



Professional multichannel sound cards

HR series of VX sound cards

The new industry standard

Digigram sets a new industry standard by taking its VX range of linear sound cards to the next level: Presenting the High Resolution series for demanding applications in broadcast such as production, on-air, and logging. State of the art sound quality, more features, and greater flexibility for custom developments make the new generation the N° 1 choice for pro audio manufacturers and software vendors.

The VX882HR and VX881HR multichannel sound cards are the first to benefit from the characteristics of the HR series.

Key features HR series of VX sound cards

- 24-bit/192 kHz converters
- Hardware sample rate converters for simultaneous recording of digital signals with different sample frequencies
- 66 MHz/64-bit PCI interface
- Comprehensive set of drivers: Digigram np, WDM DirectSound, Wave, ASIO
- Short-length PCI format (only 175 mm/6.875 inches long)
- Companion board connector for Digigram or custom add-on cards

Key features VX882HR, VX881HR

- First VX sound cards with 8 inputs and 8 outputs
- VX882HR: analog and digital I/Os
VX881HR: digital I/Os
- Optional breakout box

VX882HR

VX881HR

Bus/Format	64-bit/66 Mhz Universal PCI, PCI and PCI-X compatible, master mode	
Size	175 mm X 99 mm X 20mm, requires a single PCI slot, short-length PCI slots compatible	
Digital Signal Processor	Motorola 56311 at 150 MHz	
Inputs		
Balanced analog line inputs (mono)	8	-
Maximum input level / impedance	+24 dBu / > 10 kΩ	-
Sampling frequencies available	Programmable from 8 to 192 kHz	-
A/D and D/A converter resolution	24 bits	-
Digital inputs (stereo)	4 AES/EBU with hw Sample Rate Converters, 1:3 to 3:1, up to 96 kHz	
Programmable input gain	analog and digital	digital
PCM recording (encoding)	8, 16 or 24 bits	
Other inputs	AES/EBU Sync (up to 192 kHz), Word clock (up to 96 kHz), LTC, Video	
AES11 synchronization	Yes	
Outputs		
Analog line outputs (mono)	8 servo-balanced	-
Maximum output level / impedance	+24 dBu / < 100 Ω	-
Digital outputs (stereo)	4 AES/EBU, up to 192 kHz	
Programmable output gain	analog and digital	digital
Other outputs	Wordclock, interboard sync, companion board connector	
Connectors		
External connector	62-pin SUB-D	
Digigram accessories available	Breakout cable or 2-RU Breakout Box	
Internal connectors	Inter-board Sync and Companion Board Link	
Audio performance measured at Fs=48 kHz		
Frequency response (record + play)	20 Hz -20 kHz: ±0.2 dB	-
Dynamic range	Analog In: >104 dB	-
(A-weighted)	Analog Out: >104 dB	-
THD + noise 1 kHz at -1 dBfs	Analog In: <-97 dB	-
(A-weighted)	Analog Out: <-94 dB	-
Channel phase difference: 20/20kHz	0.2° / 2°	
Crosstalk (Analog in or out)	1 kHz at 22 dBu: <-100 dB	-
	15 kHz at 22 dBu: <-85 dB	-
Development environments and on-board processing		
Supported OS	Windows 2000 and XP	
Management	np SDK, Wave, ASIO, DirectSound (all: PCM only)	
Main on-board processing features (with np SDK)	PCM play, rec, direct monitoring, real-time mixing, level adjustment, panning, cross-fade, punch-in/punch-out, scrubbing, frequency conversions	



Networking Your Sound

Digigram (www.digigram.com) digital audio solutions are key to the success of public address and pro sound installations, as well as broadcast and media production companies worldwide. We develop innovative networked audio devices, computer sound cards, and audio management software.

Digigram Powered solutions are installed in thousands of radio and television stations; corporate and commercial sound installations; and audio recording and video post-production facilities around the globe.

Customers are served from three regional business units: Digigram SA (Digigram Headquarters, Montbonnot, France), Digigram Inc. (Arlington, VA USA), and Digigram Asia (Singapore). Digigram is publicly traded on the Paris stock exchange (Code ISIN: FR 00000 35784).

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