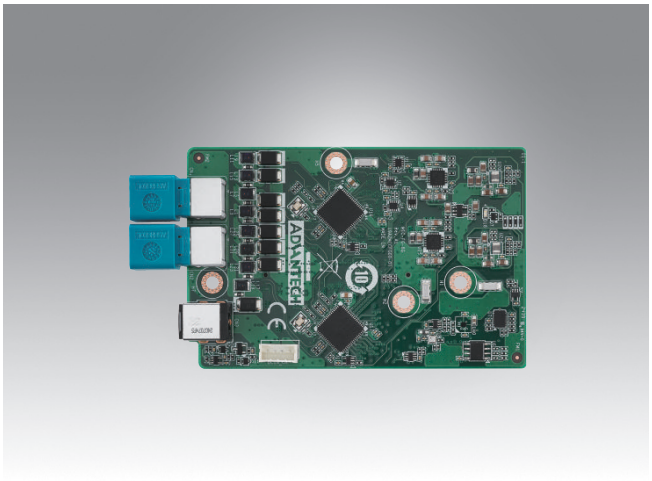
MIC-FG-8G

8-port GMSL2 frame grabber with mini FAKRA



Features

- Supports up to 8 GMSL2 cameras
- Supports Internal 12 V_{DC} power supply
- Supports up to 4K, 30FPS
- With IMU on card is suitable for industrial robots, multi-camera systems, and production lines applications
- V4l2, Gstreamer, Python support on Linux

Specifications

GMSL	Compatibility	GMSL2
	Main Chip	MAX96712
	Speed	6 Gbps
	No. of Ports	8
	Port Connector	Mini Fakra
	Video Format	YUV444, YUV422, YUV420
	Bus Interface	MIPI CSI-2, D-Phy V1.2 compliant
Power Requirements	Input Voltage	Internal 12 V_{DC} power supply
	Overload Current Protection	Present
	Output Power	Power over coax, 12 VDC Max. 6W per channel
Environment	Operating Temperature	-15 ~ 75°C (5 ~ 167°F)
	Storage Temperature	-20 ~ 80°C (-4 ~ 176°F)
	Operating Humidity	5 ~ 95% RH
Mechanics	Dimensions (L x W x H)	Main board: 60 x 92 x 1.6 mm Daughter board: 60 x 74.4 x 1.6 mm
	Weight	Main board: 200g Daughter board: 60g
Certification	Compliance	FCC CE Class A
Supported Platforms		Jetson Thor platform (All product series) Jetson AGX Orin (MIC-732)

Ordering information

Part Number	Description
MIC-FG-8G2C1	8-port GMSL video capture card with mini FAKRA connectors, board-to-board interface

Optional

Category	Part Number	Description	Quantity
Cable	1751000758-01	RF Cable MINI FAKRA B-Z/F FAKRA-Z/M 1x4 BLK L300	2
	1751000805-01	RF Cable FAKRA-Z/F FAKRA-Z/F KS302 BLK L15M	by camera quantity
	1700026907-01	Cable 1x4P-2.0/1x4P-2.0 10CM (Internal power cable for Thor platform)	1
	1700036237-01	Cable 1x4P-2.0/1x4P-2.54x2 50CM (Internal power cable for MIC-732)	1

All product specifications are subject to change without notice.
Last updated: 19-Oct-2026