



Allwinner A83T Camera Support List

General Description:

- 1.The purpose of this document is the guide of camera selection for customer using our solution.
- 2.There are some camera modules that not mentioned here. Since that is an universal device. So you can test it by yourself
3. Since camera is high speed device. Please directly copy our PCB camera 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 |

| 芯片厂 | 分辨率 | 型号 | I2C | 接口 | 格式 | AVDD | IOVDD | DVDD | AFVCC | AF/FF | VCM Driver | Status |
|-------------|------|--------|------|----------|-----|------|-------|------|-------|-------|------------|--------|
| Galaxy Core | 0.3M | gc0308 | 0x42 | Parallel | YUV | 2.8 | 2.8 | 1.8 | | FF | | D/S |
| | 0.3M | gc0329 | 0x62 | Parallel | YUV | 2.8 | 2.8 | 1.8 | | FF | | D/S |
| | 0.3M | gc0328 | 0x42 | Parallel | YUV | 2.8 | 2.8 | 1.8 | | FF | | D/S |
| | 0.3M | gc0307 | 0x42 | Parallel | YUV | 2.8 | 2.8 | 1.8 | | FF | | D/S |
| | 0.3M | gc0311 | 0x66 | Parallel | YUV | 2.8 | 2.8 | 1.8 | | FF | | D/S |
| | 0.3M | gc0312 | 0x42 | Parallel | YUV | 2.8 | 2.8 | 1.8 | | FF | | D/S |
| | 2M | gc2235 | 0x78 | Parallel | RAW | 2.8 | 2.8 | 1.8 | | FF | | D/S |
| | 2M | gc2015 | 0x78 | Parallel | YUV | 2.8 | 2.8 | 1.8 | | FF | | D/S |



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|----------|------|--------|------|-------------------|-----|-----|---------|-----|--|-----------|--|-----|
| | 2M | gc2145 | 0x78 | Parallel | YUV | 2.8 | 1.8 | 1.8 | | FF | | D/S |
| | 2M | gc2155 | 0x78 | Parallel | YUV | 2.8 | 2.8 | 1.8 | | FF | | D/S |
| | 2M | gc2035 | 0x78 | Parallel | YUV | 2.8 | 2.8 | 1.8 | | FF | | D/S |
| | 2M | gt2005 | 0x78 | Parallel | YUV | 2.8 | 2.8 | 1.8 | | FF | | D/S |
| | 5M | gs5604 | 0x78 | Parallel | YUV | 2.8 | 2.8 | 1.8 | | AF/F F | | D/S |
| | 5M | gc5004 | 0x6C | Parallel/ MIPI | RAW | 2.8 | 2.8 | 1.8 | | AF/F F | | D/S |
| superpix | 0.3M | sp0838 | 0x30 | Parallel | YUV | 2.8 | 2.8 | 1.8 | | FF | | D/S |
| | 0.3M | sp0718 | 0x42 | Parallel | YUV | 2.8 | 2.8 | 1.8 | | FF | | D/S |
| | 2.0M | sp2519 | 0x60 | Parallel | YUV | 2.8 | 2.8 | 1.8 | | FF | | D/S |
| | 2.0M | sp2518 | 0x60 | Parallel | YUV | 2.8 | 2.8 | 1.8 | | FF | | S/T |
| | 2.0M | sp2508 | 0x78 | Parallel | RAW | 2.8 | 2.8 | 1.8 | | FF | | D/S |
| | 5.0M | sp5408 | 0x6C | Parallel | RAW | 2.8 | 2.8 | 1.8 | | AF/F F | | D/S |
| | 5.0M | sp5409 | 0x6C | MIPI | RAW | 2.8 | 2.8 | 1.8 | | AF/F F | | D/S |
| | 0.3M | ov7736 | 0x42 | Parallel | YUV | 2.8 | 1.8 | 1.5 | | FF | | D/S |
| | 2.0M | ov2640 | 0x60 | Parallel | YUV | 2.8 | 2.8 | 1.3 | | FF | | D/S |
| | 2.0M | ov2686 | 0x20 | Parallel | YUV | 2.8 | 2.8/1.8 | 1.8 | | FF | | D/S |



