



## DTA3050 Multiplexer



### FEATURES | BENEFITS

Provides aggregation of MPEG transport streams for output via ASI or IP

Gigabit Ethernet Distribution

Three Mirrored ASI Outputs

Flexible Configuration and Control

DTV Electronic Program Guide

Ideal for Broadcast, Remote Production and Ultra HD Applications

Optional for large scale deployment, the DTA-3050 makes it easy to de-multiplex and re-multiplex ASI transport streams. It enables incoming transport streams (SPTS or MPTS) to be combined with additional local content and a single transport stream to be generated. The DTA-3050 offers up to 10 independent ASI inputs, 3 mirrored ASI outputs, and a GIGE output. Fully featured for ATSC applications, it can also aggregate and process MPEG, Digicypher, or DVB based services for traditional satellite and cable broadcasts.

### OPTIONS | ACCESSORIES

**DTA-ASI-KEY:** The DTA-3050 comes standard with 5 unblocked ASI parts. Up to 5 additional can be added.

**DVB-CAS:** Capable of encrypting 210 Mbs and is supported via ASI and IP egress.

**DVB-AES:** AES scrambling algorithm feature for DTA's. Capable of encrypting 210 Mbs. Used for IPTV with Verimatrix server.

**DTVGUIDE:** Cloud-based EIT scheduler and delivery service with over 100 networks providing FREE content for use by all DTA customers.

**DTA3050**  
**Multiplexer**

**FRONT PANEL:**

Tactile Raised Keypad Buttons:  
Mode, Select, Enter, Escape, Up, Down, Left, Right  
Blue Translucent LCD: 20 character by 2 row  
Front Panel Host LEDs: Power, Alarm, Link, Busy, MPE  
Front Panel LEDs : In: 1 - 10 ASI  
Out: Alarm, ASI, CA, GigE

**ASI INPUTS:**

Fill scrubbing on input  
Interface: ASI 188/204 Byte (EN 50083-9)  
TS Rate: Up to 210Mb/s per input  
PIDs: Up to 256 PIDs per input  
Connector: 10x BNC \*  
Input Modes: Auto (Remap all services)  
Manual (Add/Drop/Remap PID/Services)  
Pass (Pass all services as-is)  
MHP Injector and SI Injector

**OUTPUTS:**

**ASI Output**  
TS Rate: Up to 210Mb/s in Mirrored Byte or Burst Mode  
Connector: 3x BNC (75 Ohm) in Mirrored Byte or Burst Mode  
**Transport Over IP (TSoIP) Output**  
Connector: 1x RJ45 10/100/1000 GigE  
SPTS and MPTS over UDP  
Up to 10 locations definable by user

**TABLE PROCESSING:**

MPEG Tables: PAT CAT (if CA is enabled) PMT  
DVB Tables: (Add/Drop/Remap DVB Services)  
NIT SDTTDT/TOT EIT  
ATSC Tables : (Add/Drop/Remap ATSC Services)  
VCT (Cable or Terrestrial) MGTSTTRRTEIT (1-4)  
DCII Tables: (Add/Drop/Remap Digicypher services DVB/ATSC)

**CONDITIONAL ACCESS:**

DVB-Common Scrambling Algorithm (CSA)  
DVB Simulcrypt TS 103 197 v 1.2.1  
FIPS 140-2 random number generator (RNG)

**CA Vendors:** CSA: Irdeto, Conax, EuroCAS, KeyFly, Xcrypt  
AES: Verimatrix

**PHYSICAL:**

Operating Temperature: 0 to +50°C/+32 to +122°F  
Power Supply (nominal): 70 - 240 VAC  
Power Consumption (nominal): 94W (120V @280mA)  
Weight: 13lbs  
Measurements: (H X W X D) 1.75" X 19" X 16"

**MANAGEMENT:**

Front Panel Control  
Browser-based Web Interface with Advanced Security Features  
SNMP v2c available for NMS integration

\*Software keys are required to unlock full hardware support. There may be some constraints depending on configuration. Specifications are subject to change. Please contact your sales person for more info.

