

| Type                       | Day & Night Cameras                 |                                   |                                     | Color Cameras                    |                  |                                  |
|----------------------------|-------------------------------------|-----------------------------------|-------------------------------------|----------------------------------|------------------|----------------------------------|
| Model                      | WAT-1000                            | WAT-232S                          | WAT-231S2                           | WAT-221S                         | WAT-250D2        | WAT-600CX                        |
| Pick-up element            | 1/3"                                |                                   |                                     | 1/2"                             | 1/3"             |                                  |
| Effective pixels           | 380k(NTSC) / 440k(PAL)              |                                   |                                     |                                  |                  |                                  |
| Synchronizing system       | Internal                            |                                   |                                     |                                  |                  |                                  |
| Scanning system            | 2:1 interlaced                      |                                   |                                     |                                  |                  |                                  |
| Video output               | Composite 1Vp-p 75Ω (Unbalanced)    |                                   |                                     |                                  |                  |                                  |
| Resolution (H)             | 520TVL<br>V:460TVL                  | 540TVL                            |                                     | 450TVL<br>(Y/C:480TVL)           | 540TVL           |                                  |
| Minimum illumination       | ● 0.1lx. F1.2<br>● 0.003lx. F1.2    | ● 0.02lx. F1.2<br>● 0.002lx. F1.2 | 0.05lx. F1.2                        | 0.1lx. F1.2                      | 0.02lx. F1.2     | 0.02lx. F1.2                     |
| AGC (dB)                   | ON:0-40(HI)<br>0-22(LO)<br>MGC:0-40 | 0-38                              | ON:0-38(HI)<br>0-32(LO)<br>MGC:0-32 | ON:8-36(HI)<br>8-24(LO)<br>OFF:8 | ON:0-38<br>OFF:0 | ON:0-38(HI)<br>0-32(LO)<br>OFF:0 |
| S/N                        | ≥48dB                               | ≥50dB                             |                                     |                                  |                  |                                  |
| Gamma correction           | $\gamma \doteq 0.45 / =1.0$         | $\gamma \doteq 0.45$              | $\gamma \doteq 0.45 / =1.0$         |                                  |                  |                                  |
| Back light compensation    | ON / OFF                            |                                   |                                     |                                  |                  |                                  |
| Electronic iris            | ✓                                   | ✓(2)                              |                                     |                                  |                  |                                  |
| Flickerless                | ✓                                   |                                   |                                     |                                  |                  |                                  |
| Electronic shutter         | Slow:x2-x32                         | OFF / Preset(6)                   |                                     |                                  | OFF / Preset(1)  |                                  |
| White balance              | ATW / PWB /<br>MWB / Preset         | ATW / PWB                         | ATW / PWB /<br>MWB / Preset(4)      |                                  | ATW / PWB        |                                  |
| Lens iris                  | Video / DC                          |                                   |                                     |                                  |                  |                                  |
| Lens mount                 | CS                                  |                                   |                                     |                                  |                  |                                  |
| Standard built-in lens     | -                                   |                                   |                                     |                                  |                  |                                  |
| Angle of view (H)          | -                                   |                                   |                                     |                                  |                  |                                  |
| Power supply               | DC+12V±10%                          |                                   |                                     |                                  |                  | DC+15V                           |
| Power consumption          | 2.28W                               | 2.04W                             | 1.92W                               | 1.86W                            | 1.74W            | 3.3W                             |
| Operating temperature      | -10°C~+50°C                         |                                   |                                     | -10°C~+40°C                      | -10°C~+50°C      |                                  |
| Storage temperature        | -30°C~+70°C                         |                                   |                                     |                                  |                  |                                  |
| Dimensions (mm)<br>(W×H×L) | 46.5×44×66.5                        | 44.5×44×67                        | 44.5×44×64                          | 43.5×44×63.8                     | 36×36×63.8       | 44×44×64                         |
| Weight                     | 155g                                | 150g                              | 160g                                |                                  | 86g              | 140g                             |

| Type                       | Color Cameras                    |  |                                |                 |   |                             |
|----------------------------|----------------------------------|--|--------------------------------|-----------------|---|-----------------------------|
| Model                      | WAT-241                          | WAT-230<br>VIVID                       | WAT-240<br>VIVID               | W-01CDB3        | W-02CDB3                                    | WAT-400D                    |
| Pick-up element            | 1/4"                             |  |                                | 1/3"            |   |                             |
| Effective pixels           | 380k(NTSC) / 440k(PAL)           |  |                                |                 |   |                             |
| Synchronizing system       | Internal                         |  |                                |                 |   |                             |
| Scanning system            | 2:1 interlaced                   |  |                                |                 |   |                             |
| Video output               | Composite 1Vp-p 75Ω (Unbalanced) |  |                                |                 |   |                             |
