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Images are for reference only. Please refer to the actual product for appearance & functionality

Breaking Boundaries – Your AV over IP Trailblazer

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ABOUT US

Established in 2011, Kiloview is the leading hardware manufacturer and software developer in the AV over IP industry. Our product line covers a comprehensive range of turnkey solutions, including conversion, transmission, management, monitoring, and recording. Kiloview has rapidly emerged as one of the fastest-growing companies in IP-based industries, ranking No.1 in both technological capabilities & brand influence within the NDI domain.

Through a portfolio boasting 60+ intellectual property rights & software copyrights, Kiloview remains committed to "Solving Customers' Real Problems". We have continuously pushed boundaries and established long-term strategic partnerships with NewTek, BBC, NBC, CCTV, Youku & many other industry partners. The sales network extends to 150+ countries & regions.

Determined to be "Your AV over IP Trailblazer", we focus on foundational AV over IP technologies. In the ever-evolving landscape, Kiloview prioritize innovative R&D to deliver revolutionary solutions to customers.

15+
Years of Technical Accumulation

10,000+
Customers Served

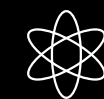
150+
Countries and Regions Covered

300,000+
Product Units Sold



Breaking Boundaries - Your AV over IP Trailblazer

Kiloview focuses on the field of AV over IP, continuously pushing the boundaries of technology to provide you with innovative products & solutions.



Cutting-edge Technology



Comprehensive Solutions



Quality Assurance

Complete IP-based

Lightweight

24*7

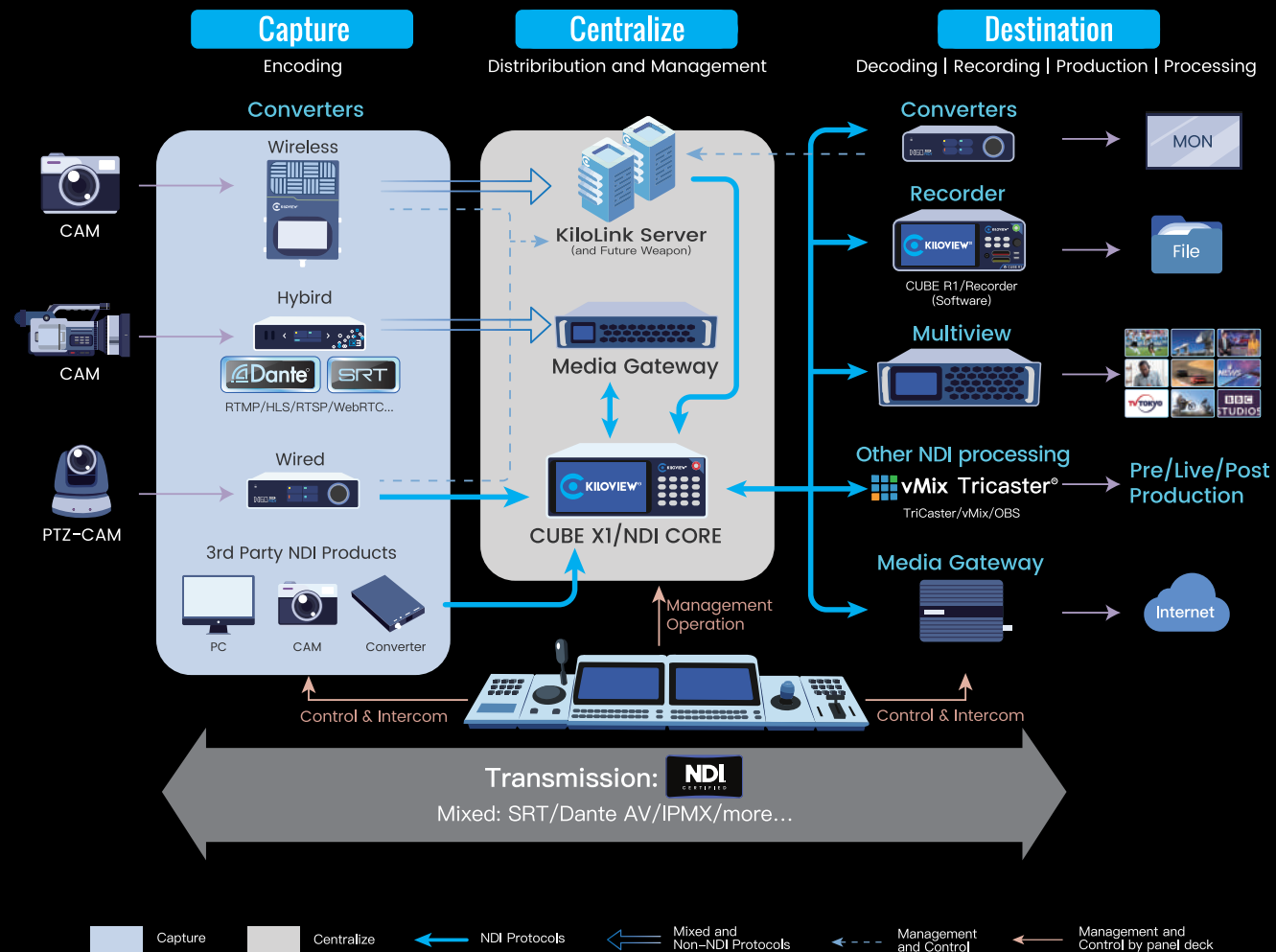
From the hot African continent to the cold Nordic ice fields, from the spirited San Fermin to the mysterious Sanxingdui Archaeological Site, from the rocket launch monitoring to "Jiaolong" Deep Sea video transmission, Kiloview captures every vision of this world.



WHAT DO WE DO

- Lightweight
- Flexibility
- Expandable
- Interoperability
- Easy Deployment
- Powerful Management

Kiloview specializes in providing comprehensive one-stop solutions for AV over IP industry. With core KiloLink & NDI technologies, we've built a complete IP ecosystem covering video capture, encoding, management, recording, decoding, monitoring, and production. This ecosystem, characterized by its full IP-based & lightweight advantages, is widely applicable across various fields, including broadcasting, healthcare, education, conferences, sports, houses of worship & other AV-related industries.



Complete IP Integrated Solution

In the AV over IP field, Kiloview provides a total IP ecosystem for users, covering various industry scenarios.

Broadcast

- 5G 4K NDI OB Van
- Portable NDI EFP
- Reality Show Centralized Monitoring and Recording

Conference

- On-Site Meeting Room Interconnection
- Conference Camera NDI Product Matching/Custom Upgrade

Healthcare

- Surgical Training
- Surgical Video Recording
- Multi-Venue Live Streaming

Sports

- Sports Live Streaming
- Assisting Referee Monitoring
- Multi-Arena Centralized Live Streaming
- Multi-terminal NDI Screen Casting in Arenas

Education

- On-Campus Television Station
- Multi-Campus Centralized Live Streaming
- Lecture Recording/Online Lecture

House of Worship

- Weekly Service Streaming
- Holiday Celebrations Recording
- Weddings Recording & Streaming



For detailed solutions, please refer to the "Kiloview Solutions Manual". You can also scan the QR code or visit www.kiloview.com for more.

WHY CHOOSE US



The most Comprehensive IP Solutions globally

Providing users with one-stop AV over IP solution, covering encoding, decoding, network transmission, streaming, monitoring, central management, recording, and other AV related applications.



Top.1 Technical Strength @ NDI

Since 2016, Kiloview has been collaborating closely with NDI officials to enhance & refine the NDI ecosystem. Leveraging years of technological expertise and innovation, Kiloview proudly introduces the industry's first total NDI studio & NDI OB van.



Integrated R&D, Production and Sales, independent software & hardware

R&D personnel account for 55%, holding 60+ domestic & global patents, software copyrights, and other intellectual property rights.

Official Partners

Kiloview insists on providing the most professional AV over IP solutions to clients across various industries worldwide.



03 NDI SOLUTIONS

Kiloview offers the most comprehensive solutions in the NDI field. The product line covers NDI transmission (encoders/decoders), NDI distribution systems, NDI multiview monitoring, NDI multi-channel recording, NDI protocol conversion, real-time voice call and centralized device management platform.

The product family is NDI Officially Certified, and seamlessly integrates with products from other manufacturers, ensuring perfect compatibility with production systems from Panasonic, Sony, vMix, OBS, and many more.

- CUBE X1 Distribution System
- NDI CORE MAX
- CUBE RI NDI Multi-Channel Recording System
- NDI Recorder (Software)
- NDI CORE (Software)
- Multiview Pro NDI Monitoring System
- LinkDeck IP Control Panel

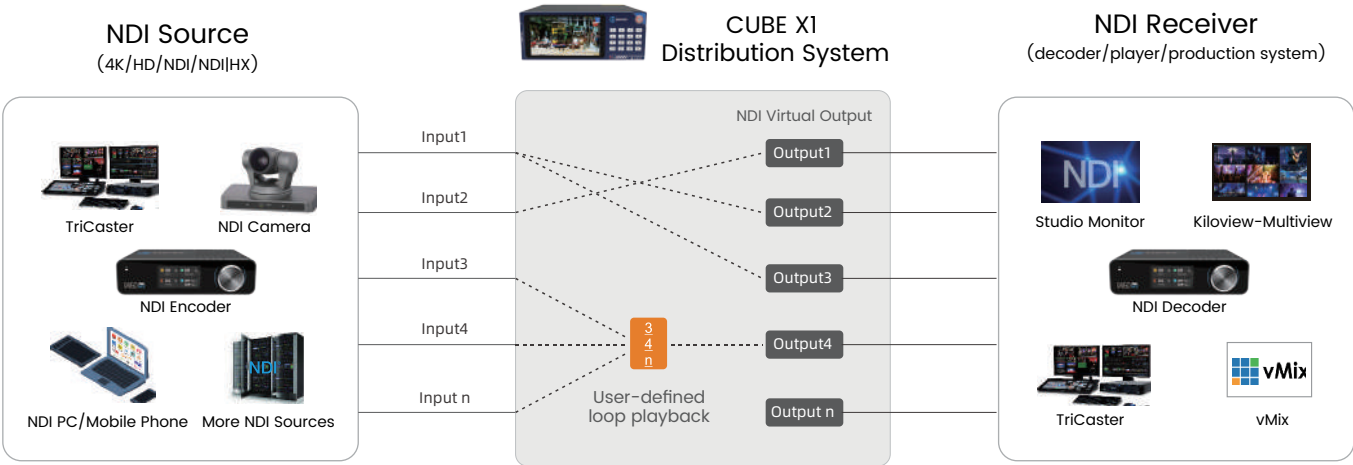


TOP-PERFORMANCE, INTEGRATED HARDWARE & SOFTWARE POWERFUL DISTRIBUTION

CUBE X1 Distribution System



The CUBE X1 Distribution System is a compact semi-2U device to route & distribute NDI video streams. It supports NDI HX 16 inputs/32 outputs (if all NDI High Bandwidth sources, 13 inputs/26 outputs), enabling seamless switching of all signals. Functions include router distribution mode, multi-channel distribution, multi-task grouping management, signal looping playback. It is compatible with various NDI formats (NDI HX/NDI HX3), without resolution (UHD/HD) limitations of inputs. The CUBE X1 system can be perfectly applied in scenarios such as broadcasting & TV production, online streaming, medical teaching demonstrations, video conferences, etc.

