



An Advanced Feature Digital Multi-Channel Satellite Receiver/Transcoder for Programmers and Digital Operators

Highlights Include:

- Three service MPEG-4 to MPEG-2 Transcoding
- Simultaneous HD and SD output
- Closed Loop Statistical Multiplex HD output
- Advanced Modulation support with DVB-S2 and TurboCode
- Gig-E and ASI transport outputs
- 1RU chassis design
- DigiCipher® II conditional access control
- Composite video monitoring and dedicated OSD outputs
- 8 RF Inputs (L-Band)
- ASI input
- AFD processing support
- 10/100 BaseT Ethernet port for SNMP monitoring and control

The DSR-6300 Integrated receiver/Transcoder is Motorola's next generation commercial satellite receiver/transcoder, capable of transcoding three MPEG-4 HD services and outputting three simultaneous MPEG-2 HD and SD services. The DSR-6300 features Motorola's Emmy® award winning high quality closed-loop statistical multiplexing, which dynamically allocates the optimal bandwidth to each program using Motorola patented video complexity analysis. As a result, up to three HD services can be efficiently delivered to the home in QAM-friendly transport bitrates, significantly increasing the number of services that can be delivered over a standard cable 256-QAM feed.

Packaged in a 1RU chassis, the Motorola DSR-6300 comes equipped with industry standard output interfaces such as Gig-E and ASI that enable seamless connections to head-end equipment. With advanced modulation support, the DSR-6300 supports DVB-S2 and 8PSK TurboCode.

TECHNICAL SPECIFICATIONS	
<p>L-Band Input</p> <p>Input Frequency: 950 - 2150 MHz Input Impedance: 75 Ω Input Connectors: Eight (8) F-type F-Connector: 16V DC min/450 mA Port-to-Port Isolation: 40 db (minimum)</p>	
<p>Digital Processing</p> <p>Modulation Modes: DVB-S2, 8PSK Turbocodes, DCII QPSK Symbol Rates: DVB-S2: 5 to 30 Msps 8PSK turbocodes: 3 to 30 Msps DCII QPSK: 3.25 to 29.27 Msps FEC Rates: DVB-S2: 3/5, 2/3, 3/4, 5/6, 8/9, 9/10 8PSK: 2/3 (1.9), 3/4 (2.05), 3/4 (2.11), 3/4 (2.19), 5/6 (2.30), 8/9 (2.40) QPSK: 1/2, 3/5, 2/3, 3/4, 4/5, 5/6, 7/8 (@3.25 to 29.27 Msps) 5/11 (@ 19.51 and 29.27 Msps)</p>	
<p>Composite Video Monitoring Output</p> <p>Frequency Response (NTSC): ±0.9 dB, 1kHz - 4.2 MHz Output Impedance: 75 Ω Output Level: 1.0 V p-p ± 10% Connectors: 2 BNC (1 with OSD)</p>	
<p>Audio Monitoring Output</p> <p>Output: 2 stereo pair or 4 mono Frequency Response: ±0.5 dB, 20 Hz to 20 kHz Output Impedance: 50 Ω Output Level: ±16.0 dBu, ±1.0 dB into 600 Ω balanced Connectors: Quick disconnect screw terminal</p>	
<p>Ethernet Output</p> <p>Connector: RJ-45 Format: 10/100BaseT</p>	
<p>Gig-E Output</p> <p>Connector: RJ-45 Format: 10/100/1000BaseT</p>	
<p>ASI Output/Input</p> <p>Format: Asynchronous serial interface Transmission: Byte or packet mode Standard: CENELEC EN 50083-9 Connectors: BNC (2 Out , 1 In)</p>	
<p>Contact Closures</p> <p>Number of Closures: 4 (1 alarm) Type: Form C</p>	
<p>Physical</p> <p>Width: 18.9" (48cm) Depth: 24.9" (63.2cm) Height: 1.65" (4.2cm) Weight: 12 lb (5.5kg) approx Power Input: 100-240 VAC, 50-60Hz, 165 W Operating Temperature: 0 to 40C Humidity: 95%, relative maximum Display: 2 line, 40 character LCD</p>	
<p>Other</p> <p>Limited Warranty: One year Compliance: UL listed/approved</p>	