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|---------|------|--------|------|-------------------|-----|-----|---------|-----|--|-----------|--|-----|
| OV | 5M | ov5640 | 0x78 | Parallel | YUV | 2.8 | 2.8 | 1.5 | | AF | | D/S |
| | 5M | ov5650 | 0x6C | Parallel/ MIPI | RAW | 2.8 | 2.8 | 1.5 | | AF | | D/S |
| | 5M | ov5647 | 0x6C | Parallel/ MIPI | RAW | 2.8 | 2.8 | 1.5 | | AF | | D/S |
| | 5M | ov5648 | 0x6C | MIPI | RAW | 2.8 | 2.8 | 1.5 | | AF | | D/S |
| | 8M | ov8820 | 0x6C | MIPI | RAW | 2.8 | 2.8/1.8 | 1.5 | | AF | | D/S |
| | 8M | ov8825 | 0x6C | MIPI | RAW | 2.8 | 2.8/1.8 | 1.5 | | AF | | D/S |
| | 8M | ov8850 | 0x20 | MIPI | RAW | 2.8 | 2.8/1.8 | 1.2 | | AF | | D/S |
| | 8M | ov8858 | 0x6C | MIPI | RAW | 2.8 | 2.8/1.8 | 1.2 | | AF | | S/T |
| Hynix | 2.0M | hi253 | 0x40 | Parallel | YUV | 2.8 | 2.8 | 1.8 | | FF | | D/S |
| | 2.0M | hi257 | 0x40 | Parallel | YUV | 2.8 | 2.8 | 1.8 | | FF | | D/S |
| BYD | 0.3M | bf3a03 | 0xDC | Parallel | YUV | 2.8 | 2.8 | 1.8 | | FF | | D/S |
| | 2.0M | bf3920 | 0xDE | Parallel | YUV | 2.8 | 2.8 | 1.8 | | FF | | D/S |
| Samsung | 5M | s5k4ec | 0x5A | Parallel/ MIPI | YUV | 2.8 | 2.8 | 1.2 | | AF | | D/S |
| | 5M | s5k4e1 | 0x20 | Parallel/ MIPI | RAW | 2.8 | 2.8 | 1.8 | | AF | | D/S |
| | 5M | s5k5e2 | 0x20 | MIPI | RAW | 2.8 | 2.8/1.8 | 1.2 | | AF/F F | | D/S |
| | 8M | s5k3h7 | 0x5A | MIPI | RAW | 2.8 | 2.8/1.8 | 1.2 | | AF | | D/S |



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|---------|------|--------|------|----------|-----|-----|---------|-----|--|----|--|-----|
| | 8M | s5k4h5 | 0x6C | MIPI | RAW | 2.8 | 2.8/1.8 | 1.2 | | AF | | D/S |
| Himax | 2.0M | hm2058 | 0x48 | Parallel | YUV | 2.8 | 2.8 | 1.8 | | FF | | D/S |
| | 5M | hm5040 | 0x36 | MIPI | RAW | 2.8 | 2.8 | 1.2 | | AF | | D/S |
| | 5M | hm5065 | 0x3E | Parallel | YUV | 2.8 | 2.8 | 1.8 | | AF | | D/S |
| | 8M | hm8030 | 0x20 | MIPI | RAW | 2.8 | 1.8 | 1.2 | | AF | | D/S |
| | 8M | hm8131 | 0x68 | MIPI | RAW | 2.8 | 2.8 | 1.5 | | AF | | D/S |
| Toshiba | 5M | t8et5 | 0x78 | Parallel | RAW | 2.8 | 2.8 | 1.8 | | AF | | D/S |
| | 8M | t4k05 | 0x6C | MIPI | RAW | 2.8 | 2.8/1.8 | 1.8 | | AF | | D/S |
| Sony | 8M | imx219 | 0x20 | MIPI | RAW | 2.8 | 1.8 | 1.2 | | AF | | D/S |