



1/1.8" F2.0 C Mount

|                              |   |   |                     |                 | Working distance | Optical Magnification | 1/1.8" Field of View(mm) |       |
|------------------------------|---|---|---------------------|-----------------|------------------|-----------------------|--------------------------|-------|
| Focal Length                 |   | f=6mm                                   |                     |                 | mm               |                       | H                        | V     |
| F/NO                         |   | F=1:2.0-C                               |                     |                 | 900              | 0.007X                | 1026                     | 769.5 |
| Image Size                   |   | 1/1.8"(7.2x5.32mm)                      | 1/2.5"(5.76x4.32mm) | 1/3"(4.8x3.6mm) | 850              | 0.007X                | 969.8                    | 727.3 |
| Angle FOV                    | H | 59.6°                                   | 48.7°               | 41.9°           | 800              | 0.008X                | 913.5                    | 685.2 |
|                              | V | 46°                                     | 36.5°               | 31.4°           | 750              | 0.008X                | 857.3                    | 643   |
|                              | D | 69.8°                                   | 60.9°               | 52.4°           | 700              | 0.009X                | 801.1                    | 600.8 |
| Object Dimension at WD.300mm | H | 360mm                                   | 288mm               | 240mm           | 650              | 0.009X                | 744.9                    | 558.6 |
|                              | V | 265mm                                   | 216mm               | 180mm           | 600              | 0.010X                | 688.6                    | 506.5 |
|                              | D | 447mm                                   | 360mm               | 300mm           | 550              | 0.011X                | 632.4                    | 474.3 |
| Distortion (TV)              |   | <0.1%                                   |                     |                 | 500              | 0.012X                | 576.2                    | 432.1 |
| Focus distance(min)          |   | 0.1m                                    |                     |                 | 450              | 0.014X                | 519.9                    | 389.9 |
| Flange back                  |   | 17.526mm in air                         |                     |                 | 400              | 0.015X                | 480                      | 353.3 |
| Back focus                   |   | 11.6mm in air                           |                     |                 | 350              | 0.017X                | 423.5                    | 311.8 |
| Filter screw size            |   | M25.5xP0.5                              |                     |                 | 300              | 0.020X                | 360                      | 265   |
| Front/Rear Effective Dia     |   | Front $\phi$ 18.12mm Rear $\phi$ 5.81mm |                     |                 | 250              | 0.024X                | 300                      | 220.9 |
| Mount                        |   | C-Mount                                 |                     |                 | 200              | 0.030X                | 240                      | 176.7 |
| Temperature Range            |   | -10~+50°C                               |                     |                 | 150              | 0.039X                | 184.6                    | 135.9 |
| Storage Temperature Range    |   | -20~+60°C                               |                     |                 | 100              | 0.058X                | 124.1                    | 91.4  |

|    |    |       |            |   |    |     |                 |    |     |
|----|----|-------|------------|---|----|-----|-----------------|----|-----|
| △5 | 2  | CHP   | 2021,08,16 | TOLERANCE:<br>LINEARITY TOLERANCES ±0.05<br>ANGULAR TOLERANCES ARE±30°<br>DRAFT ANGLES AREA±0.5°/SIDE |    | 三角法 | 材料(环保)          | 单位 | 比例  |
| △4 | 2  | 朱周德   | 2017,09,14 |   |    |     | ---             | mm | 2:1 |
| △3 | 1  | 朱周德   | 2017,09,11 | 设计  |    | 名称  | BTCH-FA0601C-5M |    | 页码  |
| △2 | 1  | 朱周德   | 2016,06,08 | 校对  |    |     |                 | 代号 | 1/1 |
| △1 | 1  | 朱周德   | 2015,11,26 | 审核  |    |     |                 |    | 版本  |
| 标记 | 处数 | 更改文件号 | 担当         | 变更日期  | 批准 |     |                 |    | V5  |