



CRADLE SERIES RF01

Compact to Fit. Modular to Build. Simple to Run

A Compact 1RU Modular Media Chassis



More Compact

Professional media capabilities in a smaller 1RU footprint



More Integrated

Bring multiple media functions into one chassis for a cleaner, more centralized setup



More Flexible

Choose only the media functions you need and keep smaller projects easy to deploy



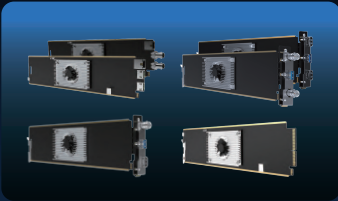
More Cost-Efficient

A more practical investment for smaller professional media systems

A Better Fit for Smaller Media Systems

RF01 is a 1RU rack-mounted media platform in the Kiloview Cradle Series, featuring four modular card slots for flexible combinations of encoding, decoding, multiview decoding, and media gateway functions, with each card connecting directly to the existing network.

By bringing multiple media functions into one compact chassis with shared power, cooling, and rack installation, RF01 provides a simpler and more space-efficient way to build professional media systems for small studios, corporate and education environments, mobile production, and other smaller-scale workflows.



Mix & Match of Up to 4 Media Cards

RF01 supports a flexible mix of 4K and HD encoding/decoding, multiview decoding, and media gateway functions. Users can install one to four compatible media cards and tailor the configuration to different project requirements.



Consolidate Media Functions in One Chassis

Consolidating multiple media functions in a single 1RU chassis, RF01 reduces separate devices, power supplies, and mounting hardware. Shared power, cooling, and rack installation simplify deployment and save rack space.



System Status at Your Fingertips

RF01 features a 1.9-inch LCD and 6 physical buttons for quick access to chassis, card, network, and alert information, with basic local control for easier on-site setup and maintenance.



Expand Without Replacing Media Cards

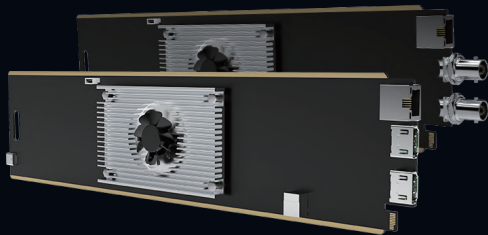
RF01 shares the CRADLE media card ecosystem with RF02-LC and RF02. As system capacity grows, RF01-supported cards can be moved to a larger chassis and continue to be used.



Redundant Power & Active Cooling for Reliable Operation

2 × 120W redundant power supplies reduce the risk of power interruption, while active chassis cooling maintains proper airflow for installed media cards.

Optional Service Cards



FN-50 / FN-60 4K Bidirectional Conversion Cards

FN-50/FN-60 are all-in-one 4K bidirectional encoding and decoding cards. Supporting H.264, H.265, and NDI SpeedHQ, they work with NDI High Bandwidth, NDI HX2/HX3, SRT, RTMP, HLS, TS over UDP, RTP, and RTSP. Built for professional broadcast, the FN-50/FN-60 provide exceptional 4:2:2 10-bit HDR image quality. Powered by the latest NDI 6.2, the cards deliver improved performance and workflow efficiency.



Bidirectional Converter: Encode or decode 12G-SDI/4K HDMI over NDI, SRT, RTMP and more, with automatic stream detection and loop-out monitoring.



Built-in NDI Bridge: Enable seamless NDI video transmission across different networks or geographic locations for remote production.

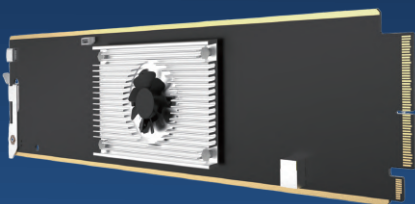


4K Tier-1 Image Quality: Deliver 4:2:2 10-bit HDR 4K video, providing exceptional color accuracy, rich tonal range, and vivid visuals.



