

# Broadmux DBX 4300



With the DBX 4300, Nextream provides operators with a leading re-multiplexing solution for composing a set of services for a digital television system. The DBX 4300 can handle up to 26 Transport Streams, ensuring full DVB of output streams. BroadMux also provides Operators with a cost effective solution for MPEG-2 local programme insertions by using its integrated Near Seamless Splicing.

## Applications

- Primary distribution
- Satellite Digital Broadcasting
- Splicing and regional Opt-outs

## Key Features

- Multiplexes up to 26 Single and/or Multi-Programmes MPEG-2 ASI Transport Streams
- High density of features concentrated in a 2U rack
- Signalling or trans-signalling of the MPEG-2 TS
- Implements DVB common scrambling functions and interfaces to most C.A. systems
- Data injection
- Opportunistic Data injection: high speed data insertion and "no null packets"
- Performs Near Seamless Splicing for MPEG-2 Programme Switching
- Allows Bit Rate Management between several content providers sharing the same multiplex

Transport Stream

**Inputs**  
From 6 to 26 inputs, serial DVB ASI  
Connector : BNC (female)

Data Injection

- 1 Ethernet channel (typically 2Mb/s)  
DVB simulcrypt protocol supported
- any ASI input

Transport Stream

**Outputs**  
4 identical outputs : serial DVB ASI  
Connector : BNC (female)  
Max. bit rate : 130 Mb/s

Scrambling Access Control Versions

**Features**  
Built-in DVB Common Scrambling Interface with major conditional access systems providers  
BISS Mode capability

Multiplexing & re-multiplexing of TS

- Services and components management (add/drop of services or components)
- Automatic PSI/SI management
- Input bit rate control
- Facilities for interfacing to various SI injector

Opportunistic data injection (SW option)

Optimum use of the allocated bandwidth

Near Seamless Splicing (SW option)

Cost effective solution for MPEG-2 programme switching

**Control & Monitoring**

- Ethernet remote C&C, local control with front panel keypad & LCD
- Alarms : Voltage-free contact

**Electrical & mechanical**

AC 110/230 V +/- 10% - 50/60 Hz  
DC 48V

50W max depending on configuration

484 (19'') x 620 x 89 (2RU) mm

0° to +40°C (operation),  
-20° to 70°C (storage)  
15 Kg

CE & UL compliant

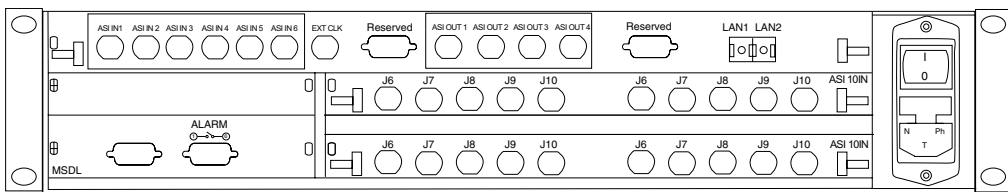
Power supply

Consumption

Temperature range

Dimensions & Weight

Compliance



NEXTREAM reserves the right to change product characteristics without prior notice

DBX 4300/0202

<http://www.nextream-online.com>

©2002 NEXTREAM - all rights reserved

