



Lens Specification

| NO | SPECIFICATIONS | PARAMETER | |
|----|------------------------------|-------------------------------|------------------------|
| 1 | Model Name | HR0105A | |
| 2 | Sensor | 1/2.7" (5.27mmx3.69mmx6.59mm) | |
| 3 | Pixel Size | 3.3μm | |
| 4 | Image Circle(Max.) | 6.6mm | |
| 5 | EFFL(Effective Focal Length) | 16.04±0.1mm | |
| 6 | F-Number | 6.4±5% | |
| 7 | TTL(Total Length) | 21.04±0.1mm | |
| 8 | FBL(Flange Back Length) | 7.11mm | |
| 9 | BFL(Back Focal Length) | 11.82mm | |
| 10 | View Angle | Diagonal | 23.4° (2Y'=6.59mm) |
| | | Horizontal | 18.8° (2Y'=5.27mm) |
| | | Vertical | 14.2° (2Y'=3.96mm) |
| 11 | MTF 100lp/mm(T/S) | Center | 38.2%@150lp/mm |
| | | 0.7Field | T31.6%,S43.4%@120lp/mm |
| | | 0.9Field | T28.3%,S37.1%@100lp/mm |
| 12 | Distortion | Optical | <0.17% |
| | | TV(Trad.) | <0.11% |
| 13 | Relative Illumination | 1.0Field | >91%(2Y'=6.6mm) |
| 14 | Chief Ray Angle(Max.) | | <8.3° |
| 15 | Lateral Color(Max.) | | <0.53μm |
| 16 | IR Filter Thickness | | 1.3mm |
| 17 | Object Distance | | 30cm-1nf |
| 18 | Therad | | M12.00xP0.50 |
| 19 | Operating Temperature | | -20~+80°C |
| 20 | Storage Temperature | | -20~+80°C |

| | | | | | | | | | |
|----|----|----|------|----|--|-----|---|------|-----|
| | | | | |  江西高瑞光电股份有限公司 | | | | |
| | | | | | 比例 | 4:1 |  | 页码 | 1/1 |
| | | | | | 重量 | (g) | 材料 | | |
| 标记 | 处数 | 区域 | 更改内容 | 担当 | 时间 | 名称 | HR0105规格书 | REV. | |
| 承认 | 审核 | 工艺 | 设计 | 时间 | | 编号 | HR0105A-SPEC | A0 | |