

# IP to ASI PoE Converter

DekTec DTE-3100



## KEY FEATURES

- Standalone module can either be used as compact autonomous TS-over-IP (TSoIP) to ASI gateway, or as remote I/O device for PC-based applications
- SMPTE-2022 and DTAPI mode
- Power-over-Ethernet support: no separate power feed required
- Advanced time reconstruction algorithm to overcome IP jitter, with programmable size of jitter tolerance buffer
- Supports IP de-encapsulation and 2D FEC decoding according to SMPTE 2022-1/2
- LCD status display shows device identifier, bitrate, IP/ MAC address and status
- Uniform software access to DekTec TSoIP, PCI and USB devices through DTAPI
- Install up to 14 modules in 3U 19" rack space using the DekTec rack mountable rail, or units can be mounted on a DIN rail directly on a wall

## APPLICATIONS

- Autonomous TSoIP to ASI gateway
- With DTE-3120: Tunnelling of ASI signals over LAN, WAN or the internet
- Remote ASI output adapter for server based data inserters, stream servers, multiplexers and similar systems

- TSoIP to DVB-ASI converter
- UDP, RTP, 2D FEC (SMPTE-2022)
- Power over Ethernet enabled

## KEY ATTRIBUTES

Parameter		Value
GigE Port	Physical layer	IEEE 802.3af
	Data rate	10/100/1000
	Connector	RJ-45
ASI Port	Physical layer	DVB-ASI (coax)
	Connector	75-Ω BNC (2x)
	Tx bitrate	0-214 Mbit/s
	Resolution	<1bit/s
Transport	TS per IP	1-7
	Encapsulation	UDP or RTP
	FEC	SMPTE 2022
TSoIP to ASI latency*		10ms
Jitter tolerance range		1-120ms
DVB ID		5824

\* Excluding FEC reconstruction and jitter tolerance delay.

## CONTROL

IP-address assignment	DHCP or static
Multicast support	IGMP v2
Device management	browser based
Network management	SNMP v2c
Discovery	WS-discovery

## RELATED PRODUCTS

Type	Description
DTE-3120	Networked ASI input

## ORDERING INFORMATION

Type	Description
DTE-3100	Networked ASI output adapter
DTE-3100-SP	DTE-3100 with StreamXpress

Sencore is the preferred distributor of DekTec in North America.