Parameter

Model	Kiloview NDI EFP System
Functions	Multi-camera production/live streaming/recording/PTZ control/multi-party voice intercom, etc.
Component	Main box (8U) *1 + Small equipment box *2
Channel Capacity	12-16 channels of 1080P, or 4-6 channels of 4K (this capacity depends on hardware configuration and performance)
Equipment configuration	NDI encoders/decoders, Multiview Pro, CUBE X1 NDI CORE, CUBE R1 Recorder System, KiloLink server, KIS, Kiloview LinkDeck, etc.
Protocols	NDI High Bandwidth，NDI|HX2, NDI|HX3,SRT, RTMP
Main box parameter	Size: 647*576*440m, Weight of the standard version: 50kg, Weight of the strengthened shockproof version: 60kg.
Core switch interface	24-port Gigabit Ethernet, 4-port 10-Gigabit SFP+, POE, AC power supply (switch optional)
Operation control	Web/Kiloview LinkDeck
Management	Web/KiloLink Server
Main box power supply	220V
Operating temperature	-20℃~55℃ (Storage temperature: -40℃~60℃)

Note:1. The main box contains a core switch, according to the needs of users, to purchase cameras, PTZ cameras, access switches, monitors, mixers, subtitles software and others.
2. Two equipment boxes, respectively configured Kiloview LinkDeck, 6–8 NDI encoders/decoders, a number of auxiliary materials.
3. The image is for reference only. The actual product and functions shall prevail.

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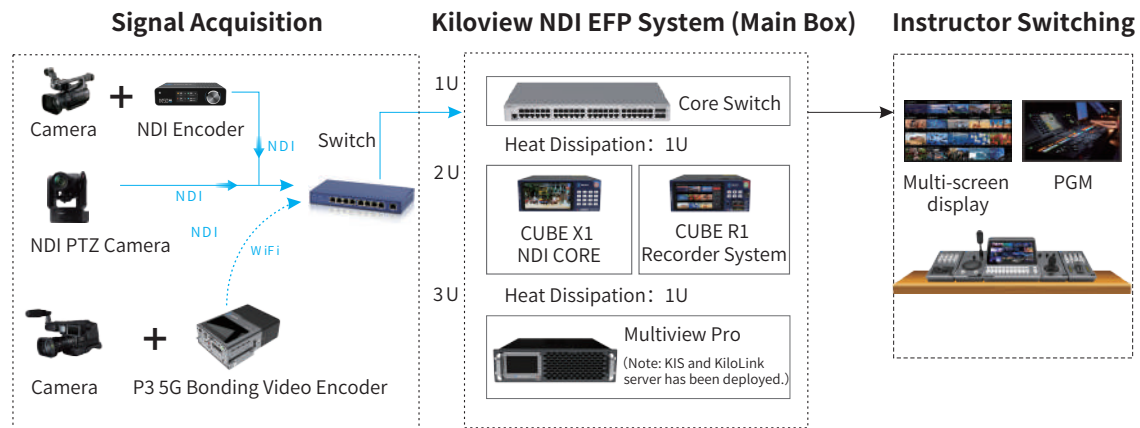
KILOVIEW®

Kiloview NDI EFP System

Product Introduction and Functions:

As the world's leading video IP–based transmission solution expert, in order to meet the requirements of all walks of life for high quality and high convenience live program production, Kiloview launched the lightweight NDI EFP system to meet the needs of broadcasting and high–definition program production.

Kiloview NDI EFP System is composed of an 8U main box and two portable equipment boxes, the main box is equipp–edwith a CUBE X1 NDI CORE, a CUBE R1 Recorder System, Multiview Pro, and a ten Gigabit switch with PoE power supply. One portable equipment box is equipped with Kiloview LinkDeck, while the other one contains several NDI encoders/decoders and some auxiliary materials. The whole system supports 12 channels of 1080P or 4 channels of 4K video stream input, with multi–camera production, live streaming, recording, distribution, PTZ control, multi–party voice intercom, equipment centralized management and other comprehensive functions.