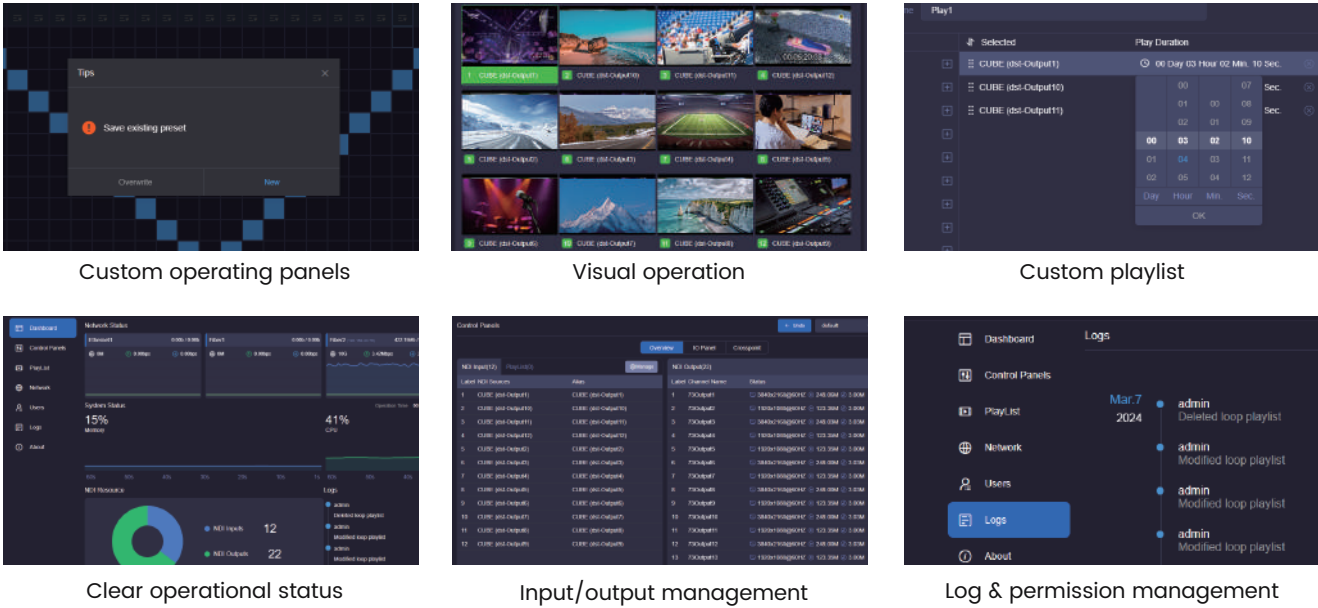


NDI Distribution Workflow

Distribution Mode: All NDI sources are individually connected to the matrix server, with switching & distribution handled internally

Router Mode: Allows decoding terminals to directly pull NDI input video sources without passing through the matrix, saving bandwidth and effectively improving the performance of the X1.

The Most Powerful NDI Distribution System So Far



- Automatic discovery of NDI sources within the local network
- 8-core ARM64 CPU with 12GB RAM
- 5.5" touch screen with 16 buttons
- Redundant power supply. Total consumption <20W
- Dual cooling fans, ventilation holes, 24/7 silent operation
- Two 10GbE ports for multiple streams & guaranteed bandwidth
- Dual Expandable USB ports for mouse, keyboard and USB driver
- The half-width of 2RU
- Reinforced structure for impact resistance

ULTIMATE MASS DISTRIBUTION CAPABILITY

NDI CORE MAX

- 10G/40G fiber ports
- 3U server infrastructure
- Seamless switching
- Cluster expansion support

NDI CORE MAX is the ideal solution (3U infrastructure) for multi-channel replication, distribution and management of NDI streams. It is equipped with dual 10G fiber ports (optional 40G fiber card), supporting up to 4KP60. It simultaneously manages up to 166 channels of video streams I/O (40G card, 1080P60), or 50 channels of 1080P60 streams I/O are supported with 10G card. Compatible with various formats (NDI HX/NDI HX3) & resolutions (UHD/HD), it suits diversified scenarios with high quality management ability.

-  3U server infrastructure with dual power backup
-  Built-in water-cooling system for stable use
-  Dual 10G fiber ports (optional 40G Ethernet card)
-  4*cooling fans with ventilation holes for heat dissipation
-  Supports all NDI sources for switching, copying and distribution
- NDI

Supports multi-channel NDI stream replication & distribution
Compatible with various NDI formats
-  Supports I/O panel or cross-point panel
-  Supports signal loop playback, dynamically adjusting playback order/time
-  Supports web-based operation and external control panel
- API

Supports API integration & development



intel i7

Customizable

CUBE X1 / NDI CORE MAX Tech Specs

Model	CUBE X1 Distribution System	NDI CORE MAX
Inputs/Outputs	4KP60 up to 5/10 NDI inputs/outputs NDI High Bandwidth 1080P60 up to 13/26 I/O NDI HX up to 16 inputs and 32 outputs Total input bandwidth not exceeding 2.5 Gbps Total output bandwidth not exceeding 5 Gbps	10G fiber card single port 4KP60 20*20 I/O, 1080P60 40*40 I/O 10G fiber card dual ports 4KP60 24*24 I/O, 1080P60 50*50 I/O 40G fiber card single port 4KP60 84*84 I/O, 1080P60 148*148 I/O 40G fiber card dual ports 4KP60 90*90 I/O, 1080P60 166*166 I/O
NDI Formats	NDI High Bandwidth/NDI HX/NDI HX3	NDI High Bandwidth/NDI HX/NDI HX3
Resolution	Up to 4Kp60	Up to 4Kp60
USB Port	2*USB 2.0 (Type-A)	1×USB3.2 Gen2x2 (Type-C), 2×USB3.2 Gen2 (Type-A) 3×USB3.2 Gen1 (Type-A), 4×USB2.0 (Type-A)
Audio I/O	1*3.5mm Line in 1*3.5mm Line out	/
Network	2 x 10GbE SFP+ port; 1 x 1GbE RJ45 Ethernet port	10G Fiber Port (Optional 40G) 2 * 10 Gigabit Ports
Output Port	1*HDMI	/
Buttons	16 buttons+1 Power	1 Power
Display	5.5" 1080p LCD touch screen	5.5 inch touch screen
CPU	8 CORE ARM 64-bit Processor	16 CORE i7-13700KF
RAM	12GB	32GB
ROM	16GB	128G SSD
Power Supply	Redundant power 100~230V AC	Redundant Power 100~240V 800W
System	Linux	Linux
Weight	2.00kg	11.6kg
Management	Web	Web
Dimension (mm)	220*231.45*88mm (Combine two CUBE X1 to 2RU)	495*482*132mm (3RU)

4K, INTEGRATED HARDWARE & SOFTWARE MASTER-LEVEL RECORDING & PLAYBACK

CUBE R1 NDI Multi-Channel Recording System

Up to 4CH 4Kp60 or 9CH 1080p60

One-Click Recording

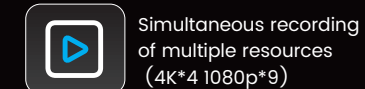
Dual SSD, Hot-swap function

Record while playback



Multi-Source Recording, Real-time Playback

The **CUBE R1** is the perfect NDI video recording & playback device for live production, post-production, on-set. It supports simultaneous recording of up to 4 channels of 4K video or 9 channels of 1080P60 HD video. With 1/4/9 multi-screen video preview options and a 5.5-inch touch LCD display, it offers real-time playback with features like fast forward, rewind, frame-by-frame playback, etc. Dual SSD storage drives enable hot-swapping for unlimited NDI High Bandwidth/NDI HX/NDI HX3 recording.



Simultaneous recording of multiple resources (4K*4 1080p*9)



Preview of multiple (1/4/9) video screens



Native NDI Recording and Transcoding Recording



One-click time sync for timecode alignment



The compact 2U infrastructure (220*231.45*88mm)

5.5" touch screen, easy operation

Dual 10G SPF+, one-click recording of 9-CH HD streams

Built-in hot-swappable 1TB/2TB SSD, non-stop recording

NDI Recording in native NDI format or converting NDI High Bandwidth to H.264/H.265 for recording

Redundant power supplies. Consumption < 20W

Built-in time sync, enabling synchronous timecode recording for all streams

Supports recording interface lock for accidental operations

Supports file splitting by duration or size while recording

KILOVIEW STORAGE STICK

 Superb writing speed. Averaging 369MB/s factory tested

 Peak operating temperature: 46.2°C, maintains stable operation under high temperature

 Higher TBW* (Total Bytes Written) , supporting uninterrupted recording for 24 hours

 Warranty up to 3 years or up to the maximum TBW* limited warranty
1TB: up to 1120 TBW, 2TB: up to 2400 TBW



3
YEAR
WARRANTY

Bitrate Reference Table

Formats	NDI High Bandwidth	NDI HX	NDI HX 2	NDI HX 3
Bitrate Reference	100~250Mbps	8~20Mbps	1~50Mbps	~80Mbps
One Hour	43~109GB	3.5~8.7GB	0.4~21GB	~35GB
1TB (1080P60)				
Single Channel	~24 hours	~105 hours	~43 hours	~26 hours
Four Channels	~6 hours	~26 hours	~10 hours	~6.5 hours
Nine Channels	~2.5 hours	~12 hours	~5 hours	~3 hours
2TB				
Single Channel	~48 hours	~210 hours	~86 hours	~54 hours
Four Channels	~12 hours	~52 hours	~20 hours	~13 hours
Nine Channels	~5 hours	~24 hours	~10 hours	~6 hours

Recording Performance

Recording Performance		4KP60	1080P60
Original NDI Codec Recording	NDI High Bandwidth	4 Channels	9 Channels
	NDI HX	9 Channels	9 Channels
Transcode while Recording	Transcode NDI High Bandwidth format to NDI HX or H.264/H.265	1 Channel	4 Channels

*The recording capacity only considers the peak data, and does not consider frame loss.

