



| 1/1.8" F2.0 C Mount          |   |                                       |                     | Working distance | Optical Magnification | 1/1.8" Field of View(mm) |       |
|------------------------------|---|---------------------------------------|---------------------|------------------|-----------------------|--------------------------|-------|
| Focal Length                 |   | f=35mm                                |                     | mm               |                       | H                        | V     |
| F/NO                         |   | F=1:2.0~C                             |                     | 1000             | 0.036X                | 201.6                    | 151.2 |
| Image Size                   |   | 1/1.8"(7.2x5.32mm)                    | 1/2.5"(5.76x4.32mm) | 1/3"(4.8x3.6mm)  | 950                   | 0.037X                   | 143.5 |
| Angle FOV                    | H | 8.8°                                  | 8.84°               | 7.4°             | 900                   | 0.040X                   | 181.1 |
|                              | V | 7.0°                                  | 6.7°                | 5.5°             | 850                   | 0.042X                   | 170.1 |
|                              | D | 12.24°                                | 11.1°               | 9.3°             | 800                   | 0.045X                   | 160.5 |
| Object Dimension at WD.300mm | H | 57.9mm                                | 46.5mm              | 38.7mm           | 750                   | 0.048X                   | 150.3 |
|                              | V | 43.4mm                                | 34.9mm              | 29.0mm           | 700                   | 0.051X                   | 140.0 |
|                              | D | 72.4mm                                | 58.1mm              | 48.4mm           | 650                   | 0.055X                   | 129.8 |
| Distortion (TV)              |   | <0.1%                                 |                     | 600              | 0.060X                | 119.5                    | 89.6  |
| Focus distance(min)          |   | 0.2m                                  |                     | 550              | 0.066X                | 109.2                    | 81.9  |
| Flange back                  |   | 17.526mm in air                       |                     | 500              | 0.073X                | 99.0                     | 74.2  |
| Back focus                   |   | 19mm in air                           |                     | 450              | 0.081X                | 88.7                     | 66.5  |
| Filter screw size            |   | M25.5xP0.5                            |                     | 400              | 0.092X                | 78.4                     | 58.8  |
| Front/Rear Effective Dia     |   | Front $\phi$ 15.7mm Rear $\phi$ 8.5mm |                     | 350              | 0.105X                | 68.2                     | 51.1  |
| Mount                        |   | C-Mount                               |                     | 300              | 0.124X                | 57.9                     | 43.4  |
| Temperature Range            |   | -10~+50°C                             |                     | 250              | 0.151X                | 47.6                     | 35.7  |
| Storage Temperature Range    |   | -20~+60°C                             |                     | 200              | 0.193X                | 37.3                     | 28.0  |

|   |    |       |    |                |    |              |  |     |    |
|---|----|-------|----|----------------|----|--------------|--|-----|----|
| TOLERANCE :<br>LINEARITY TOLERANCES $\pm$ 0.05<br>ANGULAR TOLERANCES ARE $\pm$ 30'<br>DRAFT ANGLES AREA $\pm$ 0.5°/SIDE |    |       |    | 三角法            |    | 材料(环保)       |  | 单位  | 比例 |
|   |    |       |    | ---            |    | mm           |  | 2:1 |    |
| 设计 朱周德  |    |       |    | 2016-05-16     |    | 名称           |  | 页码  |    |
| 校对  |    |       |    |                |    | FA3501C规格图   |  | 1/1 |    |
| 审核  |    |       |    |                |    | 代号           |  | 版本  |    |
| 1   |    |       |    | 朱周德 2016,06,08 |    | FA3501C-SPEC |  | V1  |    |
| 标记  | 处数 | 更改文件号 | 担当 | 变更日期           | 批准 |              |  |     |    |