

目录

OV5640 SVM Camera

Main Features

Camera Images

User Instruction

.....

.....

.....

.....

3

3

3

3

OV5640 SVM Camera

Main Features

- CMOS $\square$ ov5640
- Serializer: MAX9295 $\square$ (optional: MAX96717/F)
- Resolution/framerate $\square$ 1920*1080@20fps $\square$ 720p@30fps and etc., configurable. $\square$
- Color format: YUV422-8bit or RAW $\square$
- Default: 3Gbps, gmsl2.

Camera Images

$\square$ Images are for reference only, may change without prior notification)



User Instruction

Note: Different versions have the same functionality, but there are slight design differences. Please refer to the documentation for details.

1. Hardware check and configuration

Camera default setup: GMSL2, 6Gbps, i2c address:0x80 If needed, the serializer can be replace with MAX96717 or MAX96717F.

2. GMSL Camera Debug

- OV5640 support different color format and resolution.
- YYTech provide 720p, 1080p and VGA config script, other resolution, please refer ov5640 data sheet.
- YYTech driver only support color format:YUV422.

Please pay special attention:

- The serializer need to set to 2-lane mipi.
- The serializer MAX96717F supports 3Gbps, GMSL2 only, make sure the de-serializer set to compatible mode.

Other configuration, please refer: [Basic steps to drive a GMSL camera.](#)

3. Reference configuration

Please contact us: [Technical Support](#)

From: <https://wiki.yytech.cc/> - YYT Docs

Permanent link: <https://wiki.yytech.cc/doku.php?id=en:%E6%91%84%E5%83%8F%E5%A4%B4%E5%8F%8A%E8%A7%86%E9%A2%91%E6%BA%90:gmsl2%E6%91%84%E5%83%8F%E5%A4%B4:ov5640%E7%8E%AF%E8%A7%86%E7%9B%B8%E6%9C%BA>

Last update: 2025/10/03 13:03

