

SerDes Camera to USB Converter

GENERAL DESCRIPTION

SerDes Camera to USB Converter is designed by Shenzhen SENSING technology Co.,Ltd., which can convert SerDes camera signal into USB3.0 interface without loss. It can supports FPDLink, GMSL2, V-by-one.



KEY PARAMETERS

Deserializer	See page 3
Resolution supported	See page 3
frame rate	See page 3
interface of input	Up to 2-CH FAKRA 12bit RAW or 8bit YUV
compressed?	NO
Interface of output	USB3.0
Camera Connector	FAKRA Z TYPE
Trigger mode	Support external trigger
communication	Support R/W register (Only via SensingCaptureV2.exe)
Conversion time SerDes to USB delay	<5ms
OS Supported	Windows or Linux / Standard V4L2
Power Supply	By USB port
Current	Box <500mA
Temp.	-40 ~ +85°C
Dimensions	UVC box: 62mm(W), 87mm(L), 33mm (H)
Material	Metal

Features

- Uncompressed video acquisition
- R/W camera register through I2C
- Multi-Camera Synchronization Support;
- Update camera firmware for Sony, Onsemi, OV

Application

- Autonomous Driving&machine
- Video Capture
- Laboratory
- USB camera

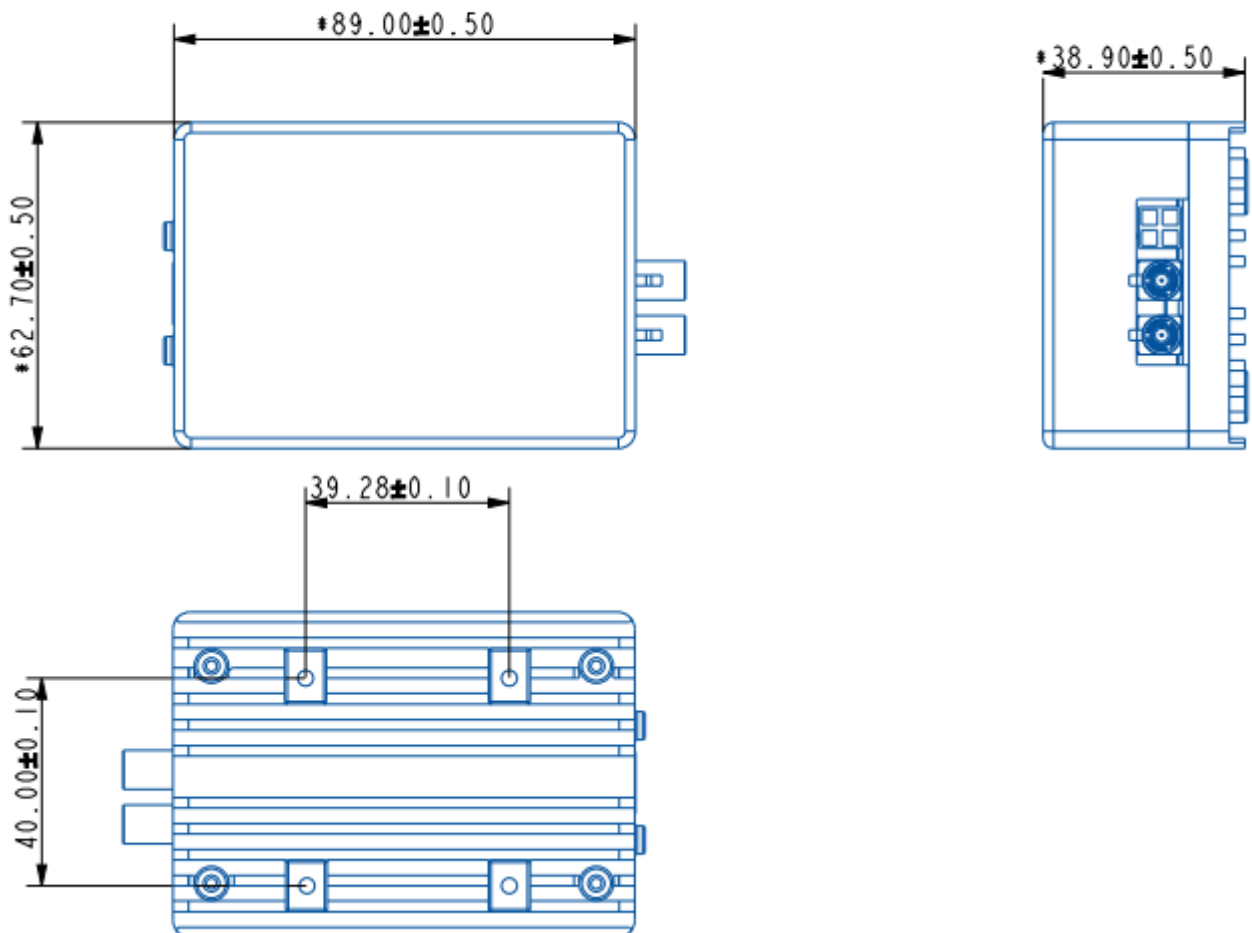


Product models

Model	Deserializer	Resolution and max fps	Data Format	Video Compressed
SG8-U30-FPDLink	FPDLink III DS90UB954	<2MP@30fps <3MP@30fps	YUV422/RAW	NO
SG8-U30-GMSL2	GMSL2 MAX9296A	<2MP@60fps <3MP@30fps	YUV422/RAW	NO
SG8-U30-Vbyone	V-by-one THCV244	2MP@30fps	YUV422/RAW	NO

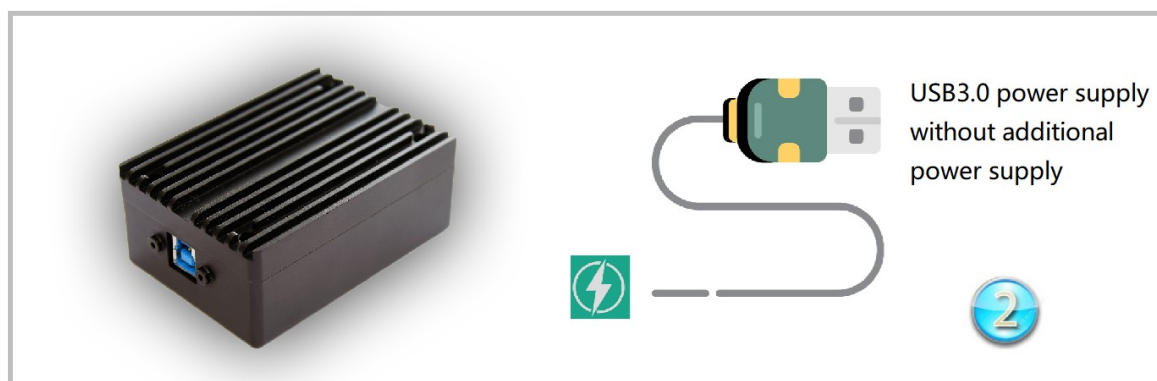
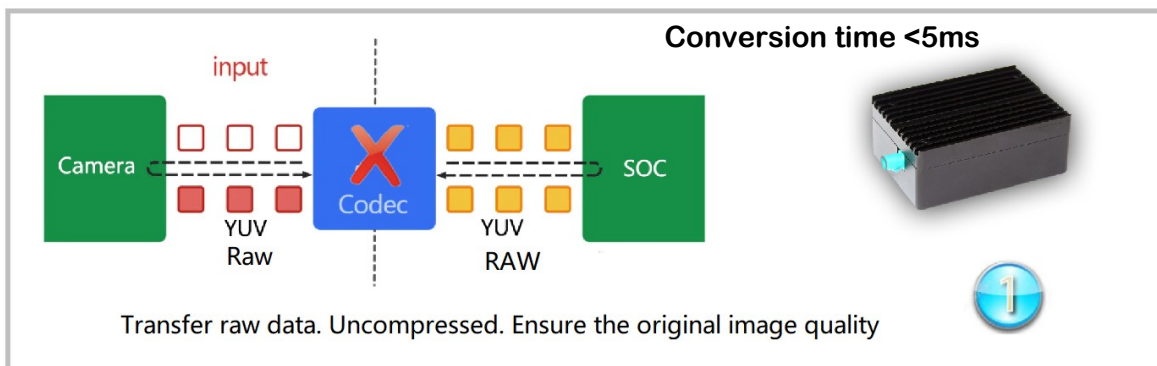


