



| 1/1.8" F2.0 C Mount          |   |                                       |                     | Working distance | Optical Magnification | 1/1.8" Field of View(mm) |       |       |
|------------------------------|---|---------------------------------------|---------------------|------------------|-----------------------|--------------------------|-------|-------|
| Focal Length                 |   | f=16mm                                |                     |                  | mm                    |                          | H     | V     |
| F/NO                         |   | F=2.0-C                               |                     |                  | 900                   | 0.018X                   | 403.5 | 302.6 |
| Image Size                   |   | 1/1.8"(7.2x5.32mm)                    | 1/2.5"(5.76x4.32mm) | 1/3"(4.8x3.6mm)  | 850                   | 0.019X                   | 381   | 285.8 |
| Angle FOV                    | H | 24.7°                                 | 20.6°               | 17.4°            | 800                   | 0.020X                   | 358.6 | 268.9 |
|                              | V | 18.2°                                 | 15.8°               | 13.5°            | 750                   | 0.021X                   | 336.2 | 252.1 |
|                              | D | 30.3°                                 | 25.2°               | 21.3°            | 700                   | 0.023X                   | 313.8 | 235.3 |
| Object Dimension at WD.300mm | H | 134.4mm                               | 107.7mm             | 89.0mm           | 650                   | 0.025X                   | 291.3 | 218.5 |
|                              | V | 100.8mm                               | 80.8mm              | 66.7mm           | 600                   | 0.027X                   | 268.9 | 201.7 |
|                              | D | 167.9mm                               | 134.6mm             | 112.2mm          | 550                   | 0.029X                   | 216.5 | 184.9 |
| Distortion (TV)              |   | <0.1%                                 |                     |                  | 500                   | 0.032X                   | 224.1 | 168   |
| Focus distance(min)          |   | 0.1m                                  |                     |                  | 450                   | 0.036X                   | 201.6 | 151.2 |
| Flange back                  |   | 17.526mm in air                       |                     |                  | 400                   | 0.040X                   | 179.2 | 134.4 |
| Back focus                   |   | 12.7mm in air                         |                     |                  | 350                   | 0.046X                   | 156.8 | 117.6 |
| Filter screw size            |   | M25.5xP0.5                            |                     |                  | 300                   | 0.054X                   | 134.4 | 100.8 |
| Front/Rear Effective Dia     |   | Front $\phi 15.2$ mm Rear $\phi 6$ mm |                     |                  | 250                   | 0.064X                   | 111.9 | 83.9  |
| Mount                        |   | C-Mount                               |                     |                  | 200                   | 0.080X                   | 89.5  | 67.1  |
| Temperature Range            |   | -10~+50°C                             |                     |                  | 150                   | 0.107X                   | 67.1  | 50.3  |
| Storage Temperature Range    |   | -20~+60°C                             |                     |                  | 100                   | 0.162X                   | 44.6  | 33.5  |

|    |  |    |  |   |  |     |  |              |  |    |     |
|----|--|----|--|---|--|-----|--|--------------|--|----|-----|
|    |  |    |  | TOLERANCE :<br>LINEARITY TOLERANCES $\pm 0.05$<br>ANGULAR TOLERANCES ARE $\pm 30'$<br>DRAFT ANGLES AREA $\pm 0.5^\circ$ /SIDE |  | 三角法 |  | 材料(环保)       |  | 单位 | 比例  |
|    |  |    |  |   |  | --- |  | ---          |  | mm | 2:1 |
|    |  |    |  | 设计 朱周德 2015-11-11   |  | 名称  |  | FA1601C规格图   |  | 页码 |     |
|    |  |    |  | 校对  |  | 代号  |  | FA1601C-SPEC |  | 版本 |     |
|    |  |    |  | 审核  |  |     |  |              |  | V2 |     |
|    |  |    |  | 批准  |  |     |  |              |  |    |     |
| 标记 |  | 处数 |  | 更改文件号   |  | 担当  |  | 变更日期         |  |    |     |