SOUNDCRAFT

HARMAN PROFESSIONAL AUDIO SYSTEMS

TECHNICAL DATASHEET

SKU: 5059729HU

ViLR-96FO 96kHz Fully Multimode Optical Local Rack

High-Resolution 96kHz Digital Audio Engine & Full Multimode Optical MADI Interface Local Rack for Soundcraft Vi Series Consoles

01. PRODUCT OVERVIEW

The Soundcraft ViLR-96FO Local Rack (SKU: 5059729HU) is a premier 96kHz-capable DSP engine and optical routing hub designed specifically for large-scale Soundcraft Vi Series digital mixing console systems.

Equipped with high-bandwidth 50/125 µm Multimode Optical MADI cards, dual redundant power supplies, and high-density DSP cards, the ViLR-96FO handles zero-latency audio routing, Lexicon FX processing, and multi-channel optical stagebox connectivity for touring and fixed installations.

02. KEY FEATURES & HIGHLIGHTS

- **96kHz High-Definition Processing:** Native 96kHz processing core delivering ultra-low latency, pristine audio imaging, and expanded DSP headroom.
- **Full Multimode Optical MADI:** Factory configured with SC / Neutrik opticalCON Multimode fiber interfaces for long-distance stagebox linking.
- **Dual Redundant Power Supplies:** Hot-swappable dual AC power supply units ensuring uninterrupted performance for live touring and broadcast.
- **High Modular Card Density:** Modular D21m card architecture supporting analog, AES/EBU, Dante, MADI, and ADAT I/O cards.
- **Integrated BSS Dynamic EQ & FX:** Onboard DSP engines running BSS Graphic EQs and Lexicon multi-effects processors natively at high sample rates.

03. TECHNICAL SPECIFICATIONS

Part / SKU	**5059729HU**
Sample Rate	96 kHz (Supported 48 kHz Native)
Optical Interface	50/125 µm Multimode Optical MADI (FO)
Optical Wavelength	850 nm / 1300 nm Multimode Transceivers
DSP Processing	High-Density Multi-Core Floating Point DSP
Power Redundancy	Dual Hot-Swappable Universal PSU Modules
Internal Bus Cards	D21m Modular Card Bay System
Condition	Factory Certified Local Rack System

04. SYSTEM COMPATIBILITY

Control Surfaces	Soundcraft Vi4, Vi6, Vi5000, Vi7000 Consoles
Stageboxes	Optical Vi Stagebox, Compact Stagebox (Optical MADI)
Fiber Cables	50/125 µm Multimode Optical Fiber Snakes

05. PHYSICAL & ELECTRICAL SPECIFICATIONS

Rack Size	4U Standard 19" Rack-Mount	**Dimensions**	19.0" x 15.0" x 7.0" (483 x 381 x 177 mm)
Net Weight	approx. 15.5 kg (34.1 lbs)	**Mains Supply**	Dual 100V - 240V AC, 50/60 Hz

Operation Notice: Ensure both power supplies are connected to independent AC circuits for full power supply redundancy. Keep protective dust caps attached to all un-mated Optical MADI ports.

Soundcraft & Vi Series are registered trademarks of HARMAN International Industries, Incorporated.
Document Part Number: DS-5059729HU-V1 | Technical Specifications are subject to change without prior notice.