Professional Tools: Tally light, PTZ control, KIS Pro intercom, NAS remote recording, etc.

FMG-400 All-in-one Media Gateway Card



FMG-400 is an all-in-one media gateway card integrating protocol conversion, transcoding, and stream distribution. It supports transcoding of H.264, H.265, and SpeedHQ, with streaming across HDMI High Bandwidth, NDI HX2/HX3, SRT, RTMP, RTSP, RTP, UDP, and HLS. Works with RF02 bonding, FMG-400 can receive streams from P-Series 4G/5G wireless bonding encoders, connecting remote sources directly into IP workflows for live production, conferencing, and more.



Powerful Transcoding Capabilities: Handles up to 1×4Kp30 or 3×1080p60 simultaneous streams, flexible H.264/H.265/SpeedHQ conversion, and adjustable resolution, frame rate, and bitrate. Also supports audio transcoding for AAC, MP3, and PCM.



Versatile Streaming Capabilities: Supports push/pull operations, unicast/multicast delivery, and multi-protocol/multi-bitrate output with minimal setup.



Intuitive Source-to-Output Switching: Features a visual crosspoint grid for instant input-to-output switching, with automatic discovery of RF02 sources and destinations for streamlined setup and signal routing.

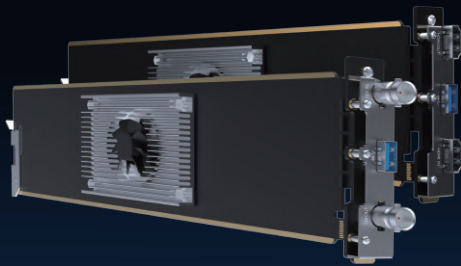


Bonded Stream Conversion: Works with RF02's bonding reception to convert streams from up to 8 P-Series 4G/5G encoders into NDI HX, SRT, RTMP, and more, enabling seamless remote production with broadcast-grade reliability.

FN-7/FN-8

HD Bidirectional Conversion Cards

FN-7/FN-8 are the easiest and most cost-effective way to get access to the fabulous NDI world, offering low latency and high image quality. These bi-directional conversion cards feature 3G-SDI/HDMI I/O ports for all NDI formats (including NDI High-Bandwidth and NDI HX2/HX3) and also support SRT, RTMP, and RTSP protocols. They can process NDI sources from any camera, software, or device.



1080P

Resolution Up to 1080p60



3G-SDI/HDMI<=> IP Conversion



NDI HB, NDI HX2, NDI HX3, SRT, RTMP, RTSP, HLS, RTP, and TS-UDP

FD-360

4K Multi-functional Decoding Card

FD-360 multi-functional decoding card is an all-in-one video processing card that supports various network video stream formats, including NDI HB, NDI HX2/HX3, SRT, RTMP, UDP, RTP, and RTSP, ensuring stable audio/video synchronization via SDI and HDMI. It supports decoding up to 12-CH 1080P60 video streams and features hardware-based multiview monitoring for real-time preview and switching.

1080P

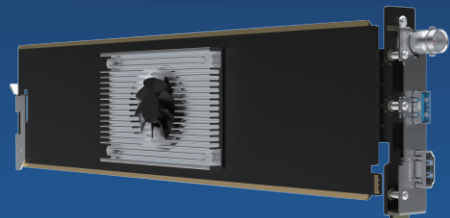
Decode Up to 12-CH 1080p60 Video Streams