Based on complete NDI/IP, Kiloview NDI EFP System meets the professional quality requirements of broadcasting gr–ade, and has many advantages such as portability, flexibility, stability, and cost–effective . These advantages greatly expand it's applications, such as radio and television stations, convergence Media, government agencies, colleges, enterprises, companies and other media of multi–camera program recording and live streaming.

EFP System Architecture

Signal Acquisition

Camera + NDI Encoder

NDI PTZ Camera

Camera + P3 5G Bonding Video Encoder

NDI / WiFi → Switch

Kiloview NDI EFP System (Main Box)

- 1 U — Core Switch
- Heat Dissipation: 1 U
- 2 U — CUBE X1 NDI CORE | CUBE R1 Recorder System
- 3 U — Heat Dissipation: 1 U
- Multiview Pro (Note: KIS and KiloLink server has been deployed.)

Instructor Switching

Multi-screen display | PGM

Note:
1. EFP System main box is equipped with core switcher, CUBE X1 NDI CORE, CUBE R1 Recorder System, Multiview Pro. KIS and KiloLink Server are also deployed in the system.
2. There are two equipment boxes, one is equipped with Kiloview LinkDeck, another one includes 6–8 encoders, camera, PTZ camera, access switcher, monitor, mixer and others.
3. The main box of EFP System is an 8U space, the weight of the standard version is about 50kg, the weight of the strength-ened shock-proof version is about 60kg.

Key Features

Lightweight and Easy to Carry
The system consists of an 8U main box and two small equipment boxes, easy to carry and transport, 12–16 channels of 1080P or 4–6 channels of 4K video transmission is available.

Ultra Flexible and Easy to Expand
The on-site IP signal can be used for multi-node and multi-terminal applications, support external signal input, and can also seamlessly connect with other production systems.

Cost-effective
Low cost system, enjoy broadcast grade quality.

Easy to Deploy and Operate
Based on IP, one network cable to solve multi-channel transmission /Tally/PTZ/PoE/voice intercom and other services, plug and play, supports Kiloview LinkDeck or Web side remote centralized operation.

Multi-function and Multi-application
Kiloview NDI EFP System can achieve multi-channel signal acquisition, transmission, switching, live stream-ing, recording, distribution, PTZ control, multi-party voice intercom, equipment centralized management and more functions.

Embedded Hardware, Stable and Reliable
Low power consumption embedded hardware, shock-proof box design, etc., to ensure stable and reliable system operation.

Main Equipment of EFP System

CUBE X1 Distribution System
- Non-Multicast Multiplex Distribution
- Up to 16 Channels of NDI Input and 32 Output
- Compatible with NDI Signals of any Formats/Devices
- Seamless Switching
- Group Management
- User-Friendly Interfaces

Multiview Pro
- Unlimited NDI Sources
- Custom Layout
- Server Based, Fully Control from Anywhere
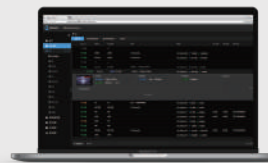- Multi Windows & Multi Screens Monitoring

CUBE R1 Recorder System
- Up to 9CH Recording Simultaneously
- All NDI Formats Supported
- Recording while Playback
- Original NDI Codec Recording & Transcoding
- Flexible Recording Storage Options and Strategies
- User-Friendly Interfaces

Kiloview LinkDeck
- Modular Design, Working Independently or Collaboratively
- Easy Operation with Soft and Physical Keys
- Web-Based Technology for Real-Time Control
- Open for Customization, Everything can be Controlled

KiloLink Server
- Centralized Management
- Web Page Login, User Friendly
- RUDP Based, Make Transmission Safer
- Easy Deployment
- Ultra-low CPU/RAM Usage

N50/N60-4K NDI Converter
- Encoding & Decoding with One Unit
- Ultra-low Latency
- Pro-Level Color Performance
- Built-in LCD Screen and Scroll Wheel
- KIS Intercom
- Central Management