

IP to ASI Converter

PoE Enabled

- ❑ Standalone IP to DVB-ASI converter
- ❑ UDP, RTP, 2D FEC (SMPTE-2022)
- ❑ Power over Ethernet / Aux supply input

FEATURES

- Standalone module can either be used as compact autonomous IP to ASI gateway, or as remote I/O device for PC-based applications
- SMPTE-2022 (standalone) 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 IP-, 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 IP 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

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 .. 214Mbit/s
	Resolution	< 1bit/s
Transport	TP per IP	1 .. 7
	IP version	IPv4
	Encapsulation	UDP or RTP
	FEC	SMPTE 2022
TSoIP to ASI latency*		10ms
Jitter tolerance range		1 .. 120 ms

* 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	ASI to IP converter

ORDERING INFORMATION

Type	Description
DTE-3100	IP to ASI converter
DTE-3100-SP	DTE-3100 with <i>StreamXpress</i>

Units are shipped with external power adapter. Add -NOPSU for ordering without power supply.