DIMENSIONS






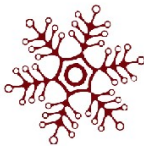


PRODUCT ADVANTAGES



3 Standard UVC protocol, drive free installation

ubuntu 

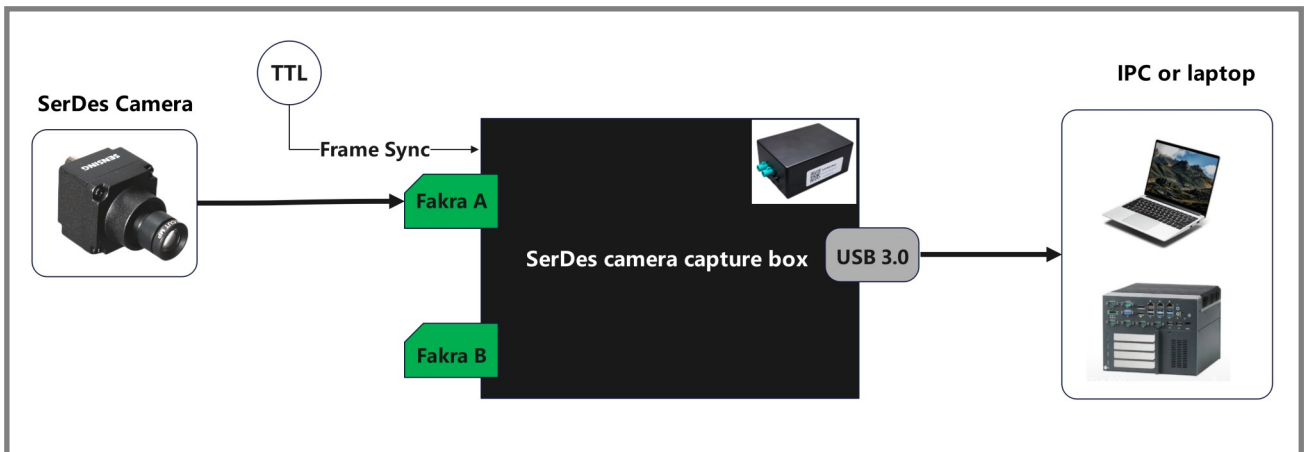
Automotive grade level device, meeting the strict working environment



