



DSR-4460



Commercial Integrated Receiver/Decoder

Highlights Include

- Stackable 1RU Chassis design
- 2 RF Inputs (L-Band)
- ASI Input
- Multi-format MPEG-2/4 HD/SD processing
- Digital component video output (HD/SD-SDI)
- with embedded audio
- AFD support for processing proper SD output aspect ratio
- Advanced Modulation support with DVB-S QPSK, and DVB-S2 QPSK/8PSK
- DigiCipher II conditional access control
- 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

Product Overview

The DSR-4460 Integrated Receiver/Decoder from ARRIS brings revolutionary technology advances from a recognized leader in satellite program delivery. The DSR-4460 can decode a MPEG-2 or MPEG-4, HD or SD service and deliver outstanding video and audio performance via HD/SD-SDI output or analog/composite video output. Its sleek packaging design fits in a standard 19" relay rack and requires only a single rack unit of space.

The Motorola DSR-4460 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-4460 supports both DVB-S QPSK and DVB-S2 QPSK/8PSK.

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Specifications

Input Frequency:	950 - 2150 MHz
Input Impedance:	75 Ω
Input Connectors:	Two (2) F-type
F-Connector:	16V DC min/450 mA
Port-to-Port Isolation:	40 db (minimum)
Digital Processing	
Modulation Modes:	DC-II QPSK, DVB-S QPSK, DVB-S2 QPSK/8PSK
Symbol Rates:	1 to 31.25 Msps
QSPK FEC Rates:	1/2, 3/5, 2/3, 3/4, 4/5, 5/6, 7/8
DVB-S2 FEC Rates:	3/5, 2/3, 3/4, 5/6, 8/9, 9/10
Composite Video Output	
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:	4.0% p-p (max) (10% to 90% APL)
Difference Phase:	1.5 deg. (max)
Output Impedance:	75 Ω
Output Level:	1.0 V p-p $\pm 10\%$
Audio Output	
Output:	2 stereo pair or 4 mono
Output Level:	± 18.0 dBu, ± 1.0 dB into 600 Ω balanced load, adjustable (0 to -18 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: + 18 dBu, measured at 20 Hz to 20 kHz
Isolation, L/R:	80 dB at 1 kHz
Impedance:	50 Ω

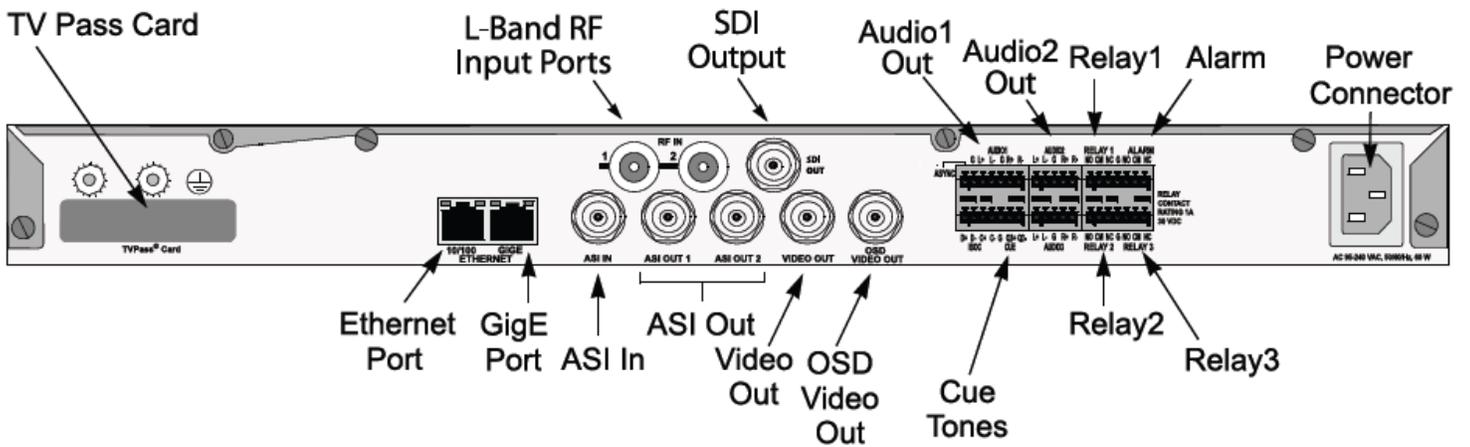
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HD/SD - SDI	
Output Level:	800 mV, ± 80 mV
Output Impedance:	75 Ω
Standard:	SMPTE-259M, SMPTE-292
Connector:	BNC
Contact Closures	
Number of Closures:	4 (1 alarm)
Type:	Form C
Ethernet	
Connectors:	Two (2) RJ-45
Formats:	10/100BaseT and 1000BaseT
ASI Output (2) / Input (1)	
Format:	Asynchronous serial interface
Transmission:	Data byte and packet
Standard:	CENELEC EN 50083-9
Connector:	BNC
Cue Tones	
Signal Type:	Differential output
Signal Level:	0 dBm, ± 3 dB (600 Ω)/tone
Connector:	Quick disconnect terminal
Physical	
Width:	18.9" (48cm)
Depth:	20.5" (52.1cm)
Height:	1.65" (4.2cm)
Weight:	12 lb (5.5kg) approx
Power Input:	95-240 VAC, 50-60Hz, 60 W max
Operating Temperature:	0 to 50C
Humidity:	95%, relative maximum
Display:	2 line, 40 character LCD
Other	
Limited Warranty:	One year
Compliance:	UL/CE listed/approved, FCC part 15

Note: All features, functionality, and other product specifications are subject to change without notice or obligation.

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

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