CUBE R1 Tech Specs

Recording Capacity	Up to 9-channel 1920x1080P60 video/audio recording Up to 4-channel 3840x2160P60 video/audio recording
NDI Formats	NDI High Bandwidth / NDI HX / NDI HX3
File Codec Formats	Video • SpeedHQ SHQ0/SHQ2/SHQ7 • H.264/AVC • H.265/HEVC • SpeedHQ to H.264/H.265 conversion Audio • FLT32 (No compression) • AAC (.MOV/.MP4 compatible)
Resolution	Up to 4KP60
Storage	2*Kiloview Storage Stick(Optional 1TB/2TB industry-grade NVMe SSD)
Display	5.5" LCD touch screen
OSD	1/4/9 multi-window preview, recording status and playback
Recording Strategy	By length or file size
Recording Format	.MOV
Control Knob	1: support Backward/Forward and press to pause/resume
Buttons	6: support record, stop, play, home/return, backward skip, forward skip.
Ports	2 *10GbE SPF+ Fiber Ethernet 1*1GbE RJ-45 Ethernet 1*HDMI 2.0 output, 2*USB 2.0 Type-A 1*3.5mm TRS audio line in/out
Cooling	Built in dual cooling fans and large ventilation mesh design, the entire machine relies on active air cooling to dissipate heat
Network	2 x 10GbE SPF+ Fiber Ethernet, 1 x 1GbE RJ-45 Ethernet
CPU	8 core 64-bit
RAM	12GB
Power Supply	Redundant power, 100~230V AC
Operating System	Linux
Power Consumption	<20W
Working Temperature	-20~50°C / 14°F~131°F
Storage Temperature	-20~50°C / -4°F~149°F
Management	Web
Dimension (mm)	220*231.45*88mm, half width of 2U rackmount chassis

THE MOST RELIABLE NDI RECORDING SYSTEM

NDI Recorder

Kiloview NDI Recorder is the multi-channel software system to ensure all your NDI sources can be recorded separately in synchronization status. You can simply record up to 20 NDI High Bandwidth/NDI HX resources in 4K/HD resolution. It supports real-time preview/NAS/NTP-sync.

-  Up to 4K recording and preview
-  One-click NTP synchronization
-  Real-time monitoring of device status
-  1/4/9/16/20 multiview layouts
-  Independent safety for system/recording process/operation
-  Automatically discover of all NDI video sources locally or through discovery server

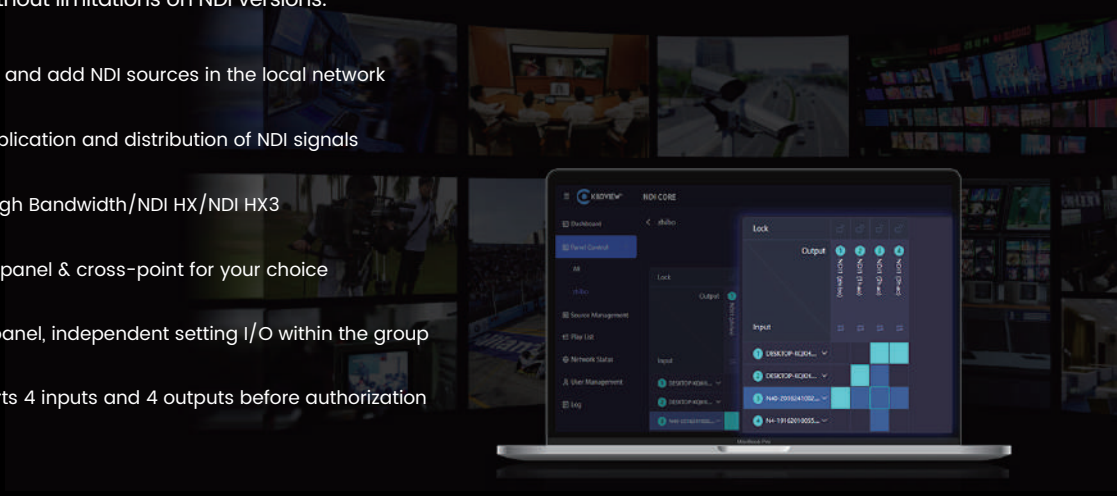


CONTROL, ORGANIZE, ROUTE... EVERYTHING

NDI CORE

NDI Core is a centralized software system for all your NDI sources, building smooth and seamless switching channels for them. It supports various formats of NDI streams I/O, replication, and centralized management. The system supports resolutions up to 4KP60 without limitations on NDI versions.

-  Automatically discover and add NDI sources in the local network
-  Seamless switching, replication and distribution of NDI signals
- NDI** Compatible with NDI High Bandwidth/NDI HX/NDI HX3
-  Two switch panels, I/O panel & cross-point for your choice
-  Customizable control panel, independent setting I/O within the group
-  15 day free trial, supports 4 inputs and 4 outputs before authorization



NDI Recorder (Software)Tech Specs

Performance		Trial	Full Version
Max CH of Recording	Kiloview Products	4	20
	Other Products	2	
Resolution		4KP60	4KP60
Stream Type (preview)		Sub Stream	Sub Stream
Frame Rate		Depend on Video Source	Depend on Video Source
Recording & Storage		SSD/TF Local Recording	SSD/TF Local Recording
One-Click NTP Synchronization		Kiloview Device Only	Kiloview Device Only
One-Click Recording		Support	Support
VU Meter		Support	Support
Preview		Support	Support
Auto-split of Recorded File		Support	Support
Custom Layout		Support	Support
Batch Data Elimination		Support	Support
License Activation		Support	Support
Management		Web/KiloLink Server	Web/KiloLink Server
Operating System		Windows	Windows

NDI CORE (Software) Tech Specs

Items		Basic	Pro	Hardware Recommendation
Versions		15-day free trial for limited 4 I/O	15-day free trial for limited 4 I/O	Linux 4 CORE 1.5GHz X86 / X86-64 8G(16G) RAM Gigabit Ethernet
Max NDI Inputs/Outputs	Kiloview Products	Unlimited	Unlimited	
	Other Products	16	Unlimited	
Max I/O Resolution		4K P60	4K P60	
Protocols		NDI High Bandwidth/ NDI HX/ NDI HX3		
PTZ		Support	Support	
Tally		Support	Support	
NDI Discovery Server		Support	Support	
API		Support	Support	
Seamless Switch		Support	Support	
Log Management		Support	Support	
User Management		/	Support	

The Tech Specs shown above are for reference only, please refer to official website: www.kiloview.com for details

ENJOY YOUR MULTI-SCREEN MONITORING

Multiview Pro NDI Monitoring System

- Up to 20 NDI streams previewing per window
- Server Based-multiple devices accessible
- Horizontal/vertical screen previewing
- Remote control through Web interface
- PVW+PGM



Broadcast-level Multiview System

NDI Multiview System (Multiview Pro) offers customizable multi-screen/multi-window displays. It monitors up to 20 video streams per window, with seamless switching and compatibility of NDI High Bandwidth & NDI HX/NDI HX3. You can operate directly via the web interface (based on WebRTC) for efficient screen monitoring & application switching.

- **100% customizable multi-screen layout**
Each window supports 1-9/16/20 split-screen display
- **NDI output**
Program Output / Mix Output
- **VU Meter/Center Cross/Safety Area/Tally/PTZ**
Includes all necessary information for professional production
- **Real-time preview for multi-screen output**
Seamless switch between PVW+PGM, supports single & multi-screen outputs
- **Automatically/manually discover NDI streams**
Automatically detects and adds any NDI source within the local network subnet, or manually
- **Supports horizontal and vertical screen monitoring**
Supports customizable screen rotation function, and achieves mixed monitoring of horizontal & vertical screen images

Product Name	Multiview Pro NDI Monitoring System
NDI Protocols	NDI High Bandwidth/NDI HX/NDI HX3
Multi Screen Segmentation Mode	Single window supports 1-20 layout, and the layout can be 100% customized Multiple windows simultaneously working (dependent on hardware performance)
Resolution	Up to 4KP60
Main/Sub Stream Auto-adjustment	Support
PIP Mode	Support
Vu Meter/Center Cross/Safety Area/PTZ Camera Control	Support
Background Overlay/Tally Signal	Support
Settings Management	Web / mobile phone / iPad
Operating System	Windows / Mac OS

YOUR DEDICATED STUDIO EXPERIENCE

LinkDeck IP Control Panel

Complete IP-based

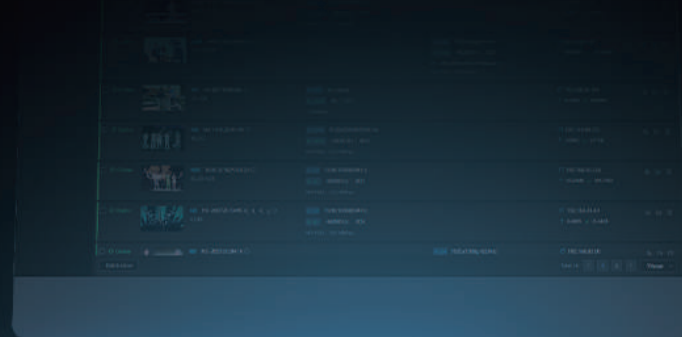
Modular combination

Visualised operation

Software-defined keys for interaction

Comprehensive control of Kiloview products

The **LinkDeck IP Control Panel** is a central console for all Kiloview devices & systems, offering flexible deployment & remote management. It includes the Panel Deck/Take Deck/PTZ Deck/ZOOM Deck, which can be freely combined. A single Panel Deck can control NDI CORE, Multiview, CUBE R1 etc, while you can use one ethernet cable to deploy all panels (temporarily supports Multiview Pro control only).



