



| 1/1.8" F2.0 C Mount | | | | Working distance | Optical Magnification | 1/1.8" Field of View(mm) | | |
|------------------------------|----------------------|---------------------|--------------------|------------------|-----------------------|--------------------------|-------|-------|
| Focal Length | f=25mm | | | mm | | H | V | |
| F/NO | F=1:2.0~C | | | 900 | 0.028X | 254.4 | 190.8 | |
| Image Size | 1/1.8"(7.2x5.32mm) | 1/2.5"(5.76x4.32mm) | 1/3"(4.8x3.6mm) | 850 | 0.030X | 240.1 | 180.1 | |
| Angle FOV | H | 13.6° | 13.4° | 11.4° | 800 | 0.032X | 225.7 | 169.3 |
| | V | 11.3° | 10.3° | 8.8° | 750 | 0.034X | 211.4 | 158.5 |
| | D | 19° | 16.2° | 13.8° | 700 | 0.036X | 197 | 147.8 |
| Object Dimension at WD.500mm | H | 139.6mm | 112.1mm | 93.4mm | 650 | 0.039X | 182.6 | 137 |
| | V | 104.7mm | 84.1mm | 70mm | 600 | 0.043X | 168.3 | 126.2 |
| | D | 174.5mm | 140.1mm | 116.7mm | 550 | 0.047X | 153.9 | 115.4 |
| Distortion (TV) | <0.1% | | | 500 | 0.051X | 139.6 | 104.7 | |
| Focus distance(min) | 0.1m | | | 450 | 0.057X | 125.2 | 93.9 | |
| Flange back | 17.526mm in air | | | 400 | 0.065X | 110.8 | 83.1 | |
| Back focus | 13.7mm in air | | | 350 | 0.074X | 96.5 | 72.3 | |
| Filter screw size | M25.5xP0.5 | | | 300 | 0.088X | 82.1 | 61.6 | |
| Front/Rear Effective Dia | Front $\phi 15.2$ mm | | Rear $\phi 6.6$ mm | 250 | 0.106X | 67.7 | 50.8 | |
| Mount | C-Mount | | | 200 | 0.135X | 53.3 | 40 | |
| Temperature Range | -10~+50°C | | | 150 | 0.186X | 38.9 | 29.2 | |
| Storage Temperature Range | -20~+60°C | | | 100 | 0.296X | 24.4 | 18.3 | |

| | | TOLERANCE: | | 三角法 | | 材料(环保) | | 单位 | 比例 | |
|---------------|----|------------|------------|--|-----|------------|----|-----------------|-----|--|
| $\triangle 4$ | 2 | 朱周德 | 2017,09,14 | LINEARITY TOLERANCES ± 0.05 ANGULAR TOLERANCES ARE $\pm 30'$ DRAFT ANGLES AREA $\pm 0.5^\circ$ /SIDE | | --- | | mm | 2:1 | |
| $\triangle 3$ | 1 | 朱周德 | 2017,09,11 | 设计 | 朱周德 | 2015-07-20 | 名称 | BTCH-FA2501C-5M | | |
| $\triangle 2$ | 1 | 朱周德 | 2016,06,08 | 校对 | | | | 代号 | 1/1 | |
| $\triangle 1$ | 1 | 朱周德 | 2015,12,24 | 审核 | | | | | 版本 | |
| 标记 | 处数 | 更改文件号 | 担当 | 变更日期 | 批准 | | | V4 | | |