenses

M3620BC-12
(Standard)

M0620BC-12

M0816BC-12

*WAT-06U2D with optional lenses are made to order.

Holder

TS01A

Smartphone / Tablet

* Application download required (Charge-free)

3G/4G

Wi-Fi

PC

PC

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