

flexmedia XM

QCSG2TC1

Quad Channel GMSL2 Camera Simulator

The Flexmedia XM QCSG2TC1 module is a versatile video generator based on the Analog Devices GMSL2 serializer.

It can be used to generate and transmit multimedia digital streams to multimedia digital receivers compatible with MAX96717 serializer.

The QCSG2TC1 module is ideally suited for test applications in the automotive industry:

- Multi-camera driver assistance systems
- Designed for burn-in and stress test



Functions & Features

- MAX96717 serializer over coaxial
- 4 independent channels
- Phantom voltage measure/load
- Video output: internal serializer pattern generator only
- GPIO support
- Bidirectional sideband communication support
- Quad-XM size: 4x single Flexmedia XM module slots
- Programmable I/O trigger

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INFOTAINMENT HEAD UNIT



Features	Specifications
Analog Devices Serializer	Analog Devices MAX96717 GMSL2 Serializer, able to transmit a GMSL2 video serial output from the internal pattern generator only
Max supported voltage	20 VDC
Max supported current	500 mA
Max load power per channel	3 W
Current load per channel	Nominal: 200 mA @ 15V 3W 300 mA @ 15V 4.5W all channels simultaneously single channel Overload, pulsed: programmable 1-3 A @ 5-20 V, max 45W, max 100-300ms, max 3 attempts spaced by 1s
I/O Connectors: ✓ Front side ✓ Rear side	4 x SMB connector, 50 Ω 1 x RJ-45 (8P8C) PoE 1 x MCX receptacle, 50 Ω

General Specifications	Value
Control interface	10/100/1000 Mbps Ethernet connection - Configurable IP address (static or DHCP)
Power Supply	PoE IEEE 802.3af
Input Voltage	22 - 57 VDC
Input Current	max 500 mA (fuse-protected)
Input Power	max 13W
Power Class	0 (max 13W)
Dimensions	43mm x 99mm x 221mm
Weight	860g
Environmental:	Operating: 5°C to 40°C Storage: -5°C to 60°C

Control Interfaces					
Command Line Interface	Web Server	C#/C++ SDK	GUI	LabVIEW	Supernova/TestStand
✓	✓	✓			