Panel Deck Screen Monitoring

- 10.1-inch HD LCD touch screen, 24 dual-color physical buttons, multi-touch
- Built-in screen for centralized display of required screens, full I/O monitoring
- Customized settings for different buttons to trigger corresponding functions (one-touch switch/FTB/recording/live broadcasting/control)
- Visual interface for easy operation



PTZ Deck PTZ Camera Companion

- 4-dimensional joystick control for precise adjustment of PTZ movement & settings
- 3 physical knobs for adjusting aperture, white balance, red/blue gain, etc



Zoom Deck Screen Switching

- Configured with 11 buttons + Zoom controller
- Customizable presets/switch camera angle
- Quickly zoom in/out, adjust focus distance
- Ability to save preset information



Take Deck Multi-functional Screen Control

- T-bar for freely switching between PVW & PGM
- 12 physical buttons customized for various functions
- Screen overlay, one-touch live broadcasting/recording/lock

LinkDeck Tech Specs

Model	Tech Specs	
Panel Deck DP-01	Display	10.1" multi touch LCD screen
	Resolution	1920 x 1200
	Keyboard	24 keys (Bi-color tally)
	CPU	8-core CPU
	Memory	2GB
	Storage	16GB
	Video Output	1 x HDMI
	Internet	1GbE port with PoE
	Power Supply	DC5.5/2.5 12V
	Output Resolutions	Up to 1080P60
	Key	24, user-defined keys
	USB Port	7×Type-C 2.0
	DC Port	Single DC5.5/2.1
	Weight	6.65lb
	Dimension	285.33*260.00*110.10mm(11.2"x10.2"x4.3")
	Operating Temperature	-20°C~45°C
PTZ Deck DQ-01	USB	2 * USB Type -C 2.0
	Key	1
	Control Knob	3
	Joystick	1
	Tally	3 (2 in white, 1 in RGB based on settings)
	Dimension	260.00*130.00*107.45mm(10.2"x5.1"x4.2")
Zoom Deck DZ-01	Weight	3.30lb
	Keys	13
	ZOOM Rocker	1
	USB	2 * Type-C 2.0
	Dimension	260.00*130.00*53.68mm (10.2"x5.1"x2.1")
Take Deck DT-01	Weight	3.04lb
	USB	2 * Type-C 2.0
	Keys	13
	T Stick	1
	Dimension	260.00*130.00*74.00mm(10.2"x5.1"x2.9")
	Weight	3.22lb

04 ALL-IN-ONE NDI CONVERTER

Kiloview offers a complete range of video encoding & decoding transmission devices, supporting NDI High Bandwidth / NDI HX / NDI HX3 formats. The product line covers 4K/HD, wired / wireless, portable / rack-mounted product series. Additionally, these devices support comprehensive features such as Tally, PTZ, PoE, and intercom, meeting diverse business requirements across various scenarios.

- N60/N50 All-in-one 4K HDMI/12G-SDI Converter (NDI High Bandwidth+NDI HX+NDI HX3+SRT)
- N6/N5 All-in-one HD HDMI/3G-SDI Converter (NDI High Bandwidth+NDI HX+NDI HX3)
- N40+/N3+ All-in-one 4K HDMI/3G-SDI Converter (NDI High Bandwidth)



AUTHENTIC 4K, PERFECT A/V TRANSMISSION

N60/N50 All-in-one 4K Converter

NDI+SRT

Integrated Encoding & Decoding

4KP60 HDMI / 12G-SDI



Integrated Encoding & Decoding

The N60/N50 is Kiloview's next-generation NDI video encoding/decoding product, supporting up to 4KP60/12G-SDI NDI High Bandwidth/NDI HX/NDI HX3/SRT video streams.

Leveraging advanced FPGA technology and cutting-edge AVC/HEVC encoding/decoding & NDI algorithms, it supports YCbCr 4:2:2 color space and 10-bit color depth, achieving broadcast-grade quality. The device is equipped with LCD display and control wheel design for easy operation. It supports USB extended recording or NAS storage, with rich functions including Tally, PoE, PTZ, voice intercom, 3.5mm analog audio, etc.



4:2:2 10bit



High dynamic range capable



Multi-storage

NDI 6 Ready



Compact size with cold-shoe mounting

1.91" LCD for device status

Scroll wheel for quick settings

Built-in tally for real-time monitoring

Dual 1G Ethernet ports (one PoE port)

3.5mm audio line in and out

Supports TF card, USB expandable storage or NAS

Dual USB ports for Voice Intercom, Tally and PTZ control

N60: 4K HDMI I/O

N50: 12G-SDI I/O

SUPREME PERFORMANCE ALL IN ONE MAGIC BOX

N6/N5 All-in-one HD Converter (NDI)

NDI High Bandwidth+NDI HX

Encoding & Decoding

USB Camera Source to NDI Conversion

The **N6/N5** are the most cost-effective all-in-one NDI encoding/decoding devices on the market. They both support NDI High Bandwidth/NDI HX/NDI HX3 protocols. The N6 features 1080P60 HDMI input/loop, encoding HDMI video sources into NDI streams. The N5 supports 3G-SDI input/loop, encoding 3G-SDI into NDI streams. Additionally, the N6/N5 can convert USB video sources to NDI via a USB interface, suitable for video conferencing and teaching scenarios. These devices are compact, portable, and easily mountable on cameras. They come with rich features including Tally, PoE, PTZ, 3.5mm analog audio input/output and intercom, meeting diverse needs.

- USB port for headset, keyboard and external tally
- 3.5mm audio line in and out
- LCD for device status
- Compact size with cold-shoe mounting
- USB camera input support, enabling USB to NDI stream conversion
- Tally/PoE/PTZ control/KIS intercom



ENCODING & DECODING EXPERT

N40+/N3+ All-in-one 4K/HD Converter (NDI High Bandwidth)

Integrated Encoding and Decoding

4KP60 HDMI/3G-SDI

Compact and portable

The **N40+** supports bi-directional conversion between 4KP60 HDMI and NDI High Bandwidth. It features 4KP60 input/loop, encoding HDMI into NDI streams. The **N3+** supports bi-directional conversion between 3G-SDI and NDI, allowing for 3G-SDI input/loop (encoding SDI into NDI). Both devices feature LCD screen, built-in Tally lights, 3.5mm headphone jack, and support functions like PoE power supply, PTZ control, voice calls, etc.

- 4KP60 HDMI I/O (N40+), 3G-SDI I/O (N3+)
- YCbCr 4:2:2 8bit high-quality encoding
- Supports Ethernet (PoE), DC, and USB power supply
- Tally/PoE/PTZ control/KIS intercom
- 3.5mm audio line in and out
- NDI NDI discovery server embedded/seamless switching
- USB port for headset, keyboard and external Tally
- Up to 10 outputs including 9 decoded addresses & 1 blank preset box (customizable background color)



NDI Series Products Tech Specs

Model	N60/N50	N6/N5	N40+	N3+
Internet Protocol	NDI High Bandwidth +NDI HX+NDI HX3+SRT	NDI High Bandwidth +NDI HX+NDI HX3	NDI High Bandwidth	NDI High Bandwidth
Video Input	N60: 4KP60 HDMI N50: 12G-SDI	N6: 1080P60 HDMI N5: 3G-SDI	4KP60 HDMI	3G-SDI
Video Output/ Loopout	N60: 4KP60 HDMI N50: 12G-SDI	N6: 1080P60 HDMI N5: 3G-SDI	4KP60 HDMI	3G-SDI
Network	2*RJ45 1000Mbps Ethernet port(PoE)	1*RJ45 1000Mbps Ethernet port(PoE)	1*RJ45 1000Mbps Ethernet port(PoE)	1*RJ45 1000Mbps Ethernet port(PoE)
Audio Port	1* 3.5mm Line in 1* 3.5mm Line out	1* 3.5mm Line in/out	1* 3.5mm Line in/out	1* 3.5mm Line in/out
Resolution	Up to 4KP60	Up to 1080P60	Up to 4KP60	Up to 1080P60
USB Port	1* USB 3.0 Type-A 1* USB 3.0 Type-C	1*USB 3.0 Type-C	1*USB 2.0 Type-C	1*USB 2.0 Type-C
PoE	Support	Support	Support	Support
Tally	LCD Tally and back panel Tally	LCD Tally and back Tally	LCD Tally and back Tally	LCD Tally and back Tally
PTZ Control	USB expansion PTZ over IP Network control			
DHCP	Support	Support	Support	Support
Recording	Support (USB/NAS)	/	/	/
Management	Web/Kilolink Server	Web/Kilolink Server	Web/Kilolink Server	Web/Kilolink Server
Dimension (mm)	N60: 135*106*35mm N50: 135*124*35mm	N6: 100*95*23mm N5: 100*111*23mm	100*80*23mm	100*97*23mm
Power Consumption	16w	6w	6w	6w
Display	1.91" LCD screen with a scroll wheel Control the scroll wheel+power button	1.14" LCD screen with Left and right buttons	1.14" LCD screen with Left and right buttons	1.14" LCD screen with Left and right buttons
Color Performance	4:2:2 10bit	4:2:2 8bit	4:2:2 8bit	4:2:2 8bit
Web Cam	/	Support	/	/
Weight	N60: 545g N50: 520g	400g	400g	400g

05 5G/4G BONDING WIRELESS SOLUTIONS

Kiloview's P Series 5G/4G bonding encoders stand out as one of the most cost-effective solutions for multi-link bonding scenarios. Utilizing the patented KiloLink tech, it offers users a free, privately deployable bonding service platform, significantly reducing costs. Moreover, its unique technology ensures low latency/ high quality/ stable bonding transmission, providing users with excellent outdoor live broadcasting, remote production, and mobile shooting experience.

- P3 5G Wireless Bonding Encoder
- P3 mini 4G Wireless Bonding Encoder



EXPERIENCE SEAMLESS STREAMING WITH OUR FLAGSHIP LAUNCH

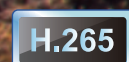
P3 5G Wireless Bonding Encoder

5G/4G bonding

3G-SDI and 4K HDMI inputs

Modular Customization

H.265 codec



Stable & Reliable LIVE

The P3 is a new generation 5G wireless bonding encoder based on the patented, reliable and free technology, the one and only – KiloLink Server. It supports six network connections, including 4CH 5G (or 4CH 4G), WiFi, and Gigabit Ethernet. With a built-in 3500mAh battery and a 7000mAh external battery, it ensures all-day use. Additionally, the new modular design includes 5G/4G communication modules, WiFi/SD storage modules, and battery modules, providing flexible options.

