

flexmedia XM

APIX3TD1

APIX®3 Multimedia Stream Programmable Generator

The Flexmedia XM APIX3TD1 is a versatile video generator based on the Inova Semiconductors APIX®3 serializer.

It can be used to generate and transmit multimedia digital streams to multimedia digital receivers compatible with INAP592T.

The APIX3TD1 module is ideally suited for test applications in the automotive industry:

- Automotive infotainment
- Multi-camera driver assistance systems
- Automotive satellite RADAR & LIDAR modules



Functions & Features

- 12 Gb/s INAP592T serializer over (dual) twisted pair
- Dual-link or Single-link up to 6Gb/s per link
- Fully supported chipset functions
- HDCP™ support
- Pixel-perfect reference pattern generator
- Programmable frame size, synchs & porches
- Customizable video frame content from image files
- Still frame and circular buffer movie modes
- Real-time adjustable overlays
- Video pixel depth: 24 bits
- Optional arbitrary audio generator
- Bidirectional sideband communication support
- 10/100BASE-T Ethernet completely independent
- Gigabit Ethernet control interface

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| Features | Specifications |
|---------------------|---|
| INAP592T Serializer | Inova Semiconductors INAP592T serializer, able to transmit a single or dual-link APIX [®] 3 multimedia serial output |
| Pixel Clock | Up to 200 MHz - Accuracy 20 ppm |
| I/O Connectors: | |
| ✓ Front side | 1 x Rosenberger HSD [®] , 100 Ω 1 x RJ-45 (8P8C) |
| ✓ Rear side | 1 x RJ-45 (8P8C) PoE |

| 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 - 52 VDC |
| Input Current | max 500 mA (fuse-protected) |
| Input Power | max 8W |
| Power Class | 0 (max 13W) |
| Dimensions | 24mm x 43mm x 141mm |
| Weight | 180g |
| Environmental: | Operating: 5°C to 40°C Storage: -5°C to 60°C |

| Interfacing Methods | | | | |
|------------------------|------------|-----|---------|---------------------|
| Command Line Interface | C#/C++ SDK | GUI | LabVIEW | Supernova/TestStand |
| ✓ | ✓ | ✓ | ✓ | ✓ |