



## EMCEE DRP-2000 Digital Regenerative Receiver/Processor/Modulator



### Features & Benefits

- Sophisticated but Low-Cost Fully Featured Transport Stream Processor
- Works as Full Function Multiplexer
- RF Input supports 8VSB (ATSC A.53), other World Standards
- 8VSB RF Modulator Output meets ATSC A.53 Spec, 6MHz Frequency Agile (Optional)
- Other Output and Input Modules available (Consult Factory)
- Supports SD/HD and MPEG-2/MPEG-4
- Full transport stream PID re-stamping and re-timing
- Supports PCR re-mapping and filling (VBR/CBR)
- On-Board PSIP Processing and Re-Generation
- On-Board De-Mux and Re-Multiplexing
- Supports TS & Service Multiplexing
- Supports TS & EIT Pass-Through
- On-Board ASI Inputs and Outputs (x2)
- HDMI, SD/HD SDI, and NTSC Analog Outputs Standard
- SDI Output with 2 embedded audios
- Built-In GPI Alarm and Cue Tone Output
- E-Net Input 10/100Base-TX/GigE, RJ45
- Graphical Interface-Web Based NMS
- Front Panel Keypad and LCD Display
- Supports SNMP for System Integration
- Input Failure Notification, Customer Programmable JPEG
- 2 Year Parts and Labor Limited Warranty



## **Specifications--DRP 2000 Receiver/Processor/Modulator**

### **AC Power Input, Single Power Supply**

Voltage	100-240 VAC, Dual Switching Supplies
Current	Max 60 Watts, <.2 Amps Typical
Frequency	47-63 Hz

### **Environmental**

Operating Temperature	0° to 50° C
Maximum Altitude	10,000 Ft., 3048 Meters, AMSL
Humidity	95%, Non-Condensing

### **RF Input**

Frequency Range	57-803 MHz
Broadcast Channels	2-69
CATV Channels	1-125
Impedance	75 Ohms, (50 Ohms Optional)
Input Connector	Type 'F' Female
RF Bandwidth	6 MHz

### **Demodulator Input Board**

Type ATSC, 8-VSB, Standard	Other Formats Available, Consult Factory
Adaptive Equalizer	Xilinx Version 7, 4096 Taps
Input Data Rate	19.392658 Mb/sec
SNR (MER) Threshold	15dB
RF Sensitivity	>-63dBm UHF, >-72dBm Band III, >-82dBm Band I

### **RF Output**

Frequency Range	44-850 MHz, Direct Digital
Frequency Step Size	1KHz
Frequency Accuracy	<± 2 ppm
Frequency Stability	<±2 ppm
Output Level	-20 to 0 dBm
Impedance	75 Ohms, (50 Ohms Optional)
Output Connector	Type 'F' Female
Spurious Output	-60 dBc
Return Loss (VSWR)	>17dB (VSWR 1.329:1)

### **Mechanical**

Size	480mm x 40mm x 44mm
Weight	12 Pounds
Chassis Expansion Slots	Other Modules Available