The P3 features 3G-SDI & 4K HDMI video input interfaces, supporting video input of up to 4KP30 with H.265/H.264 encoding. With the free KiloLink Server, it supports various media protocols such as RTSP, RTMP, SRT, HLS, and NDI HX.



5G/4G/WiFi/Ethernet



24' Redundant batteries for all day use



4.3" LCD touchscreen



KiloLink is a proprietary multi link bonding transmission technology independently developed by KiloView. It can combine multiple 5G/4G/WiFi/Ethernet networks to achieve bonding transmission stability, with lower latency.

KiloView will provide users with free KiloLink bonding software and technical support, and users can deploy it privately, on-premise, or in the cloud.



EASY OUTDOOR STREAMING. ANY TIME, ANYWHERE

P3 mini 4G Wireless Bonding Encoder

- Multi-4G Bonding
- Compact Size
- H.265/H.264 codec
- SDI+HDMI dual interface
- NDI HX+SRT+RTMP

P3 Mini is the next generation 4G wireless bonding encoder built on KiloLink transmission technology. Featuring H.265/H.264 encoding, it offers dual interfaces with 3G-SDI and HDMI inputs, supporting up to 1080P60. The P3 mini supports multi-channel wireless bonding connections, simultaneously linking to 3CH of 4G cellular networks, WiFi (2.4G/5G dual-band) and Ethernet.

Additionally, P3 mini seamlessly integrates with the KiloLink Server, enabling remote management and full protocol streaming services. It also supports cross-internet voice intercom functionality, meeting a wide range of application needs.

- 5-CH bonding (3-CH 4G cellular+1*WiFi+1*Ethernet)
- LCD touch screen for real-time video preview & device operation
- Supports PD fast charging
- Supports graphic and text overlay function
- Dual USB interfaces for keyboards, PTZ and drives, etc
- Local recording function via USB storage devices
- Web operation/KiloLink Server for remote management

- H.265
- 4G
- SRT

5G/4G Bonding Encoder Tech Specs

Model	P3	P3 mini
Video Encoding	H.265/H.264	H.265/H.264
Resolution	Up to 4KP30	Up to 1080P60
Video Input	1*4KP30 HDMI+1*3G-SDI	1*1080P60 HDMI 1*3G-SDI
Recording/Storage	SD card and USB expansion	USB expansion
Audio Port	1*3.5mm Line in or SDI/HDMI embedded	1*3.5mm Line in or SDI/HDMI embedded
Multi-channel Audio Encoding	HDMI: 4 channels SDI: 4 channels Line in: 2 channels	HDMI: 4 channels SDI: 4 channels Line in: 2 channels
Bonding Performance	WiFi/ 4 channels of 5G(Or 4 channels of 4G) cellular, WiFi (2.4G/5G), Ethernet	3CH 4G cellular network, WIFI (2.4G/5G dual band) USB expanded Ethernet
Network	5G / 4G / WiFi / Ethernet	4G / WiFi / Ethernet
Protocols	NDI HX/ SRT/ RTMP/ RTSP/ RTP/ HLS/ TS-UDP (with KiloLink Server)	NDI HX/ SRT/ RTMP/ RTSP/ RTP/ HLS/ TS-UDP (with KiloLink Server)
Modular Design	DIY 5G/4G communication modules WiFi/SD storage modules, and battery modules	/
Button	Power	Power
Display	4.3" LCD touchscreen	3" LCD touchscreen
Battery	Built-in 3500mAh@7.2V 25.2W battery External 7000mAh@7.2V 50.4W battery	5000mAh@7.2V 36W
Voice Intercom	Support	Support
Dimension (mm)	216.8*143*68mm	138*85*35mm
Power Consumption	20w	16w
Power Supply	DC 12V 3A	DC 12V/3A PD Fast Charging
Management	Web/KioLink Server	Web/KioLink Server
Working Temperature	-15°C ~ 45°C	-15°C~45°C

TWO IN ONE, FOR THE BEST CONVERSION

E3 4K HDMI+3G-SDI H.265 Video Encoder

Dual-channel Simultaneous Encoding

Multi-channel audio encoding

Recording while streaming

up to 8 platforms streaming


4K
ULTRA HD

SRT

H.265

NDI HX
CERTIFIED

Top-notch Encoding Performance

E3 is the new generation of 4K multi-functional encoder. It supports dual interfaces of 3G-SDI and 4K30 HDMI input/loop. It supports NDI HX/NDI HX3/SRT/RTMP/RTMPS/HLS/TS over UDP/RTSP, etc, allowing simultaneous streaming to 8 live platforms. E3 meet the low-latency transmission needs within a LAN through NDI HX and also assist in remote transmission through SRT, making it the ideal cost-effective device that fully meets your specific requirements.


Dual-channel inputs
with loop-out


NDI HX+SRT full protocols


High Bitrate streaming
available (adjustable)

Pic-in-Pic composite
encoding


Multi-destination streaming



Local storage and NAS



Lightweight with only 300g


LCD with touch buttons for status
monitoring and settings


NTP network clock sync supported


Supports embedded audio in SDI
& HDMI/3.5mm analog audio input


Low power consumption (≤5W)



Tally/PoE/PTZ control/KIS intercom



Dual HDMI & SDI inputs with loop-out


3*USB ports for headset, keyboard
and external Tally

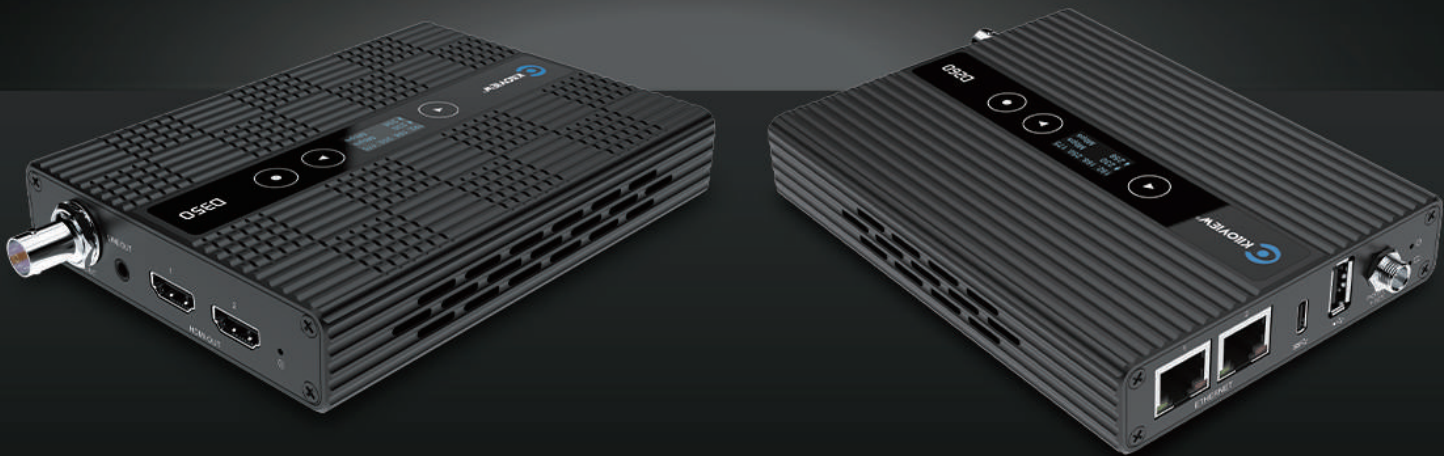
E3 Encoder Tech Specs

Model	E3
Codec Format	H.265/HEVC/H.264/AVC, Up to 4KP30 video encoding
Internet Protocols	NDI HX/NDI HX3/RTSP/SRT/TS over UDP/RTMP/RTMPS/HLS
Video Input	1*HDMI with loop-out, 1*3G-SDI with loop-out
Audio Port	1*3.5mm Line in, HDMI: 4 channels SDI: 4 channels, Mix: 4 channels
Audio Encoding Format	H.265/HEVC/H.264/AVC up to 4KP30 video encoding
Highest Resolution	HDMI: 3840x2160@30Hz SDI: 1080p60
Network	1*10/100M/1000M RJ45 Ethernet Port, PoE (802.3af)
USB Port	2*USB 2.0 Type-C 1*USB 2.0 Type-A
Recording/Storage	USB extended hard drive recording or NAS network storage
Encoding Performance	Single input: SDI up to 1080P60 HDMI up to 4KP30 Dual input: HDMI up to 1080P60 for simultaneous encoding / mixed IP streams
PoE/PTZ/Tally/Intercom	Support
Display	1.14" LCD screen
Buttons	Power + Left&Right
Video Crop	Support
Color Performance	YCbCr 4:2:0 8-bit
Power Supply	DC 12V 1A
Power Consumption	9W
Dimension (mm)	140*100*28mm
Weight	300g
Management	WebRTC/KiloLink Server
Video Encoding Bitrate Range	Supports adjustment between 512K ~ 40M, the bitrate can be customized
Audio Encoding Bitrate Range	Supports adjustment between 16 Kbps to 512 Kbps, with a default setting of 64 Kbps
Operating Temperature	-20°C~45°C

07 H.265/H.264 DECODER MULTI-CH VIDEO DECODER

Kiloview's H.265/H.264 decoder boasts powerful performance and rich functionality, supporting resolutions of up to 4Kp60. It can decode multiple network video streams (NDI High Bandwidth/NDI HX/NDI HX3/SRT/RTMP/RTMPS/UDP/RTP/RTSP, etc) and synchronously output them through 3G-SDI and HDMI interfaces, while also supporting simultaneous decoding of multiple video streams.

- D350 9-CH 4K Decoder (Supports NDI High Bandwidth)
- D260 4-CH HD Decoder (Supports NDI HX)



DECODING CHAMPION FOR UHD IMAGE QUALITY

D350 4K Decoder

Full protocols support

4K HDMI*2+3G-SDI

16CH preview (Web, IP-based Multiview)

Customizable Multi-screen Layout


4K
ULTRA HD

NDI

SRT

H.265

Seamless Decoding, Addressing Each Detail

The D350 4K UHD Decoder is a versatile decoding device, supports resolutions up to 4KP60. It can decode multiple network video streams (including NDI High Bandwidth/NDI HX/NDI HX3/SRT/RTMP/RTMPS/UDP/RTP/RTSP) and output them through 4K HDMI & 3G-SDI, supporting simultaneous decoding of up to 9CH 1080P60 video streams. Users can customize multi-screen layouts as needed, including grid, pict-in-pic, and freely draggable layouts, enabling multiple video outputs. It supports independent/combined/multi-screen duplicate outputs, providing users with flexible options.

