

iPUMP 562

ENTERPRISE MEDIA PLAYER



APPLICATIONS

Private Networks

- **File-Based Broadcasting**
- **Digital Signage**
- **Regional Advertising**
- **Corporate Communications**
- **Retail Video Displays**
- **News & Information**

BENEFITS

- **Combine Live and File-Based Video Broadcasts**
- **40-70% Signal Compression with MPEG-4 (h.264) video compression and DVB-S2 modulation ***
- **Hands-free downlink operations with COMPEL Control®**
- **HD and SD video support**

** compared to MPEG-2 video compression and DVB-S modulation*

LAUNCH NEW SERVICES

WEGENER introduces the iPump 562 media player for multi-site enterprise video projects, such as digital signage, which may require a high level of customization per television set. Using WEGENER's integrated approach to file-based workflows, MPEG-4 (h.264) video and DVB-S2 demodulation, the iPump 562 media player delivers superior bandwidth savings for new high definition video channels.

Additionally, enterprise networks can use file-based broadcasting features to regionalize or pre-position repetitive content to inject a higher level of personalization and/or targeted marketing promotion within any live video broadcasts.

COMPEL CONTROL

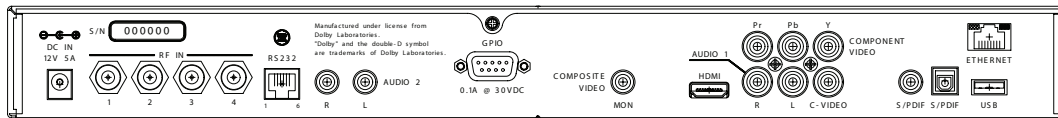
COMPEL® network control system puts every WEGENER receiver under a central network operator's control. It gives the operator the power to manage a mixed network of iPump 562 and other WEGENER IRDs through a common interface. Use COMPEL to optimize bandwidth utilization with scheduled commands that regionalize programming and commercials. Command individual or groups of receivers to configure video, audio, data outputs, or switch/tune to specific satellite transponders for field-proven disaster recovery and true hands-free downlink operations.



WEGENER®

OPTIMIZING MEDIA DISTRIBUTION

iPUMP 562 - ENTERPRISE MEDIA PLAYER



TECHNICAL SPECIFICATIONS

RF CHARACTERISTICS

Input Frequency Range	950 to 2150 MHz
Input Level Range	-25 to -65 dBm
Input Connector	Type-F
	4 port RF switch (optional)
LNB Power	18 VDC@350 mA
Universal LNB Power	13/18 VDC@350 mA max. 22kHz, Control Tone
Symbol Rate Range	
DVB-S QPSK	1-45 Msps
DVB-S2 QPSK	2-30 Msps
DVB-S2 8PSK	2-30 Msps
FEC Coding	
DVB-S QPSK	1/2, 2/3, 3/4, 5/6, 7/8
DVB-S2 QPSK	1/2, 2/3, 3/4, 4/5, 5/6, 7/8, 9/10
DVB-S2 8PSK	2/3, 3/4, 5/6, 8/9, 9/10

VIDEO OUTPUT CHARACTERISTICS

Compression Codec	MPEG-1, MPEG-2, MPEG-4 AVC (h.264)
Color Sampling	4:2:0
Outputs	Composite - NTSC/PAL Component - YPbPr Digital - HDMI
SD Resolution	480i & p
HD Resolution	720p, 1080i
PAL Modes	PAL-B, PAL-G
Level	1.0Vpp +/- 5%
Impedance	75 Ohms
Connectors	Composite – RCA, HD Component – RCA
Output Compatibility	Down scales HD video sources to SD output resolution simultaneously

AUDIO OUTPUT CHARACTERISTICS

Compression Codec	MPEG-4 AAC-LC, Dolby Digital, MPEG-1 Layer II
Sample Rates	44.1 & 48 kHz
Analog Type	2 stereo pairs
Analog Connector	RCA
Digital Type	S/PDIF
Digital Connectors	RCA and Optical TosLink

DATA CHARACTERISTICS

Type	RS 232 port (for terminal)
Connector	RJ11
Relay	Contact closure via DB9 (2 output, 1 input)

LAN IP STREAM CHARACTERISTICS

Protocol	UDP Multicast or TCP Unicast
Format	Transport (Single Program)
Codec	MPEG-2 and H.264 (Main, 4.1 Profile)
Video Resolution	SD and HD
Rate	Up to 10 Mbps Multicast or 5 Mbps Unicast

CONDITIONAL ACCESS

Compel CA

DISK STORAGE

Capacity 80* Gigabytes

UNIT CONFIGURATION AND MONITORING

Front panel LCD and keypad
Terminal control using RS-232 serial port or logging through
LAN IP interface
IR Remote (option)
WEGENER COMPEL Control

POWER AND MECHANICAL CHARACTERISTICS

Operating	
Temperature Range	10 ° C to 40 ° C
Relative Humidity (max.)	80% up to 31 ° C, decreasing linearly to 50% at 40 ° C
Weight	7.5 lbs or 3.4 kg
Dimensions (H x W x D)	1 RU (1.75" x 16.5" x 11.5") (4.4cm x41.9cm x29.2cm)
AC Power Voltage	External 100-240 auto- detect/selected
AC Power Frequency	50 or 60 Hz ± 2%
Power Consumption	45 watts,full LNB DC load

AGENCY APPROVALS

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

* Other disk storage sizes available upon request, based on
availability and minimum quantity orders.

www.wegener.com/PRODUCTS/index.php

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

WEGENER, COMPEL, COMPEL CONTROL, iPUMP, MEDIAPLAN, UNITY, ASSURED FILE DELIVERY, PANDA, PROSWITCH, VIDATA, the stylized W-design logo (for WEGENER®), the stylized C-design logo (for Compel®) and the stylized PANDA design logo are all registered trademarks of WEGENER®.

Specifications subject to change without notice ©2011 WEGENER. All Rights Reserved.

7/11 - i562



WEGENER®