

DSR-4460

Commercial Integrated Receiver/Decoder



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 ARRIS 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.



KEY FEATURES

- Stackable 1RU Chasis design
- 2 RF Inputs (L-Band) and 1 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
- 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

SPECIFICATIONS		
L-Band Input		
Input Frequency	950 - 2150 MHz	
Input Impedance	75 Ω	
Input Connectors	Two (2) F-type	
LNB Power Out	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, 8PSK Turbocodes	
Symbol Rates	1 to 31.25 Msps	
FEC Rates		
QPSK	1/2, 3/5, 2/3, 3/4, 4/5, 5/6, 7/8	
DVB-S2 8PSK	3/5, 2/3, 3/4, 5/6, 8/9, 9/10	
8PSK Turbocodes	2/3 (1.9), 3/4 (2.05), 3/4 (2.11), 3/4 (2.19), 5/6 (2.30), 8/9 (2.40)	
Aspect Ratio Conversion (HD down-conversion)	4x3 center-cut, 4x3 letterbox, 14:9 and anamorphic	
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 Lough	$1.0 \text{ V p-p} \pm 10\%$	
Output Level	$1.0 \ V \ P \ P \ \pm 10\%$	

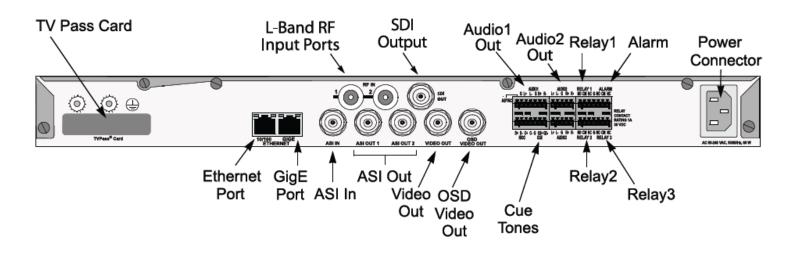


SPECIFICATIONS (CONTINUED)

Audio Output			
Output	Two stereo pair or four 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		
Audio Impedance	600 Ω load	600 Ω load	
HD/SD-SDI			
Output Level	800 mV, ±80 mV		
Output Impedance	75 Ω		
Standard	SMPTE-259M, SMPTE-292	SMPTE-259M, SMPTE-292	
Connector	BNC	BNC	
Ethernet Management Port			
Connector	RJ-45		
Format	10/100BaseT		
GigE Interface			
Connector	RJ-45	RJ-45	
Format	10/100/1000BaseT	10/100/1000BaseT	
ASI Interface			
Format	Asynchronous Serial Interface	Asynchronous Serial Interface	
Transmission	Byte or packet mode	Byte or packet mode	
Standard	CENELEC EN 50083-9	CENELEC EN 50083-9	
Connectors	BNC (two out, one in)	BNC (two out, one in)	
Contact Closures			
Number of Contact Closures	Four (one alarm)	Four (one alarm)	
Contact Closure Type	Form C	Form C	
Cue Tones			
Signal Type	Differential output	Differential output	
Signal Level	0 dBm, \pm 3 dB (600 Ω)/tone	0 dBm, ± 3 dB (600 Ω)/tone	
Connector	Quick disconnect terminal		
Physical			
Width	18.9 in (48cm)	18.9 in (48cm)	
Depth	20.5" (52.1cm)	20.5" (52.1cm)	
Height	1.65 in (4.2cm)		
Weight	12 lb (5.5kg) approx	12 lb (5.5kg) approx	
Power Input	95-240 VAC, 50-60Hz, 60 W max		
Operating Temperature	0 °C to 50 °C	0 °C to 50 °C	
Humidity	95% relative maximum		
Display	Two line, 40-character LCD	Two line, 40-character LCD	
Other			
Limited Warranty	One year		
Compliance	UL listed/approved, FCC part 15 © 2016 ARRIS Enterprise	s IIC All rights reserved	



DSR-4460 REAR PANEL



MODEL AND ORDERING INFORMATION			
Model Name	Part Number	Description	
DSR-4460	573584-001-00	Single Channel Decoder with HD/SD SDI Output	

CUSTOMER CARE

Contact Customer Care for product information and sales:

· United States: 866-36-ARRIS

• International: +1-678-473-5656

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