The OLED display screen provides real-time display of IP addresses & output status. Additionally, the D350 offers advanced features such as custom split-screen display, dynamic switching and background/logo overlay, meeting the AV over IP needs of broadcasters and media professionals.



100% customizable layouts


9-CH 1080P60 decoding
16-CH preview


Low latency


NDI High Bandwidth+NDI HX+NDI HX3
+SRT+RTMP full protocols

Simultaneous output with multiple interfaces:
3G-SDI, HDMI2.0*2 (output the same/different content)
p.s. only 2-CH different contents output from 3 interfaces

Embedded audio output in SDI & HDMI, or
independent 3.5mm analog audio output

100% customizable split display (picture size,
position, etc.)

Support for background/image overlay output

OLED display with touch buttons

Tally/PoE/PTZ/KIS intercom

Dual-USB ports for headset, storage and PTZ

Dual 1G Ethernet ports with PoE for safety backup

Web Interface and KiloLink Server centralized
management

EASY AND EFFICIENT DECODING

D260 HD Decoder

- Multi protocols support
- 4 channels simultaneous decoding
- Customizable multi-screen layouts

D260 is the cost-effective decoding device with multiple interfaces, supporting 3G-SDI*1 + HDMI*2 outputs. It can decode up to 4 streams (1080P60) and provide 4 screens real-time preview simultaneously. It supports H.265/H.264 decoding as well as protocols including NDI HX/NDI HX3/SRT/RTMP/RTMPS/HLS/TS over UDP/RTP/RTSP, meeting various decoding and video wall display needs.

-  16 Screens real-time preview & 4-CH 1080P60 output
-  Audio embedded through SDI and HDMI outputs or 3.5mm audio outputs
-  Supports RTMP Server, directly transmit streams to decoder for output
-  Dual 1G Ethernet ports for indefinite network connection
-  Supports graphic overlay output (simultaneous addition of multiple video sources for switching output)
-  Supports PoE/PTZ/KIS intercom
-  Dual-USB expandable ports for PTZ, headset and storage



- NDI
- SRT
- H.265

H.265/H.264 Decoder Tech Specs

Model	D350	D260
Video Decoding Format	H.265/H.264	H.265/H.264
Decoding capability	16CH 1080P30, 9CH 1080P60 or 4CH 4KP30, 2CH 4KP60	4CH 1080P60
Network	2×10M/100M/1000MRJ45 adaptive Ethernet ports with POE	2×10M/100M/1000MRJ45 adaptive Ethernet ports
Video Output	2*HDMI 1*3G-SDI	2*HDMI 1*3G-SDI
Audio Output	SDI/HDMI embedding or 3.5mm Line out	SDI/HDMI embedding or 3.5mm Line out
Internet Protocols	NDI High Bandwidth/NDI HX/NDI HX3/SRT/RTMP/RTMPS/UDP/RTP/RTSP/HTTP/HTTPS	NDI HX/NDI HX3/SRT/RTMP/RTMPS/UDP/RTP/RTSP/HTTP/HTTPS
Audio Decoding Format	AAC/G.711	AAC/G.711
USB Port	1*USB 2.0 TYPE-A 1*USB 3.0 TYPE-C	1*USB 2.0 TYPE-A 1*USB 3.0 TYPE-C
Decoding Latency	<200ms	<200ms
Buttons	Left&Right	Left&Right
Display	0.96" OLED	0.96" OLED
Management	Web / KiloLink Server	Web / KiloLink Server
Working Temperature	-20°C ~ 60°C	-20°C ~60°C
Power	DC 12V 1A	DC 12V 1A
Weight	340g	340g
Dimension (mm)	162.85*104*25mm	162.85*104*25mm

08

FULL-FUNCTIONAL IP BRIDGE FOR
INTERCHANGING

MG300 v2 Media Gateway

MG300 v2 multifunctional video gateway integrates core functions: streaming protocol conversion, streaming distribution services, multi-channel video decoding, and multi-screen video splitting. It seamlessly interfaces with resources of different systems/manufacturers/encoding formats, enabling unified video format conversion, multi-protocol interoperability, efficient decoding & output capabilities, and multi-screen splitting display functions.

Additionally, the MG300 v2 boasts powerful concurrent processing performance, supporting up to 50 simultaneous accesses. As a streaming media server, it effectively meets the demands for large-scale video content transmission, integration, and presentation.



- Multiple streaming media conversion
- 50 NDI|HX/RTSP protocol streams coccurent handling
- 36 channels RTMP/SRT/UDP streaming
- Multi-screen merging for live streaming
- Decoding of 4K IP streams with multiple outputs including 3G-SDI & dual 4K HDMI
- Preview of 16 video sources and 9 decoding outputs (PVW/PGM)
- Customizable multi-screen layout. Output display can be single-screen or picture-in-picture mode
- Dual Ethernet port design for receiving external network video & transmitting to internal network

MG300 v2 Tech Specs

Model	MG300 v2
Network	2 * 100M / 1000M RJ45 adaptive Ethernets
Decoding Output	1*SD/HD/3G-SDI, up to 1080P60, 1*HDMI, up to 4kP60
Audio Port	1*3.5mm Line out
USB	Dual USB ports, 1*USB Type-A, 1*USB Type-C, for storage and intercom, etc.
Input Protocols	NDI HX/SRT/RTSP/RTMP/UDP/HLS
Output Protocols	SRT/NDI HX/RTSP/RTMP TS-UDP
Protocol Conversion Capability	9 channels 1080P video conversion
Streaming Distribution Capability	50 channels of NDI HX/RTSP, 36 channels of RTMP/SRT (Not more than 600Mbps)
Channels of Decoding	16-CH 1080P30, 9-CH 1080P60, 4-CH 4K30, or 2-CH 4K60
Video Decoding Format	H.264/H.265
Audio Decoding	AAC-LC / G.711 (aLaw / uLaw) AAC: 8Kbps ~ 320Kbps G.711: 64Kbps
Decoding Latency	≤200ms
Split Display Style	Support 1-9 splitting; Support re-encoding and streaming of the multiview video streams The image supports up to 1080P60 H.264 encoding
Management	Web/KiloLink Server
Working Temperature	-25°C ~ 60°C
Power Consumption	7W
Power	12V 1A
Dimension	162.85*104*25.00mm
Weight	340g

* Note: The actual number of concurrent connections depends on the specific network bandwidth, video format and other factors, and the device transmission limit does not exceed 600Mbps.

INDUSTRY BUYER'S CHOICE

RU03/RU01 Rackmount Chassis

- Flexible I/O card combination
- Redundant power supplies
- High Density
- Reliable, affordable and professional

The **RU03/RU01** Chassis support the insertion of 4-channel (RU01), 16-channel (RU03) encoding and decoding modules within a single rack-mounted framework, enabling remote video transmission, broadcasting, and interaction over wired networks.

The devices are designed with a dual power supply and centralized heat dissipation for 24/7 operation.



-  Flexible I/O card combination
- NDI** Support NDI, H.265/H.264 I/O & Media Gateway Cards
-  7*24h continuous operation
-  Powerful cooling fans
-  Power indicator

Chassis Tech Specs

Model	RU03	RU01
Infrastructure	3U	1U
Capacity	16 channels	4 channels
Tally	Support	Support
Cooling Fan	6	2
Power Supply	Redundant 110W	Redundant 35W
I/O Card	RN-3, RN-40 RE-3, RMG-300 v2 RD-350, RD-260	RN-3, RN-40 RE-3, RMG-300 v2 RD-350, RD-260
Dimension	482*202*132.50mm	485*191*45mm
Weight (g)	3800g	1900g



RU03 Chassis
Up to 16 channels of
HDMI/SDI encoding & decoding modules



RU01 Chassis
Up to 4 channels of
HDMI/SDI encoding & decoding modules

FLEXIBLE COMPATIBILITY FOR VARIOUS APPLICATIONS

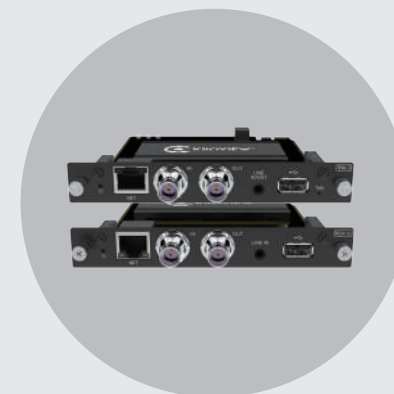
Kiloview Encoding & Decoding Card Series

NDI encoding & decoding cards

H.265/H.264 encoding card

H.265/H.264 decoding card

Media gateway card



NDI encoding & decoding cards

RN-3/RN-40

- NDI High Bandwidth support
- 4K HDMI/3G-SDI
- YCbCr 4:2:2 colour performance
- Supports 3.5mm audio input
- Integrated encoding & decoding
- PoE/PTZ/Tally/KIS intercom



H.265/H.264 encoding card

RE-3

- Supports KIS voice calls
- H.265/H.264 encoding format
- Supports 3.5mm audio input
- NDI HX/SRT/RTMP full protocols
- 4K HDMI & 3G-SDI dual-interface I/O
- Vertical screen/multi-platform live streaming
- Text & image overlay, video cropping, NAS storage



H.265/H.264 decoding card

RD350 16-CH decoding output RD260 4-CH decoding output

- 3G-SD/HDMI2.0*2 outputs
- PVW/PGM, seamless output
- Customizable layouts/split-screen display
- NDI High Bandwidth/NDI HX/NDI HX3/RTMP/SRT
- Supports LOGO/border/text and image overlay



MG300v2 media gateway card

- H.265/H.264 codec
- Multi IP protocols conversion
- Up to 36CH of RTMP/SRT /UDP streams for live streaming
- Up to distribution with 50CH of RTSP/NDI HX streams
- Decodes 4K IP streams with 3G-SDI & dual 4K HDMI
- 9-CH video source preview 16-CH 1080P30 decoding output (PVW/PGM)