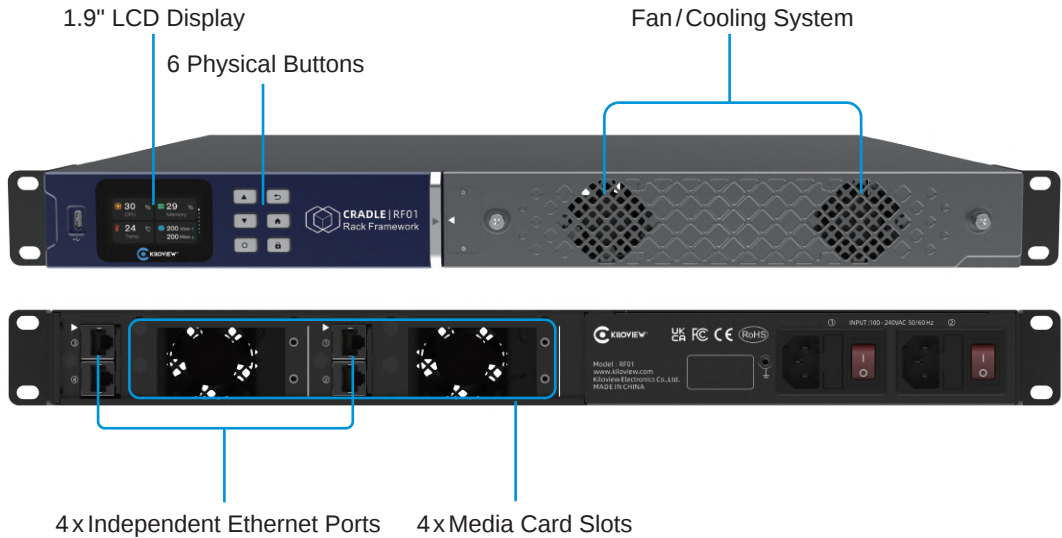
NDI HB, NDI HX2, NDI HX3, SRT, RTMP, UDP, RTP, and RTSP



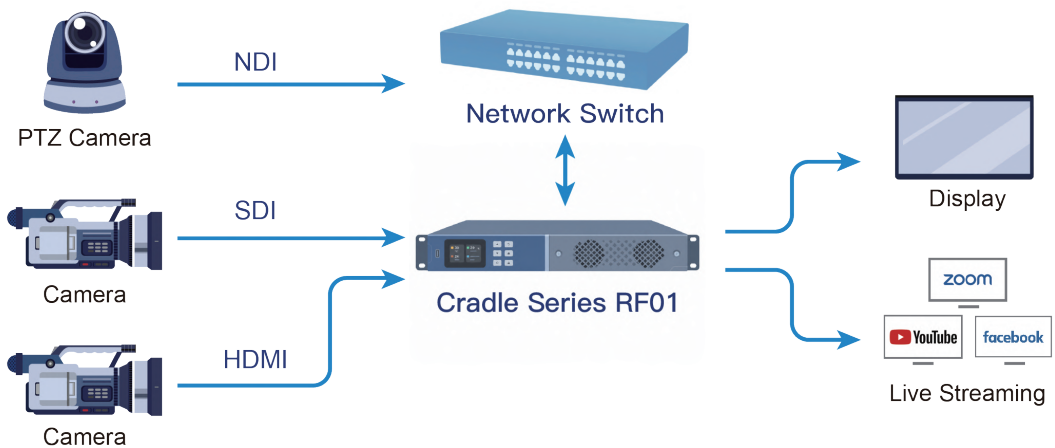
Flexible Layout, Hardware Multiview



Interfaces



Applications



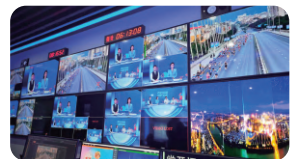
Small Broadcast Studio



Corporate AV Room



Education & Lecture



Mobile & Live Event

RF01 Specifications

Model	RF01
Product Type	1RU Rack-Mounted Media Platform
Media Card Slots	4
Card Configuration	Configurable with 1–4 media cards
Network Interfaces	4 × independent Ethernet ports, one per media card slot
Network Switching	Via external network switch
Display	1.9" LCD
Local Control	6 physical buttons
Power Supply	2 × 120W internal redundant power supplies
Cooling	Active cooling with fan module
Media Processing	Determined by the installed media cards



Please scan with browser.

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Reminder: All photoes are for reference only, and specifications are subject to the physical product.