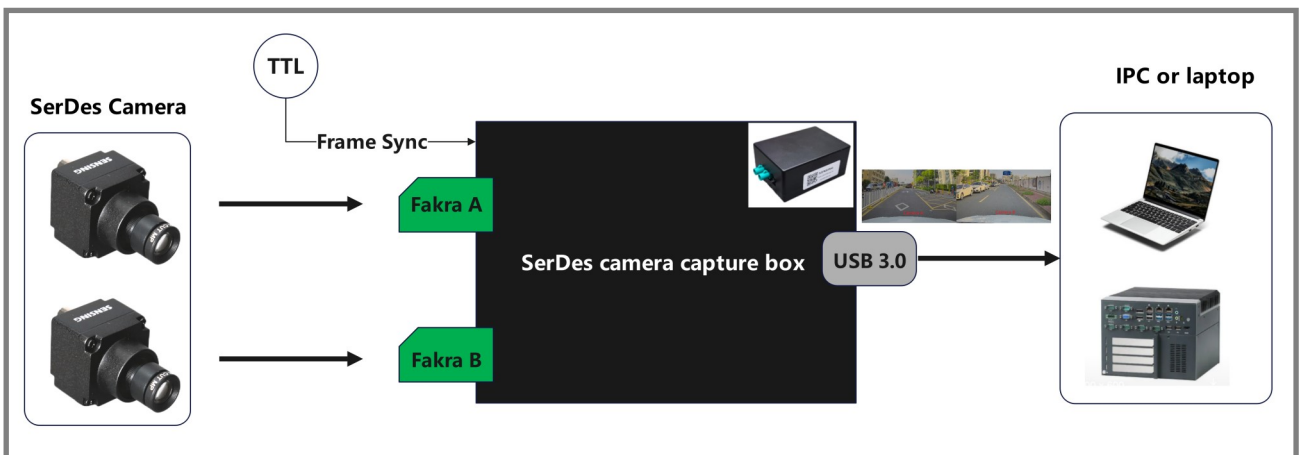


Application

Camera laboratory test , road video capture or autonomous machine



Connection mode 1



Connection mode 2
(Use limited cameras only)

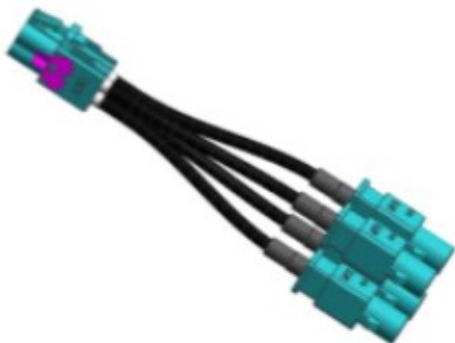




ACCESSORIES

→ Coaxial Cable

Product Name	Order PN#	Specification
Mini-fakra Coaxial Cable 4-in-1 (TE)	T4JC-JS-ZZZZ-0500A	Mini-fakra, 4 in 1, 0.5m, Male to Female
Mini-fakra Coaxial Cable 4-in-1 (Rosenberg)	R4PC-JS-ZZZZ-0500L	Mini-fakra, 4 in 1, 0.5m, Male to Female
Mini-fakra Coaxial Cable 4-in-1 (Rosenberg)	R4JC-JS-ZZZZ-0500L	Mini-fakra, 4 in 1, 0.5m, Female to Female
Camera coaxial Cable	SG-JSZPSZ2000L	2M, Male to Female, IP67
Camera coaxial Cable	SG-JSZJSZ2000L	2M, Female to Female, IP67
Camera coaxial Cable	SG-JSZPSZ3000L	3M, Male to Female, IP67
Camera coaxial Cable	SG-JSZJSZ3000L	3M, Female to Female, IP67
Camera coaxial Cable	SG-JSZPSZ5000L	5M, Male to Female, IP67
Camera coaxial Cable	SG-JSZJSZ5000L	5M, Female to Female, IP67
Camera coaxial Cable	SG-JSZJSZ7000L	7M, Female to Female, IP67
Camera coaxial Cable	SG-JSZJSZ8000L	8M, Female to Female, IP67
Camera coaxial Cable	SG-JSZPSZL100L	10M, Male to Female, IP67
Camera coaxial Cable	SG-JSZJSZL100L	10M, Female to Female, IP67
Camera coaxial Cable	SG-JSZJSZL120L	12M, Female to Female, IP67
Camera coaxial Cable	SG-JSZJSZL160L	16M, Female to Female, IP67
Camera coaxial Cable	SG-JSZJSZL200L	20M, Female to Female, IP67





Contact Us

ShenZhen SENSING Technology Co.,Ltd.

HQ Address: 8/F,block B, building 1,wisdom home,No.76,Baohe Avenue,Baolong street, Longgang District, Shenzhen

Phone: +86-755-28990915

Email: Sales@sensing-world.com

Company Website: www.sensing-world.com

Online Message: <https://www.sensing-world.com/lxwm>



WECHAT



SKYPE



WhatsApp

