



DSR-6000

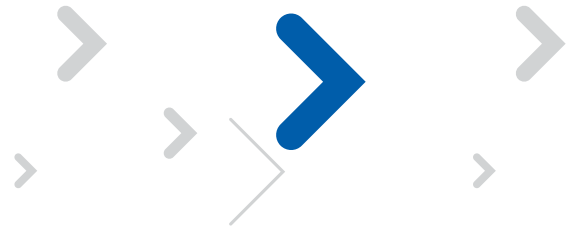
Commercial Integrated Receiver/Decoder



An Advanced Feature Digital Satellite Receiver for Cable Programmers and Operators

Highlights Include:

- Stackable 1RU chassis design
- 8 RF Inputs (L-Band)
- ASI input
- MPEG-2 Main Profile@High Level
- Advanced Modulation support with DVB-S QPSK, and DVB-S2 QPSK/8PSK
- DigiCipher II conditional access control
- Variable tuning from 4 MHz to 36 MHz
- Dolby® Digital audio processing
- VBI reinsertion for closed caption
- Quick disconnect terminals for easy installation
- DTMF cue tones for local ad insertion
- Dual ASI and Gig-E transport outputs
- Composite video and dedicated video diagnostics outputs
- 10/100 BaseT Ethernet port for SNMP and web browser monitoring and control

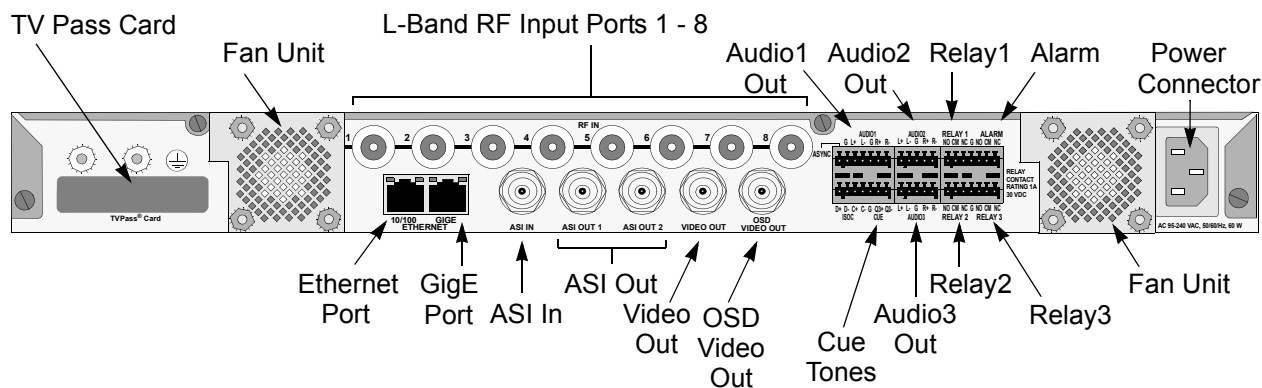


For more information regarding any of these features contact your Motorola sales representative.

The DSR-6000 Integrated Receiver/Decoder from Motorola brings revolutionary technology advances from a recognized leader in satellite program delivery. Building on the existing 6000 IRD product family, the DSR-6000 is capable of decoding MPEG-2 services and delivering outstanding video and audio performance. Its sleek packaging design fits in a standard 19" relay rack and requires only a single rack unit of space.

The Motorola DSR-6000 comes equipped with industry standard output interfaces such as Gig-E and dual ASI outputs that enable seamless connections to headend equipment. With advanced modulation support, the DSR-6000 supports both DVB-S QPSK and DVB-S2 QPSK/8PSK.

TECHNICAL SPECIFICATIONS		Contact Closures	
L-Band Input		Number of Closures:	4 (1 alarm)
Input Frequency:	950 - 2150 MHz	Type:	Form C
Input Impedance:	75 Ω	Ethernet	
Input Connectors:	Eight (8) F-type	Connectors:	Two (2) RJ-45
F-Connector:	16V DC min/450 mA	Formats:	10/100BaseT and 1000BaseT
Port-to-Port Isolation:	40 db (minimum)	ASI Output (2) / Input (1)	
Digital Processing		Format:	Asynchronous serial interface
Modulation Modes:	DVB-S QPSK, DVB-S2 QPSK/8PSK	Transmission:	Data byte and packet
Symbol Rates:	1 to 31.25 Msps	Standard:	CENELEC EN 50083-9
QSPK FEC Rates:	1/2, 3/5, 2/3, 3/4, 4/5, 5/6, 7/8	Connector:	BNC
DVB-S2 FEC Rates:	3/5, 2/3, 3/4, 5/6, 8/9, 9/10	Cue Tones	
Composite Video		Signal Type:	Differential output
Frequency Response (NTSC):	± 0.9 dB, 1 kHz - 4.2 MHz	Signal Level:	0 dBm, ± 3 dB (600 Ω)/tone
Frequency Response (PAL):	± 0.9 dB, 1 kHz - 4.8 MHz	Connector:	Quick disconnect terminal
Signal/Noise Ratio:	57 dB (min)	Physical	
Differential Gain:	4.0% p-p (max) (10% to 90% APL)	Width:	18.9" (48cm)
Difference Phase:	1.5 deg. (max)	Depth:	20.5" (52.1cm)
Output Impedance:	75 Ω	Height:	1.65" (4.2cm)
Output Level:	1.0 V p-p $\pm 10\%$	Weight:	12 lb (5.5kg) approx
Audio		Power Input:	95-240 VAC, 50-60Hz, 60 W max
Output:	2 stereo pair or 4 mono (3rd output for maintenance channel only)	Operating Temperature:	0 to 50C
Output Level:	± 18.0 dBu, ± 1.0 dB into 600 Ω balanced load, adjustable (0 to -18 dB)	Humidity:	95%, relative maximum
Frequency Response:	± 1.0 dB, 20 Hz to 20 kHz	Display:	2 line, 40 character LCD
Total Harmonic Distortion:	0.4% or better at 1 kHz	Other	
Signal/Noise Ratio:	85 dB or better at 1 kHz RE: + 18 dBu, measured at 20 Hz to 20 kHz	Limited Warranty:	One year
Isolation, L/R:	80 dB at 1 kHz	Compliance:	UL/CE listed/approved, FCC part 15
Impedance:	50 Ω		



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