

DTV 720

MULTICASTER



DTV 720 FEATURES

Build up to *16 IP Multicast Transport Streams from ASI and 8VSB Inputs

One (1) Program per IP Multicast Transport Stream

2 ASI Inputs

Options for up to 2 8VSB Tuners

Option for Additional 2 ASI Inputs

10/100/1000 Base T (GigE) Output

Web Browser Configuration and Diagnostics

Field Upgradeable Software

Removes Null Packets to Optimize Bandwidth Efficiency

*16 multicasts not to exceed 110 Mbps

WEGENER's DTV 720 Multicaster gives video head-end operators powerful multicasting options in an affordable package. It allows operators to seamlessly repackage local off-air broadcast signals and satellite feeds into IP multicast transport streams.

FLEXIBLE MULTICASTING

The DTV7 20 Multicaster's flexible design supports the following options.

- **Standard Configuration** (2 ASI in / 1 GigE Ethernet out)
- **Option 1** (4 ASI in / 1 GigE out)
- **Option 2** (2 ASI, 1 8VSB in / 1 GigE out)
- **Option 3** (2 ASI, 2 8VSB in / 1 GigE out)

CONTROL AND MONITORING

A web browser provides a user-friendly interface for selecting programs for multicasts, monitoring system parameters and update software applications. Save and recall configurations to your PC using the web browser interface for quick change of operations.

DIAGNOSTICS AND ALARMS

The DTV 720 provides quality monitoring of the streams via a web interface. Warning and alarm conditions are provided by contact closures on a rear panel connector.

DTV 720 MULTICASTER

Standard Configuration (2 ASI in / 1 GigE Ethernet out):

Select programs from 2 ASI input streams to build up to 16 IP multicasts.

Option 1 (4 ASI in / 1 GigE Ethernet out):

Add a dual ASI input card to provide a total of 4 ASI inputs to support multiple satellite receivers.

Option 2 (2 ASI, 1 8VSB in / 1 GigE Ethernet out):

Add one (1) 8VSB demodulator card to build multicasts from local off-air broadcast TV signals.

Option 3 (2 ASI, 2 8VSB in / 1 GigE Ethernet out):

Add two (2) 8VSB demodulator cards to build a multicast from two (2) off-air broadcast TV and satellite signals for additional HD or SD content.

TECHNICAL SPECIFICATIONS

DVB-ASI INPUT

Effective Data Rate	100 Mbps maximum
Connector	BNC

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

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 Transport Protocol	Multicast/Unicast UDP

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

<http://wegener.com/PRODUCTS/index.php>

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