

# WAT-06U2D 1/2.8" USB2.0 Full HD Wearable Color Camera

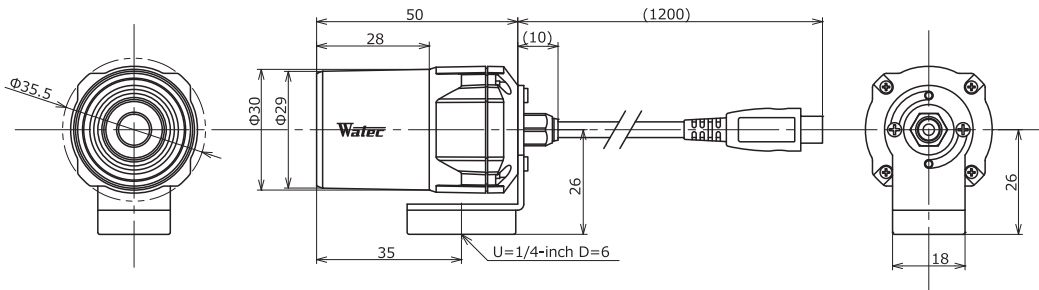
Upgraded the performance from WAT-02U2D



## 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

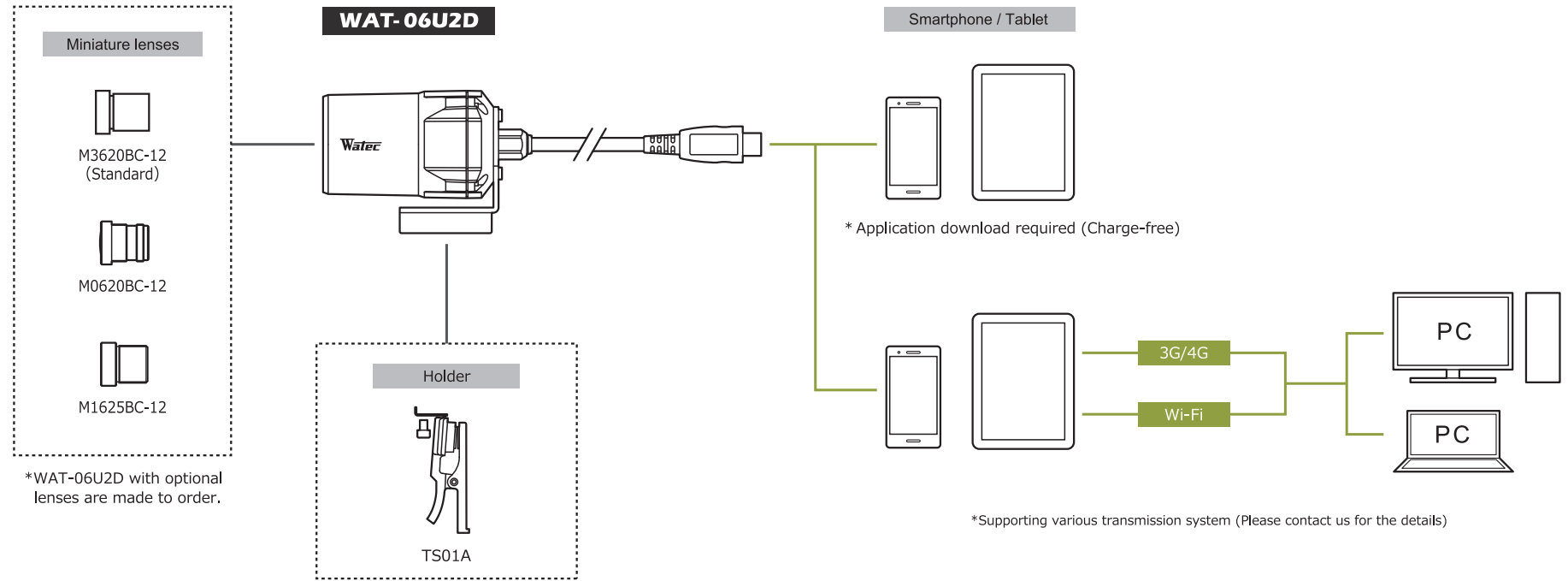


## Specifications

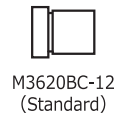
|                                   |  |  |
|-----------------------------------|--|--|
| Pick-up element                   | 1/2.8 inch CMOS image sensor                               |  |
| Number of effective pixels        | 1945(H) × 1097(V)  |  |
| Unit cell size                    | 2.9µm(H) × 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.<br>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°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                       | -  |  |
| 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

Options



Miniature lenses



M3620BC-12 (Standard)



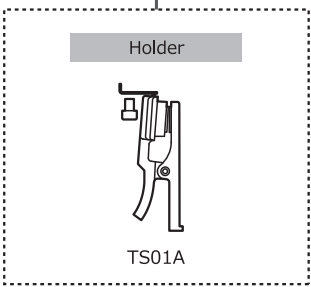
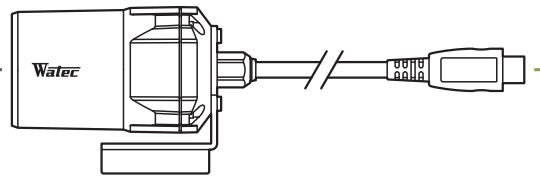
M0620BC-12



M1625BC-12

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

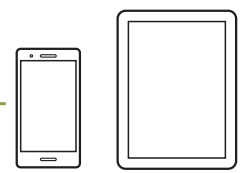
WAT-06U2D



Holder

TS01A

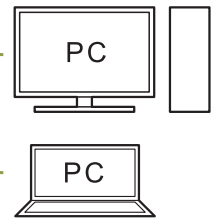
Smartphone / Tablet



\* Application download required (Charge-free)

3G/4G

Wi-Fi



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