NDI Encoding & Decoding Cards



RN-3
3G-SDI I/O



RN-40
4KP60 HDMI I/O

NDI I/O Cards Tech Specs

Model	RN-3	RN-40
Input	1*BNC 3G-SDI	1*HDMI
Output	1*BNC 3G-SDI	1*HDMI
Analog Audio Port	1*3.5mm Line in/out	
Video Codec	NDI High Bandwidth	
Resolution	Up to 1080P60	Up to 4KP60
Streaming Protocols	NDI High Bandwidth	NDI High Bandwidth
NDI Formats	NDI High Bandwidth	NDI High Bandwidth
Intercom	Support	Support
PTZ Control	Support	Support
Applicable Frame	RU01, RU03	
Management Portal	Web/KiloLink Server	

H.265/H.264 Encoding Card



RE-3
Dual interface I/O with 4K HDMI & 3G-SDI
Simultaneous or mixed encoding of two channels

H.265/H.264 Encoding Card Tech Specs

Model	RE-3
Video Interface	1*3G-SDI 1*HDMI 1.4a
Video Loop Out	/
Chassis Support	RU01, RU03
Analog Audio Interface	1*3.5mm Line in
NDI Performance	NDI HX / NDI HX3
Video Encoding	H.265(HEVC)/H.264(AVC)
Audio Encoding	AAC/G.711
Network Interface	1*10/100M/1000M RJ45 adaptive ethernet
USB Interface	1*USB 2.0 Type-C 1*USB 2.0 Type-A
Video Resolution	HDMI: up to 4KP30 3G-SDI: up to 1080P60
Media Protocol	NDI HX/NDI HX3/SRT/RTMP/RTMPS/HLS/TS over UDP/RTP/RTSP
Recording Storage	USB extended hard drive recording or NAS network storage
Encoding Performance	Dual channel simultaneous encoding, single encoding or mixed encoding output IP stream (resolution 1080P60 and below)
Management Tyle	Web/KiloLink Server
Video Encoding Bitrate Range	Supports range between 512K ~ 40M (adjustable)
Operating Temperature	-20°C~55°C

H.265/H.264 Decoding Card



RD-260

4 channels HD decoding card



RD-350

9 channels HD decoding card

H.265/H.264 Decoding Card Tech Specs

Model	RD- 260	RD- 350
Network	2 * 100M/1000M RJ- 45	2 * 100M/1000M RJ- 45
Video Output	3G- SDI+HDMI Output, with Different Content	3G- SDI+HDMI Output, with Different Content
Video Decoding Algorithm	H.265/H.264	H.265/H.264
Decoding Capacity	Up to 4 Channels Decoding (4-CH 1080P60)	Up to 16 Channels Decoding (16-CH 1080P30, 9-CH 1080P60 or 2-CH 4KP60)
Multi-screen output layout	Customize 1/2/3/4 screen layout The screen size can be customized	Customize 1/2/3/4/5/6/7/8/9 screen layout The screen size can be customized
Internet Protocols	NDI HX/NDI HX3/SRT/RTMP/RTMPS/HLS/TS over UDP/RTP/ RTSP	NDI High Bandwidth/NDI HX/NDI HX3/SRT /RTMP/RTMPS/UDP/RTP/RTSP/HTTP/HTTPS
Audio Output	SDI/HDMI Embedded, or 3.5mm Analog Output	
USB	1*USB Type-C	
Audio Decoding Algorithm	AAC/G.711	
display	0.96 "OLED display and touch buttons	
Voice intercom	Support	
Video Preview	Support	
Image/Text Overlay	Support	
Management Portal	Web UI and remote management with KILOVIEW KiloLink Server	

RMG-300 v2 Midea Gateway Card



RMG-300 v2

Midea Gateway Card

- H.265/H.264 codec
- Multi IP conversion
- Up to 36-CH of RTMP/SRT/UDP streaming
- Concurrent support for up to 50-CH of NDI HX/RTSP protocols
- Decodes 4K IP streams with multiple outputs including 3G-SDI& dual 4K HDMI
- 9-channel video source preview, 16-channel decoding 1080P30 output

RMG-300 v2 Tech Specs

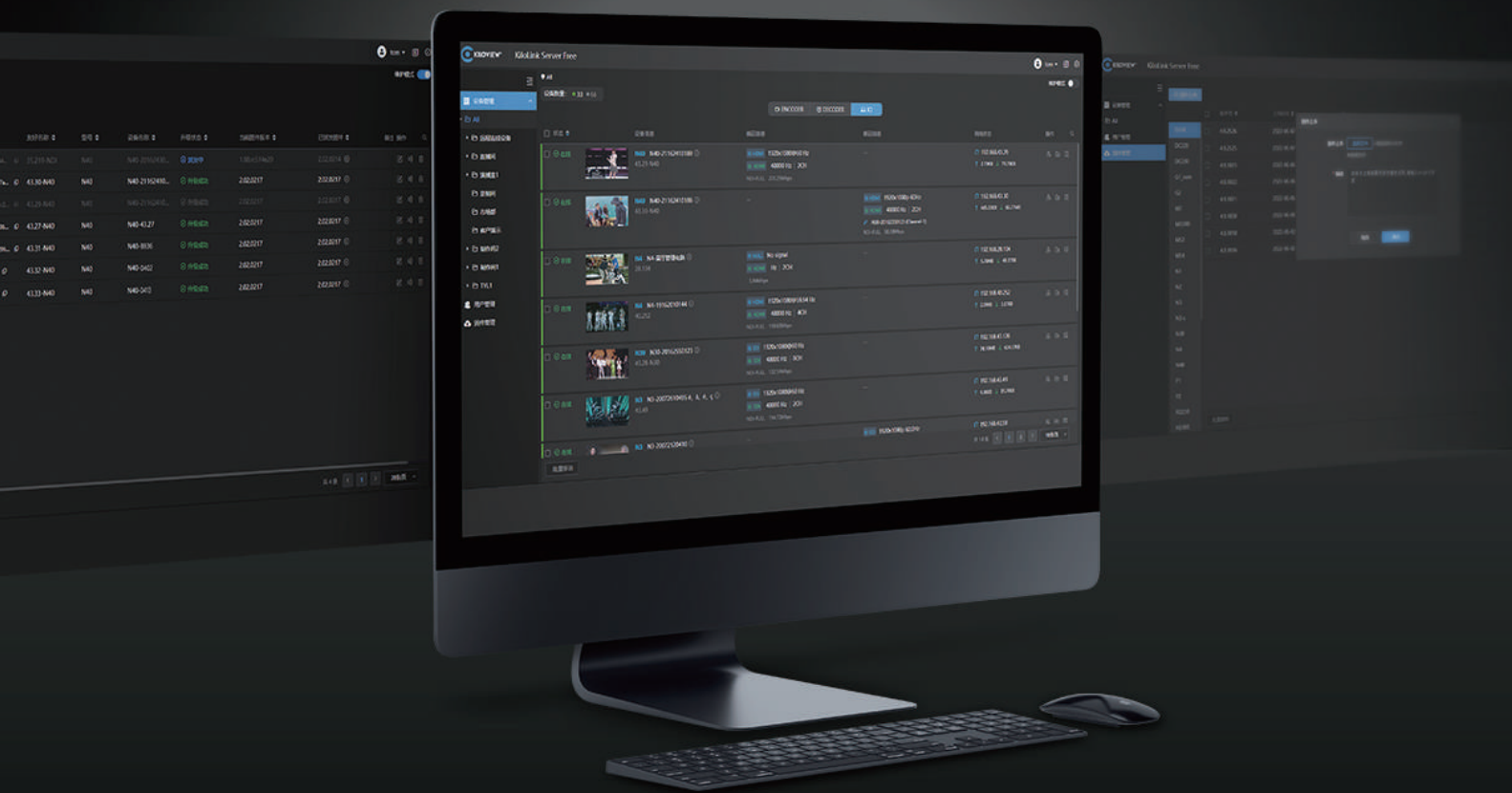
Model	RMG-300 v2
Network	2*100M/1000M RJ45 adaptive Ethernets
Decoding Output	1*SD/HD/3G-SDI, up to 1080P 60Hz, 1*HDMI, up to 3840*2160@60Hz
USB Port	1*USB Type-A, 1*USB Type-C
Internet Protocols	NDI HX/SRT/RTSP/UDP/RTMP/HLS
Output Protocols	SRT/NDI HX/RTSP/RTMP/TS-UDP
Protocol Conversion Capability	9 channels 1080P video conversion
Streaming Distribution Capability	50 channels of NDI HX/RTSP, 36 channels of RTMP/SRT (Not more than 600Mbps)
Live Streaming Capability	(4 channels or 9 channels)*4 channels 1080P
Channels of Decoding	16-CH 1080P30, 9-CH 1080P60, 4-CH 4KP30, or 2-CH 4KP60
Video Decoding Format	H.264/H.265
SDI Output Formats	1080p60/59.94/50,1080P30/29.97/25/24/23.98 1080i60/59.94/50 720P60/ 59.94/50 570i/50 480i/60
HDMI Output Formats	4K 3840x2160@60/30, 1080P60/50, 1080P24/25/30, 1080P60/50, 720p60/50 Compatible with VESA standard format
Video Bitrate	128Kbps ~ 40Mbps
Audio Decoding Format	AAC-LC / G.711 (aLaw / uLaw)
Audio Bitrate	AAC: 8Kbps ~ 320Kbps G.711: 64Kbps
Decoding Latency	≤200ms
Split Display Style	Support 1/2/3/4/5/6/7/8/9 splitting; Support re-encoding the splitted and recombined video for live streaming/ transmission. The image supports up to 1080P60 H.264 encoding
Management	Web
Remote Control	Support
Remote Firmware Update	Support
Working Temperature	-25 ~ 60°C
Relative Humidity	20 ~ 90%RH(No condensation)
Power Consumption	≤6W
Power Supply	12V 1A

10 CENTRALIZED DEVICE MANAGEMENT & VOICE INTERCOM SYSTEM

KiloLink Server Pro is the software system designed for centralized management & control of Kiloview products, including hardware devices and software systems. It enables centralized online management, status monitoring, remote configuration, centralized control, firmware management & upgrades.

KIS Pro is a multi-party voice calling system offering low-cost, multi-terminal, cross-internet, and full-IP voice intercom solutions.