| Resolution (H)             | 450TVL(G3.8)                     |  |                                | 450TVL          |   |                             |
| Minimum illumination       | 0.6lx. F1.2                      | 1.6lx. F2.0                            |                                | 0.5lx. F1.2     |   | 2.0lx. F1.6                 |
| AGC (dB)                   | 6-30                             |  |                                | 3-24            |   |                             |
| S/N                        | ≥50dB                            |  |                                |                 |   |                             |
| Gamma correction           | $\gamma \doteq 0.45$             |  |                                |                 |   |                             |
| Back light compensation    | ON                               |  |                                | OFF             |   |                             |
| Electronic iris            | ✓                                |  |                                | -               |   |                             |
| Flickerless                | -                                |  |                                | ✓               |   |                             |
| Electronic shutter         | OFF / Preset(1)                  | -                                      |                                | OFF / Preset(8) |   | -                           |
| White balance              | ATW                              |  |                                | ATW / Preset(3) |   | ATW                         |
| Lens iris                  | Video / DC                       | -                                      |                                | Video / DC      | -   |                             |
| Lens mount                 | CS                               | M13 P=1.0                              |                                | CS              | φ 14mm                                      | -                           |
| Standard built-in lens     | -                                | G3.8 (f3.8 F2.0)<br>/ P3.7 (f3.7 F4.5) |                                | -               | f2.8~10 F1.6<br>Valifocal<br>auto iris lens | f2.8 F1.6<br>Auto iris lens |
| Angle of view (H×V)        | -                                | 53° × 40° (G3.8)                       |                                | -               | Wide: 97.1° × 73.2°<br>Tele: 27.4° × 20.6°  | 99.5° × 73.2°               |
| Power supply               | DC+12V±10%                       | DC+6V±10%                              |                                | DC+12V±10%      |   | DC+15V±10%                  |
| Power consumption          | 0.96W                            | 1.02W                                  |                                | 1.2W            | 1.26W                                       | 2.03W                       |
| Operating temperature      | -10°C~+40°C                      |  |                                |                 |   | -10°C~+50°C                 |
| Storage temperature        | -30°C~+70°C                      |  |                                |                 |   |                             |
| Dimensions (mm)<br>(W×H×L) | 35.5×36×62.4                     | 36×30×29(G3.8)<br>36×30×13(P3.7)       | φ 18×65(G3.8)<br>φ 18×49(P3.7) | 42×42×20.7      | 42×42×57                                    | φ 72×116                    |
| Weight                     | 82g                              | 28g                                    | 175 g                          | 35 g            | 55 g  | 900 g                       |

| Type                       | Monochrome Cameras                        |                                   |                                  |                                  |                                   |   |
|----------------------------|---|-----------------------------------|----------------------------------|----------------------------------|-----------------------------------|---|
| Model                      | WAT-902H <sub>2</sub><br>ULTIMATE         | WAT-902H <sub>3</sub><br>ULTIMATE | WAT-902H <sub>2</sub><br>SUPREME | WAT-902H <sub>3</sub><br>SUPREME | WAT-902B                          | WAT-535EX2                              |
| Pick-up element            | 1/2"                                      | 1/3"                              | 1/2"                             | 1/3"                             | 1/2"                              | 1/3"                                    |
| Effective pixels           | 380k(EIA) / 440k(CCIR)                    |                                   |                                  |                                  |                                   |   |
| Synchronizing system       | Internal                                  |                                   |                                  |                                  |                                   | Internal / External                     |
| Scanning system            | 2:1 interlaced                            |                                   |                                  |                                  |                                   |   |
| Video output               | Composite 1Vp-p 75Ω (Unbalanced)          |                                   |                                  |                                  |                                   |   |
| Resolution (H)             | 570TVL                                    |                                   |                                  |                                  |                                   |   |
| Minimum illumination       | 0.0001lx. F1.4                            | 0.0002lx. F1.4                    | 0.0003lx. F1.4                   | 0.0005lx. F1.4                   | 0.003lx. F2.0                     | 0.003lx. F1.4                           |
| AGC (dB)                   | 5-60(HI)<br>5-32(LO)<br>MGC:5-60          |                                   | 5-50(HI)<br>5-32(LO)             |                                  | ON:5-32(HI)<br>5-20(LO)<br>OFF:10 | ON:5-32(HI)<br>5-20(LO)<br>MGC:5-32(HI) |
| S/N                        | ≥50dB                                     |                                   | ≥46dB                            |                                  | ≥50dB                             | ≥54dB                                   |
| Gamma correction           | $\gamma \doteq 0.35 / \doteq 0.45 / =1.0$ |                                   | $\gamma \doteq 0.45$             |                                  | $\gamma \doteq 0.45 / =1.0$       |   |
| Back light compensation    | ON(3) / OFF                               |                                   | ON                               |                                  | ON / OFF                          | ON                                      |
| Electronic iris            | ✓(2)                                      |                                   | ✓                                |                                  |                                   |   |
| Flickerless                | ✓   |                                   |                                  |                                  |                                   |   |
| Electronic shutter         | OFF / Preset(7)                           |                                   | OFF                              |                                  |                                   | OFF / Preset(7)                         |
