

Allwinner V3/V3s Lens Support List
General Description:

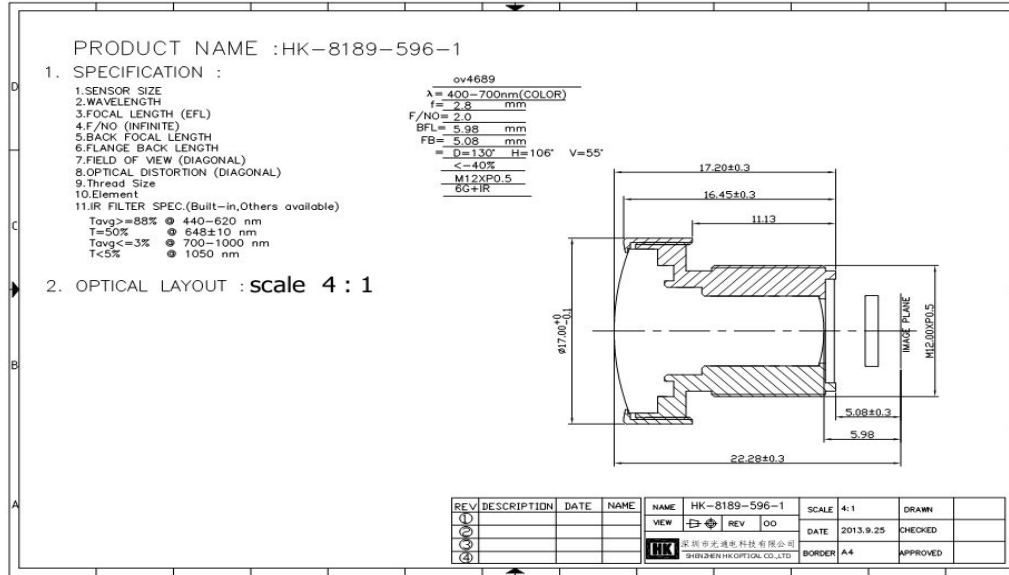
- 1.The purpose of this document is the guide of G-sensor selection for customer using our solution.
- 2.There are some G-sensor modules that not mentioned here. Since that is an universal device. So you can test it by yourself before mass production or
3. Please directly copy our PCB G-sensor Part Template and follow our PCB Layout Guide.

| Abbr. | Definition |
|-------|-----------------------------------|
| X | Do Not Support |
| N/T | Not Tested and Uncertain |
| D/S | Datasheet Support |
| S/T | Sample Tested |
| √ | Sample Tested and Mass Production |

| VENDOR | PART NUMBER | Sensor Supported and tested | hor_visual_angle | ver_visual_angle | EFL(mm) | F/NO | Element | Status |
|-------------|--------------|-----------------------------|------------------|------------------|---------|---------|---------|--------|
| 华科 | HK-8189-596 | OV2710 | 120 | 66 | 2.8 | 2.0 | 6G+IR | S/T |
| | | OV4689 | 108 | 56 | | | | |
| | | AR0330 | 106 | 55 | | | | |
| | | NT99231 | 108 | 56 | | | | |
| | HK-8214C-596 | GC1004/GC1014 | 85 | 46 | 2.5 | 2.6 | 4G+IR | S/T |
| | | JX-H22/JX-H42 | 85 | 46 | | | | |
| | | AR0330 | 77 | 40 | | | | |
| HK-8211-386 | AR0330 | 100 | 53 | 3.2 | 2.0 | 4G1P+IR | S/T | |
| 台亦 | FL-G364A | OV2710 | 124 | 68 | 2.7 | 1.9 | 6G+IR | S/T |
| | | OV4689 | 110 | 58 | | | | |
| | | AR0330 | 108 | 57 | | | | |
| 世大光电 | ST_4056_A1 | OV2710 | 112 | 62 | 3.15 | 2.0 | 6G+IR | S/T |
| | | OV4689 | 96 | 52 | | | | |
| | | AR0330 | 94 | 51 | | | | |
| | ST_6123_A1 | OV2710 | 100 | 53 | 3.55 | 2.2 | 4G1P+IR | S/T |
| | | OV4689 | 84 | 46 | | | | |
| | | AR0330 | 82 | 45 | | | | |
| 特莱斯 | TRC-2018D1 | OV2710 | 128 | 68 | 3.1 | 2.0 | 6G+IR | S/T |
| | | AR0330 | 110 | 59 | | | | |
| | TRC-2018H1 | OV2710 | 128 | 68 | 3.1 | 2.2 | 6G+IR | S/T |
| | | AR0330 | 110 | 59 | | | | |
| | TRC-2026D1 | OV2710 | 104 | 54 | 3.6 | 2.0 | 4G1P+IR | S/T |
| | | AR0330 | 89 | 47 | | | | |
| | TRC-2026H1 | OV2710 | 104 | 54 | 3.6 | 2.0 | 4G1P+IR | S/T |
| | | AR0330 | 89 | 47 | | | | |
| 联合光电 | T3025-B | OV2710 | 113 | 61 | 3.1 | 2.0 | 6G+IR | S/T |
| | | AR0330 | 94 | 51 | | | | |
| 长步道 | CV0121A | OV9732 | 72 | 40 | 2.8 | 2.0 | 4G+IR | S/T |

