



DSR-4530

Commercial Integrated Receiver/Decoder



An Advance Feature Digital Satellite Receiver for Cable Programmers and Operators

Highlights Include:

- Gig-E output for easy connection to digital cable headend products
- Advanced Modulation support with 8PSK Turbo
- ASI input/output
- 8 RF Inputs (L-Band)
- MPEG-2 Main Level@Main Profile
- DigiCipher® II MegaPipe+ Support
- Variable tuning from 4 MHz to 36 MHz
- Dolby® Digital and MPEG layer II audio processing
- VBI reinsertion SID/AMOL-II, NABTS and closed caption
- DigiCipher II conditional access control
- Quick disconnect screw terminals for easy installation
- 1RU chassis design
- Bypass video and audio inputs
- DTMF cue tones for local ad insertion
- 10/100 BaseT Ethernet port SNMP monitoring and control
- Dedicated video diagnostics output

- Over-the-air software download capability

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

The new DSR-4530 IRD from Motorola brings the latest technology advances from a recognized leader in satellite program delivery. Building on the DigiCipher II platform, the DSR-4530 IRD is affordable and easy to use. Its sleek packaging design fits in a standard 19" relay rack and requires only a single rack unit of space. The DSR-4530 is designed to deliver excellent video and audio performance. This receiver can output either NTSC or PAL video formats, automatically matching the programmer's video format.

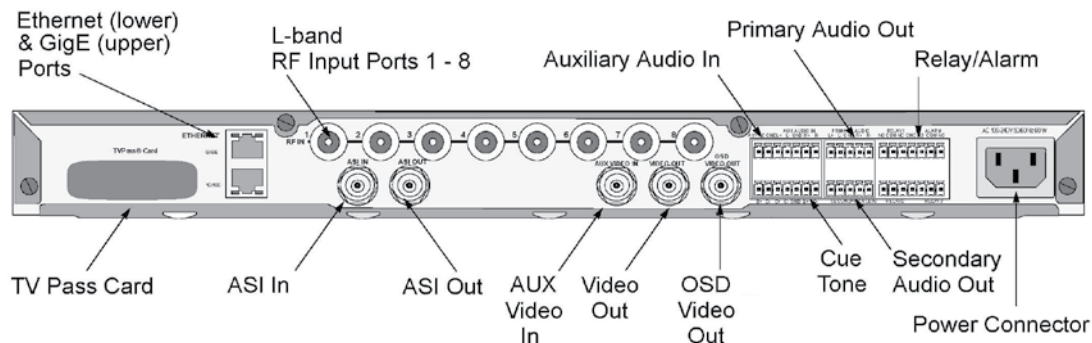
Equipped with DVB-ASI input/output and Gig-E output, the DSR-4530 is ready to connect easily to the rest of your headend equipment. The Gig-E port can be used to output a decrypted transport stream as well as encapsulated IP data while the 10/100 Base-T Ethernet connection allows for remote command/control capabilities via SNMP. For signaling existing headend equipment, a DSR-4530 DTMF tone generator interoperates with ad insertion systems, while three sets of contact closures are provided for general purpose device control.

With advanced modulation support, the DSR-4530 also supports 8PSK Turbo modulation.

SPECIFICATION SHEET

DSR-4530

TECHNICAL SPECIFICATIONS		Ethernet Output	
L-Band Input Input Frequency: 950 - 2150 MHz Input Impedance: 75 Ω Input Connectors: Eight (8) F-type LNB Power Out F-Connector: 16V DC min/450 mA Port-to-Port Isolation: 40 db (minimum)		Formats:	10/100BaseT and Gig-E
		Connectors:	Two (2) RJ-45
		ASI Input/Output	
		Format:	Asynchronous serial interface
DigiCipher II Processing Modulation Modes: OQPSK, QPSK, 8PSK Turbocode QPSK Symbol Rates: 3.25, 4.88, 7.32, 9.76, 11.71, 14.63, 19.51, 29.27 Msps 8PSK Turbo Symbol Rates: 1 to 30 Msps variable QSPK FEC Rates: 5/11 (19.51 & 29.27 Msps only) 1/2, 3/5, 2/3, 3/4, 4/5, 5/6, 7/8 8SPK Turbo FEC Rates: 2/3 (1.92), 3/4 (2.05), 3/4 (2.11), 3/4 (2.19), 5/6 (2.30), 8/9 (2.40)		Transmission:	Data byte and packet
		Standard:	CENELEC EN 50083-9
		Connector:	BNC
		Cue Tones	
Composite Video Frequency Response (NTSC): ±0.9 dB, 1kHz - 4.2 MHz Frequency Response (PAL): ±0.9 dB, 1kHz - 4.8 MHz Signal/Noise Ratio: 57 dB (min) Differential Gain: 4.5% p-p (max) (10% to 90% APL) Difference Phase: 4.5 deg. (max) Output Impedance: 75 Ω Output Level: 1.0 V p-p ± 10%		Signal Type:	Differential output
		Signal Level:	0 dBm, ± 3 dB (600 Ω)/tone
		Connector:	Quick disconnect screw terminal
		Contact Closures	
Audio Output: 2 stereo pair or 4 mono Output Level: ±16.0 dBm, ±1.0 dB into 600 Ω balanced load adjustable (0 to -15 dB) Frequency Response: ±1.0 dB, 20 Hz to 20 kHz Total Harmonic Distortion: 0.4% or better at 1kHz Signal/Noise Ratio: 85 dB or better at 1 kHz RE: + 16 dBm measured at 20 Hz to 20 kHz Isolation, L/R: 80 dB at 1 kHz Impedance: 50 Ω Connector: Quick disconnect screw terminal		Number of Closures:	4 (1 alarm)
		Type:	Form C
		Physical	
		Other	
Width:	18.9" (48cm)		
Depth:	18.11" (46cm)		
Height:	1.65" (4.2cm)		
		Weight:	12 lb (5kg) approx
		Power Input:	100-240 VAC, 50-60Hz, 60 W
		Operating Temperature:	0 to 40C
		Humidity:	95%, relative maximum
		Limited Warranty:	One year
		Compliance:	UL listed/approved



MOTOROLA

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