

DSR-5200V

NETWORK AND DESKTOP RECEIVER FOR EDUCATION AND PRIVATE ENTERPRISE NETWORKS



KEY BENEFITS :

- » **Ethernet Connectivity:**
Integrated Receiver/Decoder with built-in 10baseT LAN connection
- » **Satellite Delivered IP:**
IP over MPEG-2 in parallel with broadcast-quality video and audio for point-to-point and point-to-multipoint communications.
- » **Variable Symbol Rates:**
Operates from 1.83 Mps to 29.27 Mps to support partial and full transponder applications
- » **Emmy Award-Winning Security:**
DigiCipher® II access control and anti-piracy technology. TvPass® card slot for renewable security

Advanced Digital Satellite Receiver for training, distance learning, file transfer, internet/intranet access

General Instrument's DSR-5200V is the perfect receiver for today's converging networks of WAN, LAN, VSAT, IP, satellite, and telco. Equipped with a 10baseT network interface module that allows direct connection to a LAN, the DSR-5200V delivers mission-critical data and video to an enterprise network. With a non-invasive connection to any IT network, installation is easy. Configuration of the network interface module is controlled via a RS-232 interface and supports file management and Internet protocols such as Telnet, SNMP, MIB II, ICMP, and FTP. Software downloads for the DSR-5200V are also available over satellite.

General Instrument is the world leader in high-quality, end-to-end digital transmission systems.

FOR EDUCATION AND PRIVATE ENTERPRISE NETWORKS

DSR-5200V



PRIMARY FEATURES:

TCP/IP router and bridge	Virtual channel maps downloaded over satellite link
SLIP or PPP	29-key IR remote control
SNMP capability	Closed caption pass-through, F1/F2
Up to 9 Mbps data throughput sustained	Supports both C- and Ku-band
MPEG-2-transport standard compatible	Tabletop chassis for easy setup
Digital stereo Dolby AC-3 Audio	TvPass® card renewable security-ready
Extended range tuner, 950 – 1550 MHz	

SPECIFICATIONS:

Input Specifications

Input Frequency	0.95 to 1.55 GHz
Input Impedance	75 Ω

Digital Processing

Modulation Modes	QPSK and QPSK
Symbol Rate Range	1.83 Msps to 29.27 Msps
Forward Error Correction	@ 1.83 and 2.44 Msps = 3/4, 4/5, 5/6, 7/8, @ 3.25 to 14.63 Msps = 1/2, 3/5, 2/3, 3/4, 4/5, 5/6, 7/8 @ 19.51 and 29.27 Msps = 5/11, 1/2, 3/5, 2/3, 3/4, 4/5, 5/6, 7/8 4.0 @ 19.51 Msps
E_b/N_0 (FEC = 3/4)	

Video

Output Level	1 V p-p into 75 Ω
Frequency Response (Composite, Component Y/C, and OSD)	± 1.0 dB (DC to 4.2 MHz)
C/L Delay Inequality	± 50 nsec (composite only)
Differential Gain	5% p-p max. (10 – 90% APL)
Differential Phase	5 deg. p-p max. (10 – 90% APL)
Signal/Noise Ratio	57 dB luminance weighted

Audio

Output Level	4.2 V p-p $\pm 10\%$, for encoder input of 16.0 dBm @ 1 kHz
Frequency Response	± 1.5 dB p-p, 20 Hz to 20 kHz
Total Harmonic Distortion	max. 0.4% or better, 84 dB or better
Signal/Noise Ratio	RE: 5 Vp-p measured at 1 kHz
Isolation	80 dB, 1 kHz

RF Re-Modulator

Channels	3 or 4 switchable
RF Output	66 dBuV ± 3 dB
RF Impedance	75 Ω

Physical Environment

Temperature	0° to 40° C ambient
Humidity	95% relative
Dimensions	43.2 cm W x 35.7 cm D x 8.6 cm H
Weight	approx. 4.5 kg
Power Input	85-135 VAC @ 60 \pm 3 Hz
Nominal Power Consumption	42 watts
UL, CSA, CE	listed

Data

Asynchronous	RS-232, 1200 bps to 19.2 kbps
LAN Interface	RJ-45 10baseT Ethernet 19.2 kbps to 9 Mbps

Other

Limited Warranty	one year
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For more information on the DSR-5200V receiver or the rest of the DigiCipher® II product line, please contact us or visit our web site.



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Features and functions subject to change without notice.

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