

Standalone OEM Module for ASI to/from IP Conversion

- Converts ASI to IP or IP to ASI
- Parallel TS port
- UDP, RTP, 2D FEC (SMPTE-2022)

FEATURES

- Compact OEM module for interfacing Transport Streams to a network. The DTM-3200 converts IP to ASI, or ASI to IP
- Additional 8-bit parallel Transport Stream I/O port on a 26-way boxed header for easy connectivity to custom hardware
- Advanced IP-jitter filtering algorithm, with programmable jitter tolerance
- IP encapsulation and 2D-FEC encoding and decoding as defined in SMPTE 2022
- Unicast and multicast IP addressing
- Several interface standards supported for serial control (RS-232, RS-422, RS-485 and I²C)
- Persistent storage of configuration parameters



APPLICATIONS

- Easy way to add an IP input or output to your TS-processing product
- Tunnelling of ASI signals over LAN, WAN or the Internet

KEY ATTRIBUTES

Parameter		Value
GigE port	Physical layer	IEEE 802.3a
	Data rate	100/1000
	Connector	RJ-45 with LEDs
DVB-ASI port	Physical layer	EN50083-9
	Connector	1x 75-Ω MCX
	Tx bitrate	0.01 .. 214Mbit/s
Parallel port	Physical layer	M-LVDS
	Signals	Clock, sync, valid, 8-bit data
	Connector	26-way header
Transport	TP per IP	1 .. 7
	Encapsulation	UDP or RTP
	FEC	SMPTE 2022
IP to ASI latency*		1 ms
Jitter tolerance range		1 .. 500ms
Dimensions WxHxD		80x55x14mm

* Excluding FEC reconstruction and jitter tolerance delay.

PROTOCOL SUPPORT

Ethernet encapsulation	IEEE 802.2 SNAP, Eth. II
IP support	IPv4
IP-address assignment	DHCP, link local or static
Multicast support	IGMP v2
Device management	Out of band: RS-232, RS-422, RS-485, I ² C
Network management	Not supported

ORDERING INFORMATION

Type	Description
DTM-3200	OEM ASI to/from IP converter
DTM-3200-RA	OEM ASI to/from IP converter with right-angle connectors
DTM-3200-DEVKIT	Developer kit for DTM-3200

Please refer to www.dektec.com for the latest pricing and a list of distributors and resellers.