

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 | $1.0 \ V \ P \ P \ \pm 10\%$ | |

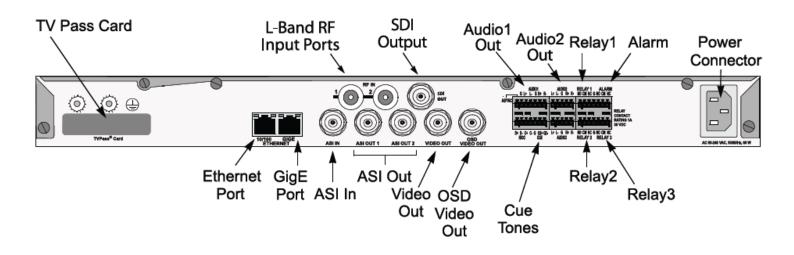


SPECIFICATIONS (CONTINUED)

| 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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