

# Signcaster 864

## 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
- Hands-free downlink operations with COMPEL Control®
- HD video support

### LAUNCH NEW SERVICES

WEGENER introduces the Signcaster 864 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 Signcaster 864 media player delivers superior bandwidth savings for new high definition video channels.

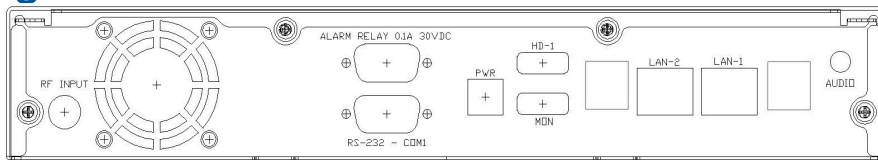
Additionally, enterprise networks can use file-based broadcasting features to regionalize or pre-position repetitive content to inject a higher level of personalization and/or targeted marketing promotion within any live video broadcasts.

### 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 Signcaster 864 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.



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## TECHNICAL SPECIFICATIONS

### RF CHARACTERISTICS

Input Frequency Range	950 to 2150 MHz
Input Level Range	-25 to -65 dBm
Input Connector	Type-F
LNB Power	18 VDC@270 mA
Universal LNB Power	13/18 VDC@270 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	HD Video output & Slave port

HD Resolution	720p, 1080i, 1080p
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### AUDIO OUTPUT CHARACTERISTICS

Compression Codec	MPEG-4 AAC-LC, Dolby Digital, MPEG-1 Layer II
Sample Rates	44.1 & 48 kHz
Analog Type	1 stereo pair via 1/8" jack

### DATA CHARACTERISTICS

Type	RS 232 port (for terminal)
Connector	DB9 Male
Relay / Alarm	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

Rate	Up to 10 Mbps Multicast
Connectors	RJ45

### CONDITIONAL ACCESS

Not Installed

### DISK STORAGE

Capacity	120/128 Gb SSD*
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### UNIT CONFIGURATION AND MONITORING

OSD, or Web interface  
Terminal control logging through LAN IP interface  
IR Remote (option)  
WEGENER COMPEL Control  
WiFi (option) 802.11ac

### 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	5 lbs or 2.3 kg
Dimensions (H x W x D)	2.1" x 10.6" x 9" (5.3cm x26.9cm x22.9cm)
AC Power Voltage	External 100-240 auto- detect/selected
AC Power Frequency	50 or 60 Hz ± 2%
Power Consumption	32 watts,full LNB DC load

### AGENCY APPROVALS (PENDING)

CE / RoHS Components, NOM Customer Supplied

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

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

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