

# WAT-250D2 1/3" Compact and High Sensitivity Camera

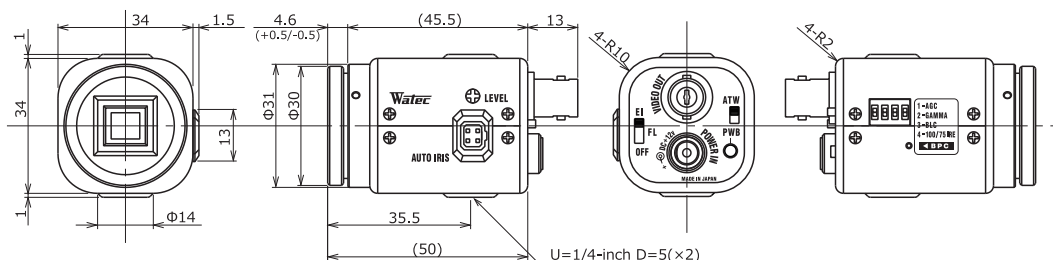
Compact design with all the necessary features inside



## Key features

- Min. illumination 0.02 lx F1.2 (AGC ON=38dB, Shutter=OFF)
- Color-rollingless AWB mode under fluorescent light
- Versatile use for general surveillance, embedded system and part of image processing system
- Flicker suppression electric Iris controls flicker and exposure at the same time
- Selectable white balance and video level, back light compensation & white blemish correction

## Dimensions



## Specifications

|                              |       | NTSC                                                         | PAL                  |
|------------------------------|-------|--------------------------------------------------------------|----------------------|
| Video standard               |       | NTSC                                                         |                      |
| Pick-up element              |       | 1/3 inch interline transfer CCD image sensor                 |                      |
| Number of effective pixels   |       | 768(H) × 494(V)                                              | 752(H) × 582(V)      |
| Unit cell size               |       | 6.35μm(H) × 7.4μm(V)                                         | 6.5μm(H) × 6.25μm(V) |
| Imaging system               |       | Ye, Cy, Mg, and G complementary color mosaic filters on chip |                      |
| Synchronizing system         |       | Internal                                                     |                      |
| Scanning system              |       | 2:1 interlace                                                |                      |
| Video output                 |       | Composite: 1.0 V(p-p) 75Ω (Unbalanced)                       |                      |
| Resolution (H)               |       | More than 540TVL (Center)                                    |                      |
| Minimum illumination         |       | 0.02 lx F1.2 (AGC ON=38dB, Shutter=OFF)                      |                      |
| S/N                          |       | More than 50dB (AGC OFF=0dB, γ=1.0)                          |                      |
| Function settings            |       | DIP Switch                                                   |                      |
| AE mode                      | Fixed | 1/60, 1/100 sec.                                             | 1/50, 1/120 sec.     |
|                              | EI    | 1/60 - 1/100000 sec.                                         | 1/50 - 1/100000 sec. |
| White balance                |       | ATW, PWB                                                     |                      |
| AGC                          | ON    | 0 - 38dB                                                     |                      |
|                              | OFF   | 0dB                                                          |                      |
| MGC                          |       | —                                                            |                      |
| Day/Night                    |       | —                                                            |                      |
| Gamma characteristics        |       | γ≈0.45, 1.0                                                  |                      |
| Video level                  |       | 75IRE, 100IRE                                                |                      |
| Noise reduction              |       | —                                                            |                      |
| Wide dynamic range           |       | —                                                            |                      |
| Lens iris                    |       | Video / DC (EIAJ, Auto-select)                               |                      |
| Back light compensation      |       | BLC                                                          |                      |
| White blemish correction     |       | Up to 32 pixels                                              |                      |
| Sharpness                    |       | —                                                            |                      |
| Defog                        |       | —                                                            |                      |
| Digital zoom                 |       | —                                                            |                      |
| Privacy mask                 |       | —                                                            |                      |
| Mirror image                 |       | —                                                            |                      |
| Freeze                       |       | —                                                            |                      |
| Motion detection             |       | —                                                            |                      |
| Neg.image                    |       | —                                                            |                      |
| Interface                    |       | BNC (Composite Video), Power in                              |                      |
| Power supply                 |       | DC+12V±10%                                                   |                      |
| Power consumption            |       | 1.74W (145mA)                                                |                      |
| Operating temperature        |       | -10 - +50℃                                                   |                      |
| Storage temperature          |       | -30 - +70℃                                                   |                      |
| Operating / Storage humidity |       | 95% RH or less (Without condensation)                        |                      |
| Lens mount                   |       | CS mount (Back focus adjustable)                             |                      |
| Weight                       |       | Approx. 86g                                                  |                      |
| Accessories                  |       | WPDC12 (DC plug), AIG-G (Iris plug), Hex. wrench             |                      |

