



iPUMP 622

ENTERPRISE MEDIA SERVER



iPump 622 APPLICATIONS

Private Networks

- **File-Based Broadcasting**
- **Training On-Demand**
- **Retail Video Displays**
- **Corporate Communications**
- **News & Information**

Video Over IP

- **Streaming Media**
- **IP Data Distribution**
- **Multi-Format File Distribution**

The iPump 622 Media Server is specially designed for enterprise environments. This desktop satellite receiver integrates features of a media server and IP router, allowing central network administrators to dynamically update stored media in end-users units. Its quiet operation makes it ideal for classroom and other client settings.

The unit's flexible i/o design supports tailored configuration for different environments.

Use the iPump 622 Media Server to:

- create a virtual multi-channel experience
- support satellite & internet file delivery
- stream video to desktops or television monitors
- time-shift programming
- target content distribution
- access media library via web browser or OSD
- access data files via LAN connection

WEGENER offers an end-to-end solution that utilizes a single downlink device to receive live broadcasts, store programs and seamlessly combine them to play-out custom broadcasts.

OPTIMIZING MEDIA DISTRIBUTION

WEGENER®



iPUMP 622 - ENTERPRISE MEDIA SERVER

TECHNICAL SPECIFICATIONS

RF CHARACTERISTICS

Input Frequency Range	950 to 2150 MHz
Carrier Lock Range	±1.0 MHz
Input Level Range	-25 to -65 dBm
Input Impedance	75 ohms
Input Connector	Type-F
LNB Power (Universal)	13/18 VDC@350 mA max.22KHz,LO control
Tuning Resolution	1KHz
Modulation DVB	QPSK
Symbol Rate Range	1.55 to 45 Msps
Transport Rate Range	1.5 to 72.57 Mbps
FEC Coding	1/2, 2/3, 3/4, 5/6, 7/8

ASI INPUT

MPEG Transport Stream Connector	DVB ASI BNC
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VIDEO DECOMPRESSION CHARACTERISTICS

Video Data Rate	2.5 to 12 Mbps per service
Compression Type	MPEG-2, Main Profile 4:2:0
Resolution:Horizontal	720,704,640,544,480,352
Resolution:Vertical	480,240 lines @30 Hz (NTSC) 576,288 lines @25 Hz (PAL)

VIDEO OUTPUT CHARACTERISTICS

Video Format	NTSC/PAL composite
Output Level	1.0 Vpp,+/-5%
Output Impedance	75 ohms

AUDIO OUTPUT CHARACTERISTICS

Frequency Response	20 Hz to 20 KHz
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AUDIO COMPRESSION CHARACTERISTICS

Compression Type	MPEG Layer II
Data Rate	64 to 384 Kbps
Output Modes Supported	Mono,Duo,Joint Stereo

OUTPUTS

Video Analog	S-Video with RCA adaptor
Audio Analog	1/8" jack
IP Data	10/100 BaseT Ethernet
Alarm/Warning	Relay closure via DB9
Relay	Solid state relay closure via DB9 (1 input, 1 output)

DATA FILES

Access Modes	FTP, SMB, HTTP
LAN File Access Rate	30 Mbps
Satellite Download Rate	20 Mbps
# of Simultaneous Downloads	10

CONDITIONAL ACCESS OPTIONS

- Compel CA

MECHANICAL

Power	115 VAC +/-10%,0.8 A max,60 Hz or 230 VAC +/-10%,0.5 A max,50 Hz
Operating Temperature	10° to 40° C

AGENCY APPROVALS

FCC Part 15B Class A, UL1950, CSA, CE, RoHS

iPUMP 622 MEDIA SERVER PRODUCT OPTIONS

Input	DVB RF Input 4 input RF switch DVD data disc files Ethernet ASI input*
First & Second Decoder	Standard 4:2:0 decoder
Disk Storage Capacity	80, 250 Gigabytes
Line Cord (power cord)	U.S., U.K., Europe, Australia, India
Other	KenCast FEC On-Screen Display (OSD) IR remote control RF remote control Channel 3-4 Modulator (For display to television) Modem

*this option is not available with Euro-RoHS compliance

www.wegener.com/PRODUCTS/index.php

11350 Technology Circle, Duluth, GA 30097 ph 770.814.4000 f 770.623.0698 info@wegener.com