| White balance              | —   |                                   |                                  |                                  |                                   |   |
| Lens iris                  | Video / DC                                |                                   |                                  |                                  | Video                             | Video / DC                              |
| Lens mount                 | CS  |                                   |                                  |                                  |                                   |   |
| Standard built-in lens     | —   |                                   |                                  |                                  |                                   |   |
| Angle of view (H)          | —   |                                   |                                  |                                  |                                   |   |
| Power supply               | DC+12V±10%                                |                                   |                                  |                                  |                                   |   |
| Power consumption          | 1.32W                                     | 1.26W                             | 1.98W                            | 1.86W                            | 1.74W                             | 1.08W                                   |
| Operating temperature      | -10°C~+40°C                               |                                   |                                  |                                  |                                   | -10°C~+50°C                             |
| Storage temperature        | -10°C~+70°C                               |                                   |                                  |                                  |                                   | -30°C~+70°C                             |
| Dimensions (mm)<br>(W×H×L) | 35.9×40×63                                |                                   | 35.5×36×63                       |                                  | 35.5×36×58                        | 43.5×44×53.5                            |
| Weight                     | 98 g                                      |                                   | 90 g                             |                                  |                                   | 125 g                                   |

| Type                           | Monochrome Cameras               |                                    |   |  |                                    |
|--------------------------------|----------------------------------|------------------------------------|---|--|------------------------------------|
| Model                          | WAT-137LH                        | WAT-902HB2S                        | WAT-120N+                                 | WAT-660D                                 | WAT-704R                           |
| Pick-up element                | 1/3"                             | 1/2"                               |   | 1/4"                                     |                                    |
| Effective pixels               | 380k(EIA) / 440k(CCIR)           |                                    |   | 250k(EIA) / 290k(CCIR)                   |                                    |
| Synchronizing system           | Internal / Line-lock             | Internal                           | Internal                                  |  |                                    |
| Scanning system                | 2:1 interlaced                   |                                    |   |  |                                    |
| Video output                   | Composite 1Vp-p 75Ω (Unbalanced) |                                    |   |  |                                    |
| Resolution (H)                 | 570TVL                           |                                    | 570TVL<br>V:480TVL(EIA)<br>570TVL(CCIR)   | 400TVL                                   | 380TVL                             |
| Minimum illumination           | 0.002lx. F1.4                    | 0.0003lx. F1.4                     | 0.00002lx. F1.4                           | 0.06lx. F2.0                             | 0.08lx. F2.0                       |
| AGC (dB)                       | 5-42                             | ON:5-50(HI)<br>5-32(LO)<br>OFF:5dB | MGC:8-38                                  | 5-32                                     |                                    |
| S/N                            | ≥50dB                            |                                    | ≥52dB                                     | ≥50dB                                    | ≥46dB                              |
| Gamma correction               | $\gamma \doteq 0.45$             | $\gamma \doteq 0.45 / =1.0$        | $\gamma \doteq 0.35 / \doteq 0.45 / =1.0$ | $\gamma \doteq 0.45$                     |                                    |
| Back light compensation        | ON                               | ON / OFF                           | —   | ON                                       |                                    |
| Electronic iris                | ✓                                |                                    | —   | ✓  |                                    |
| Flickerless                    | ✓                                |                                    | —   |  |                                    |
| Electronic shutter             | OFF                              | OFF / Preset(7)                    | —   |  |                                    |
| White balance                  | —                                |                                    |   |  |                                    |
| Lens iris                      | Video / DC                       | Video                              | Video / DC                                | —  |                                    |
| Lens mount                     | CS                               |                                    |   | M13 P=1.0                                |                                    |
| Standard built-in lens         | —                                |                                    |   | G3.8(f3.8 F2.0) / P3.7(f3.8 F4.5)        |                                    |
| Angle of view (H)              | —                                |                                    |   | 51° × 40°                                |                                    |
| Power supply                   | DC+12V±10%<br>AC24V±10%          | DC+12V±10%                         |   | DC+9V±10%                                |                                    |
| Power consumption              | 2.58W(DC12)<br>2.04W(AC24)       | 1.92W                              | 2.16W                                     | 0.855W                                   | 0.945W                             |
| Operating temperature          | -10°C~+40°C                      |                                    |   |  |                                    |
| Storage temperature            | -10°C~+70°C                      |                                    |   |  |                                    |
| Dimensions (mm)<br>(W × H × L) | 43.5 × 44 × 66                   | 40 × 40 × 20.7                     | 43.5 × 44 × 63                            | 36 × 30 × 29(G3.8)<br>36 × 30 × 13(P3.7) | φ 18 × 51(G3.8)<br>φ 18 × 37(P3.7) |
| Weight                         | 140 g                            | 25 g                               | 150 g<br>(Controller:210g)                | 35 g                                     | 25 g                               |