备注

1. FL-G364A、HK-8189-596和TRC-2018D1尺寸和效果相近，可相互替代。
2. 需将方案对应的hor_visual_angle与ver_visual_angle的值填到isp配置文件isp_tuning_param.ini（或头文件）的对应项中，以保证阿凡达算法准确性。



| 世大光電(ST Lens) | | 行車記錄器 專用鏡頭 | | | | | 2013/10/01更新 | | | | | |
|---|-------------|------------|-----------|-----------|---------------|---------------|---------------|---------------|--------------|-------------|-------------|------------------|
| 傳感器 (sensor) | 型號 (model) | 有效焦距 (EFL) | 光圈 (F/NO) | 角度 (DFOV) | 角度 (HFOV) | 變型量(DIST) | 總長(TT) | 牙型/前外徑 | 構成 (Element) | 機械背焦 (FB) | 工作溫度 儲存溫度 | 像數 (Pixels) |
| 1/2.5" (ϕ 7.2) (OV5100等等) (7.13*5.7*4.28) | ST 6099 A1 | 3.60 | 3.00 | 143 | 102 | -67(-35%) | 14.30 | M12 ϕ 14 | 4G1P | 3.59 | 65°C / 85°C | 5M (1080P) |
| | ST 6097 A6 | 3.35 | 2.80 | 142 | 107 | -65(-38%) | 20.85 | M12 ϕ 14 | 4G1P | 4.37 | 65°C / 85°C | |
| | ST 6097 A7 | 3.35 | 2.40 | 142 | 107 | -65(-38%) | 20.85 | M12 ϕ 14 | 4G1P | 4.37 | 65°C / 85°C | |
| | ST 6123 A1 | 3.55 | 2.20 | 130 | 100 | -54(-32%) | 22.15 | M12 ϕ 14 | 4G1P | 5.14 | 70°C / 85°C | |
| | ST 4014 P7 | 3.50 | 2.00 | 130 | 100 | -55(-34%) | 21.79 | M12 ϕ 14 | 4G | 3.93 | 70°C / 85°C | |
| | ST 4014 P9 | 3.50 | 2.00 | 130 | 100 | -55(-34%) | 21.79 | M12 ϕ 14 | 4G | 3.93 | 70°C / 85°C | |
| 1/2.7" (ϕ 6.7) (OV2710/12/15等等) (6.7*5.85*3.27) | ST 6097 A10 | 3.35 | 2.40 | 130 | 110 | -54(-38%) | 20.85 | M12 ϕ 15 | 4G1P | 4.37 | 65°C / 85°C | 2M (1080P) |
| | ST 4056 A1 | 3.15 | 2.00 | 128 | 112 | -49(-36%) | 21.83 | M12 ϕ 14 | 6G | 4.99 | 70°C / 85°C | |
| | ST 6131 A1 | 3.80 | 2.20 | 125 | 98 | -54(-34%) | 16.82 | M12 ϕ 14 | 4G1P | 4.01 | 70°C / 85°C | |
| | ST 6099 A1 | 3.60 | 3.00 | 125 | 101 | -52(-34%) | 14.30 | M12 ϕ 14 | 4G1P | 3.59 | 65°C / 85°C | |
| | ST 6123 A1 | 3.55 | 2.20 | 120 | 100 | -46(-32%) | 22.15 | M12 ϕ 14 | 4G1P | 5.14 | 70°C / 85°C | |
| | ST 4014 P7 | 3.50 | 2.00 | 120 | 102 | -46(-34%) | 21.79 | M12 ϕ 14 | 4G | 3.93 | 70°C / 85°C | |
| 1/3.2" (ϕ 5.85) AR0330 /0331 (5.82*5.07*2.85)(5.63*4.5*3.38) OV5653 (5.85*4.6*3.42) | ST 4014 P13 | 3.50 | 2.00 | 120 | 102 | -46(-33%) | 21.79 | M12 ϕ 14 | 4G | 4.63 | 70°C / 85°C | 3M&5M (1080P) |
| | ST 6089 A2 | 2.70 | 2.60 | 145 | 119/105 | -67(-45/-35%) | 20.07 | M12 ϕ 14 | 4G1P | 3.27 | 65°C / 85°C | |
| | ST 6127 A2 | 2.70 | 2.60 | 137 | 116/103 | -58(-43/-34%) | 21.19 | M12 ϕ 14 | 4G1P | 3.39 | 70°C / 85°C | |
| | ST 4056 A2 | 3.15 | 2.40 | 110 | 94 / 85 | -35(-24/-21%) | 21.83 | M12 ϕ 14 | 6G | 4.99 | 70°C / 85°C | |
| | ST 6097 A2 | 3.35 | 2.40 | 110 | 91 / 83 | -38(-26/-21%) | 20.85 | M12 ϕ 15 | 4G1P | 4.37 | 65°C / 85°C | |
| | ST 6099 A1 | 3.60 | 3.00 | 102 | 86 / 78 | -35(-23/-20%) | 14.30 | M12 ϕ 14 | 4G1P | 3.59 | 65°C / 85°C | |
| | ST 4014 P11 | 3.50 | 2.00 | 103 | 86 / 80 | -34(-23/-20%) | 21.76 | M12 ϕ 14 | 4G | 3.83 | 70°C / 85°C | |
| | ST 6123 A1 | 3.55 | 2.20 | 98 | 82 / 77 | -32(-22/-18%) | 22.15 | M12 ϕ 14 | 4G1P | 5.14 | 70°C / 85°C | |
| ST 6131 A1 | 3.80 | 2.20 | 98 | 82 / 75 | -34(-24/-20%) | 16.82 | M12 ϕ 14 | 4G1P | 4.01 | 70°C / 85°C | | |

