

DTV 720

TRANSPORT STREAM MULTIPLEXER



DTV 720 FEATURES

Built-In Multiplexer

(2) ASI Inputs

(2) Identical ASI Outputs (routing and monitoring)

Option for GigE Output

Options for up to (2) 8VSB Tuners

PSIP Processing

SNMP Control and Monitoring

Web Browser Configuration and Diagnostics

Field Upgradeable Software

WEGENER's DTV 720 transport stream multiplexer gives small cable operators powerful multiplexing options in an affordable package. Its flexible architecture and compact design allows operators to seamlessly repackage off-air 8VSB and local ASI streams into their headends for a lower cost per channel.

FLEXIBLE MULTIPLEXING

Building from a standard configuration, the DTV 720 flexible design supports the following options.

Standard Configuration (2 ASI in / 2 ASI out): Provides 2:1 ASI multiplexing allowing operators to add/drop programs from input streams to build a new transport stream.

Option 1 (4 ASI in / 2 ASI out): Add a dual ASI input card for 4:1 multiplexing capabilities.

Option 2 (2 ASI, 1 8VSB in / 2 ASI out): Add one (1) 8VSB demodulator card to build a multiplex of local off-air HD and satellite signals.

Option 3 (2 ASI, 2 8VSB in / 2 ASI out): Add two (2) 8VSB demodulator cards to build a multiplex with 2 off-air HD signals and satellite signals.

Gigabit Ethernet Option: Add a Gigabit Ethernet output module for direct input into a IP/Ethernet infrastructure.

DHEI Option: Add a DHEI output module to the above configurations for direct input into a Motorola IRT.

PSIP PROCESSING

PSIP data may be selected to be included or excluded from the output. An operator may change the output program numbers, short name and major/minor channel numbers.

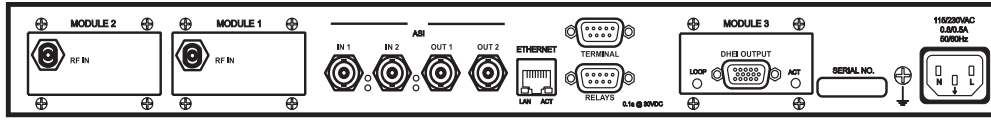
CONTROL AND MONITORING

A web browser provides a user-friendly interface for monitoring system parameters and selecting output transport stream programs. Up to 10 multiplex configurations may be stored and recalled for quick change of operations.

OPTIMIZING MEDIA DISTRIBUTION

DTV 720 - TRANSPORT STREAM MULTIPLEXOR

THE DTV 720 REAR PANEL



TECHNICAL SPECIFICATIONS

DVB-ASI INPUT

Effective Data Rate 100 Mbps maximum
Connector BNC

DVB-ASI OUTPUT

Data Rate 19.39, 26.97, 38.81 or
2.5 to 70 Mbps in 1 kbps steps
Connector BNC

MODULE SLOTS (options)

Input (2) 8VSB tuners
or (1) dual ASI input
Output GigE output module
DHEI output module

RF INPUT (8VSB option)

Input Frequency Range 53 to 810 MHz
Symbol Rate Range 10.76 Mbps
Input Data Rate 19.393 Mbps
Input Signal Level -80 to -20 dBm
Input Impedance 75 Ohms, unbalanced
Input VSWR <3.0:1 in 75-Ohm system
L.O. Leakage at Input < -60 dBm max
Connector BNC

GigE OUTPUT (option)

Data Rate 26.97, 38.81 or 2.5 to 70 Mbps
in 1 kbps steps
Connector Copper RJ45 jack
Physical Layer 1000BaseT
Media Access and Link Layers Per IEEE 802.3ab (Ethernet)
Communications Multicast/Unicast
Transport Protocol UDP/RTP
Packet Size 1.5K/9K (Jumbo)

DHEI OUTPUT (option)

Data Rate 26.97 Mbps or 38.81 Mbps
Connector D subminiature 15-pin
Mode Simplex

ETHERNET PORT

Physical Layer 10BaseT/100BaseT
Connector RJ45 jack
Media Access and Link Layers Per IEEE 802.3 (Ethernet)

ALARM & WARNING RELAYS

Function De-energize on alarm
(warning) or power loss
Type Form C (NO, NC and Com
contacts available)
Rating 30VDC, 100 mA max

AC POWER

Voltage 90-132 or 175-264 VAC
Frequency 50 or 60 Hz +/-2%
Power Consumption < 35 Watts

AGENCY APPROVALS

UL UL60590
FCC Part 15B Class A

ENVIRONMENT

Operating Temperature 0° to +50° C
Storage Temperature -20° to +70° C

Model Number	Inputs		Outputs		
	ASI	8VSB	ASI	DHEI	GigE
DTV720-001	2	--	2	--	
DTV720-002	2	--	2	1	
DTV720-003	2	1	2	--	
DTV720-004	2	1	2	1	
DTV720-005	2	2	2	--	
DTV720-006	2	2	2	1	
DTV720-007	4	--	2	--	
DTV720-008	4	--	2	1	
DTV720-009	4	--	2	--	1
DTV720-010	2	--	2	--	1
DTV720-011	2	1	2	--	1
DTV720-012	2	2	2	--	1

www.wegener.com/PRODUCTS/index.php

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