

STC-OX08BC-5300-GMSL2

Supertek 8MP GMSL2 Camera Module



SPECIFICATION

Sensor	OmniVision 8.3MP OX08B40 RGGB
ISP	GW5300
Image Size	1/1.73 inch CMOS
Output Pixels	3840H*2160V
Pixel Size	2.1um * 2.1um
Frame Rate	3840*2160@30fps
HDR Support	Yes
Output data	YUV422@8bit
Serializer	MAXIM MAX9295A
Camera Interface	GMSL2
Power Supply	9-16V POC
Current	<400mA@12VDC
Connector	Amphenol Fakra (Z Code)
Operating temp.range	-40~+85℃
Waterproof	Refer to the lens
Dimension	W: 40mm, L: 40mm, H: 23mm
Weight	<80g
LFM	Yes

For more information relating to cameras, please send us email via sales@supertekmodule.com, or visit our website www.supertekmodule.com

Model and Lens							
Model	HFOV	VFOV	F.No	EFL	Waterproof	Max Optical Distortion	Process specification
STC-OX08BC-5300-GMSL2-H30S1	30°	16°	1.6	15.3mm	IP67	-2.7%	M16
STC-OX08BC-5300-GMSL2-H30S1A	30°	16°	1.6	15.3mm	IP67	-2.7%	AA
STC-OX08BC-5300-GMSL2-H60S	60°	33°	1.8	7.87mm	IP67	-14%	M12
STC-OX08BC-5300-GMSL2-H60SA	60°	33°	1.8	7.87mm	IP67	-14%	AA
STC-OX08BC-5300-GMSL2-H120Y	120°	66°	1.6	4.01mm	IP67	-57.9%	M16
STC-OX08BC-5300-GMSL2-H120YA	120°	66°	1.6	4.01mm	IP67	-65.21%	AA
STC-OX08BC-5300-GMSL2-H120S1A	120°	55°	1.8	5.1mm	IP5X	-55%	AA
STC-OX08BC-5300-GMSL2-H120Y1A	120°	55°	1.8	5.1mm	IP5X	-65%	AA

Serializer	
Model	Max9295A
I2C Address	0x80 (8bit address)
Rate	GMSL2 (6G bps)

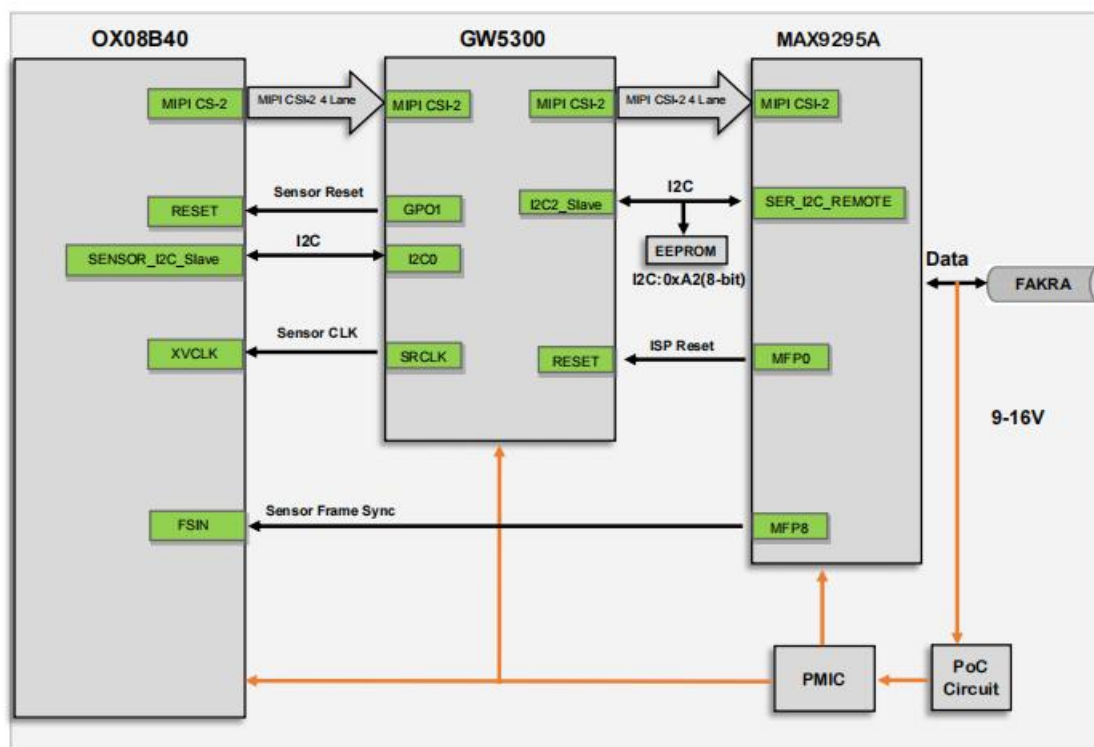
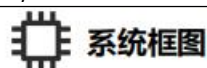
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ISP	
Model	GW5300
I2C Address	0xDA (8bit address)
Reset	Controlled by Max9295A MFP0
Sensor	
Model	OX08B40
I2C Address	0x6c (8bit address)
Frame Sync	Controlled by Max9295A MFP8

Features

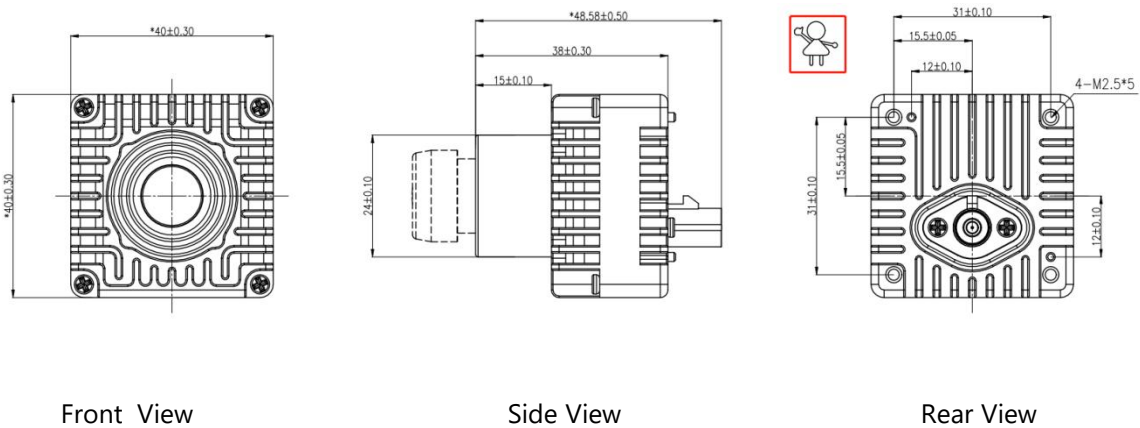
1. Output RAW data
2. Vehicle Protection Registration
3. Support external triggering
4. Multi Camera Synchronization
5. Supports different focal length lenses
6. FCC, CE and RoHS certification

Block Diagram



系统框图

PRODUCT DIMENSION



Note:



1. This icon indicates the imaging direction is positive.
2. This size has different heights, with different lenses, specifically refer to the 3D digital analog size