

# iPUMP 6400

## PROFESSIONAL MEDIA SERVER



### iPump 6400 APPLICATIONS

#### Broadcasting

- Live and File-Based Broadcasting
- Regional Advertising
- Time-Shifted Programming
- Broadcast News Distribution

#### Private Networks

- Live and File-Based Broadcasting
- On-Demand Training
- Digital Signage
- Corporate Communications
- News & Information

#### Video Over IP

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

WEGENER's innovative file-based solution supports diverse customers, such as, retailers, educational networks, private video channels and ad-supported broadcasters.

The iPump 6400 Media Server flexible i/o design supports tailored configuration for different environments. It supports seamless movement between live and file-based content distribution, as well as, satellite and terrestrial distribution paths.

Use the iPump 6400 Media Server to:

- access data files via LAN connection
- share media library
- create multiple SD and HD channels
- support satellite & internet file delivery
- support digital signage
- time-shift programming
- regionalize program insertions
- stream video to desktops or television monitors

WEGENER's end-to-end solution includes network control components to maximize the distribution of live broadcasts, stored content and seamlessly combine them to play-out custom broadcasts at the network's edge.



WEGENER®

OPTIMIZING MEDIA DISTRIBUTION

# iPUMP 6400 - PROFESSIONAL MEDIA SERVER

## TECHNICAL SPECIFICATIONS

### ETHERNET INPUT

IP Data Connector	GigE* RJ-45
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### DATA FILES

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

### OTHER OUTPUTS

IP Data	10/100 BaseT Ethernet
Alarm/Warning	Relay closure via DB9
Relay	Solid state relay closure via DB9 (1 input, 1 output)

### CONDITIONAL ACCESS

- Compel CA

### RF CHARACTERISTICS (option)

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

### ASI INPUT (option)

MPEG Transport Stream	DVB ASI , including proprietary format
Connector	BNC

### iPUMP 6400 MEDIA SERVER PRODUCT OPTIONS

Input Options	DVB-S2 only RF Input External 4 input RF switch ASI input DVB-S2 RF & ASI combined input
Output Options	Standard Video Decoder Standard Video Decoder with Extended Outputs Decoder with HD-SDI
Disk Storage Capacity	160, 250, 750 Gigabytes
Line Cord (power cord)	International

### STANDARD VIDEO DECODER (option)

Video Compression Codec	MPEG-1, MPEG-2, MPEG-4 AVC (h.264)
Color Sampling	4:2:0
Video 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
Video Connectors	Composite – RCA, HD Component – RCA
Output Compatibility	Down scales HD video sources to SD output resolution simultaneously
Audio Compression Codec	MPEG-4 AAC-LC, Dolby AC-3, MPEG-1 Layer II
Sample Rates	44.1 & 48 kHz
Type	2 stereo pairs
Audio Connector	RCA

### EXTENDED VIDEO OUTPUTS (option)

Composite Video	BNC connector
Balanced Audio	(2) channels via 'Quick Disconnect' connectors
S/PDIF Digital Audio	(2) channels via RCA connectors

### DECODER WITH HD-SDI (option)

Composite Video	BNC connector
HD-SDI Video	BNC connector (2) channels, embedded audio Line 21 data in VANC
Balanced Audio	(2) channels
Digital Audio	(2) AES channels
Audio Connector	DE-15

### MECHANICAL

Power	115 VAC +/-10%,0.8 A max,60 Hz 230 VAC +/-10%,0.5 A max,50 Hz
Size	3.5 " x 17 " x 16.5 " (rack mount)
Operating Temperature	10° to 40° C

### AGENCY APPROVALS

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

\*jumbo packets not supported

[www.wegener.com/PRODUCTS/index.php](http://www.wegener.com/PRODUCTS/index.php)

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