



| 1/1.8" F2.0 C Mount          |   |                                     |                     | Working distance | Optical Magnification | 1/1.8" Field of View(mm) |       |       |
|------------------------------|---|-------------------------------------|---------------------|------------------|-----------------------|--------------------------|-------|-------|
| Focal Length                 |   | f=12mm                              |                     | mm               |                       | H                        | V     |       |
| F/NO                         |   | F=1:2.0-C                           |                     | 900              | 0.013X                | 538.7                    | 404   |       |
| Image Size                   |   | 1/1.8"(7.2×5.32mm)                  | 1/2.5"(5.76×4.32mm) | 1/3"(4.8×3.6mm)  | 850                   | 0.014X                   | 509   | 381.7 |
| Angle FOV                    | H | 33.0°                               | 27.2°               | 22.9°            | 800                   | 0.015X                   | 479.3 | 359.5 |
|                              | V | 24.3°                               | 20.7°               | 17.6°            | 750                   | 0.016X                   | 449.6 | 337.2 |
|                              | D | 40.7°                               | 33.3°               | 28.1°            | 700                   | 0.017X                   | 419.9 | 314.9 |
| Object Dimension at WD.300mm | H | 182.5mm                             | 147.3mm             | 122.7mm          | 650                   | 0.018X                   | 390.3 | 292.7 |
|                              | V | 136.9mm                             | 110.5mm             | 92.0mm           | 600                   | 0.020X                   | 360.6 | 270.4 |
|                              | D | 228.2mm                             | 180.1mm             | 153.5mm          | 550                   | 0.022X                   | 330.9 | 248.2 |
| Distortion (TV)              |   | <0.3%                               |                     | 500              | 0.024X                | 301.2                    | 225.9 |       |
| Focus distance(min)          |   | 0.1m                                |                     | 450              | 0.026X                | 271.5                    | 203.6 |       |
| Flange back                  |   | 17.526mm in air                     |                     | 400              | 0.030X                | 241.8                    | 181.4 |       |
| Back focus                   |   | 12.5mm in air                       |                     | 350              | 0.034X                | 212.1                    | 159.1 |       |
| Filter screw size            |   | M25.5×P0.5                          |                     | 300              | 0.039X                | 182.4                    | 136.8 |       |
| Front/Rear Effective Dia     |   | Front $\phi$ 15.2mm Rear $\phi$ 6mm |                     | 250              | 0.047X                | 152.7                    | 114.5 |       |
| Mount                        |   | C-Mount                             |                     | 200              | 0.058X                | 123                      | 92.3  |       |
| Temperature Range            |   | -10~+50°C                           |                     | 150              | 0.077X                | 93.3                     | 70    |       |
| Storage Temperature Range    |   | -20~+60°C                           |                     | 100              | 0.113X                | 63.7                     | 47.8  |       |

|    |    |       |    |   |     |            |        |              |     |
|----|----|-------|----|---|-----|------------|--------|--------------|-----|
|    |    |       |    | TOLERANCE :<br>LINEARITY TOLERANCES $\pm$ 0.05<br>ANGULAR TOLERANCES ARE $\pm$ 30'<br>DRAFT ANGLES AREA $\pm$ 0.5°/SIDE |     |            | 材料(环保) | 单位           | 比例  |
|    |    |       |    |   |     |            | ---    | mm           | 2:1 |
|    |    |       |    | 设计  | 朱周德 | 2015-07-29 | 名称     | RZ1201C5 规格图 | 页码  |
|    |    |       |    | 校对  |     |            |        |              | 1/1 |
|    |    |       |    | 审核  |     |            | 代号     |              | 版本  |
|    |    |       |    | 批准  |     |            |        |              | V2  |
| 标记 | 处数 | 更改文件号 | 担当 | 变更日期  |     |            |        |              |     |