- KiloLink Server Centralized Management Platform
- KIS Pro Intercom Server



ONE-STOP BONDING & MANAGEMENT PLATFORM

KiloLink Server PRO

KiloLink Bonding Transmission

Web Interface Operation

Flexible Deployment

Remote Firmware Upgrade

Centralized Management

KiloLink Server PRO is the centralized management platform based on KiloLink technology, enabling centralized online management, status monitoring, remote configuration, centralized control, firmware management & upgrades for all Kiloview products, including hardware devices. Users can accomplish these tasks precisely through a Web interface (Linux).

Additionally, KiloLink Server PRO supports multi-link bonding transmission, allowing the bonding of 5G/4G, Wi-Fi modules, and Ethernet connections. It works as a small to medium-sized streaming media server, supporting tens to hundreds of concurrent connections, effectively alleviating bandwidth pressure. It also supports various protocol conversions and outputs, including NDI HX, SRT, RTMP, TS-UDP, HLS, and RTSP.

FREE

Centralized control for Kiloview Products

Unlimited remote management of devices
*Note: The final number of supported devices depends on the CPU/memory /network performance of the server

Stable multi-link bonding transmission

Based on KiloLink, it supports the bonding transmission of multiple 5G/4G modems, Wi-Fi modules, and Ethernet

Multi-protocol conversion and media transcoding

Supports hundreds of concurrent connections from the streaming server, effectively distributes broadband pressure (depending on hardware & bandwidth capacity)

Group permission management

Create user groups, assign device permissions, and manage them precisely

Great Dashboard

Easily check CPU/memory usage, network status, online/offline device

Ultra-low resource consumption

Low resource consumption of CPU/memory, low hardware performance requirements, suitable for deployment on regular VPS



- Batch firmware uploads
- Web login anytime, no extra software needed
- Start & stop media streaming
- View device status, preview videos (or thumbnails) and configure device parameters
- Control device start/stop/PTZ

KiloLink Server Pro Tech Specs

Product	KiloLink Server Pro
Max Number of Management	Unlimited
Streaming Services	NDI HX/ SRT/ RTMP/ RTSP/ RTP/ HLS/ TS-UDP
Management Type	Support user management, group management, organizational structure permission settings/firmware upgrades, etc
Operating System	Linux/Windows
Maintenance Mode	Add or delete devices, one click reset, restart, batch firmware upgrade
Browser Login	Chrome/Edge/Safari
Operating Environment	Docker
Authorization and Use	Free

KiloLink Server PRO Hardware Performance Recommendations

Items	Recommendations
CPU	X86 64bit CPU, 4 cores or higher, with a main frequency not less than 2.0GHz
ROM	Over 32GB
RAM	16GB RAM or higher
Bandwidth	Conventional device management and control, with a bandwidth of no less than 256Kbps per device (or software system) as the measurement basis, multiplied by the total number of managed devices as a bandwidth configuration reference

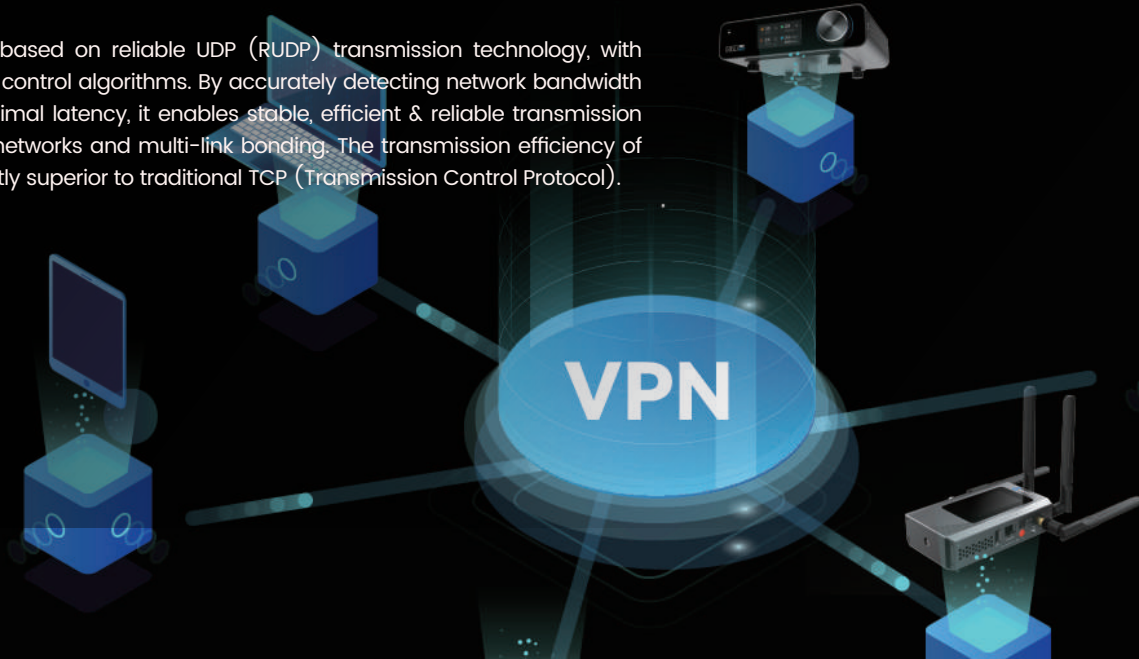
PATENTED MULTI-LINK BONDING UNLOCK YOUR AVOIP POTENTIAL

KiloLink Technology

- Bandwith optimization
- Stable, reliable and free
- Easy to deploy

KiloLink is a proprietary technology pioneered by Kiloview. Its core purpose is to utilize all possible network links and establish media transmission channels between Kiloview devices.

The technology is based on reliable UDP (RUDP) transmission technology, with precise congestion control algorithms. By accurately detecting network bandwidth and predicting minimal latency, it enables stable, efficient & reliable transmission over conventional networks and multi-link bonding. The transmission efficiency of KiloLink is significantly superior to traditional TCP (Transmission Control Protocol).



Easy deployment efficient connectivity

Kiloview provides bonding software for free allowing users to deploy servers either locally or in the cloud

Multi-link bonding for network acceleration

Utilizing bandwidth to achieve overlay to overcome poor network bandwidth conditions

Balanced stability & bandwidth guarantee

When any link experiences fluctuations, bandwidth load balancing is performed within 100ms

Secure encryption technology

Adopt TLS 1.3 encryption transmission to maximize the data security

VPN (Virtual Private Network)

Support VPN Enable secure internal network access

Free for use

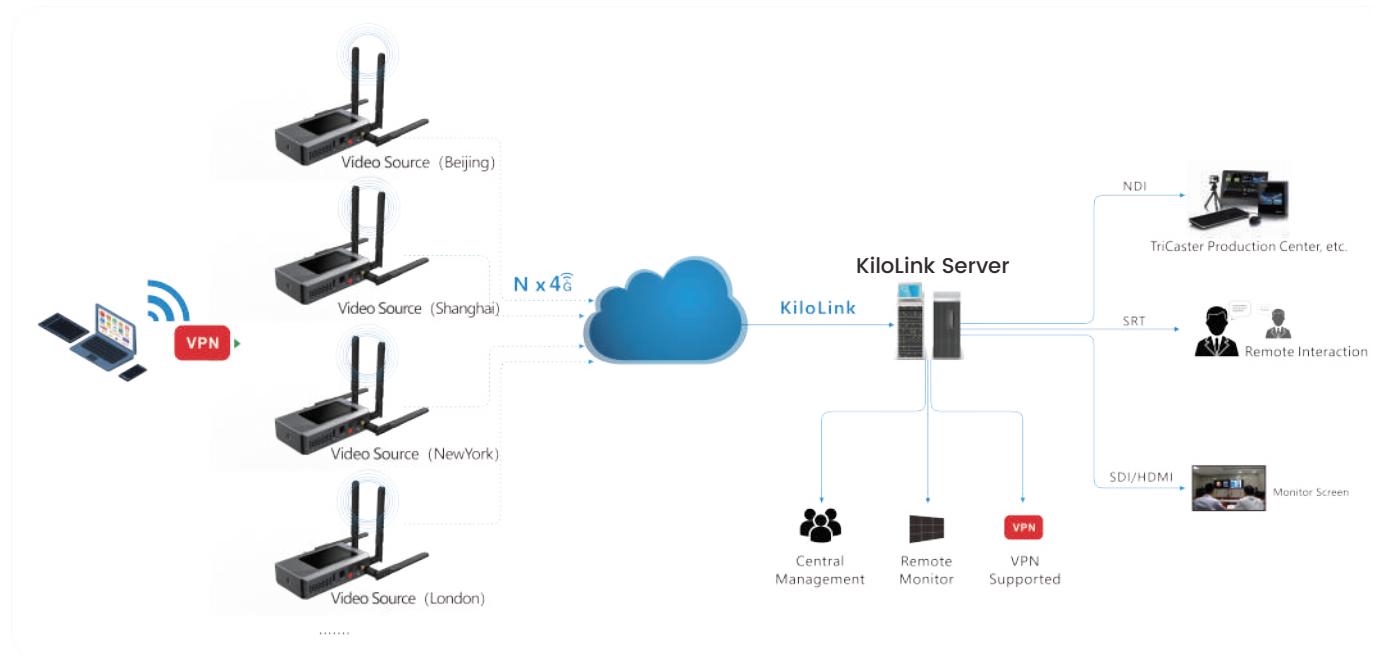
Applicable to all Kiloview devices Inter-connectivity

Applications

Reliable outdoor wireless bonding point-to-point transmission can be achieved by using P series and directly connecting to Kiloview MG300 v2 (Media Gateway).



Device management and streaming media forwarding can be achieved by using the P series to connect to KiloLink Server through 5G/4G bonding.



EASIER DIGITAL COMMUNICATION

Kiloview Intercom Server

Complete IP-based infrastructure

Multi-party calls with unlimited participants

Voice calls across Internet

Multi-terminal login with unlimited devices

KIS Pro is a simple & convenient multi-party voice intercom platform. It supports various login methods (encoders/decoders, intercom panels, mobile devices, tablets, and web browsers), enabling users to achieve an efficient & seamless calling experience.

KIS Pro facilitates multi-party voice calls across the internet, allowing participation from any location. Compared to its predecessor, KIS Pro features a clearer user interface, more flexible multi-party call capacity, more efficient channel management, and more accurate member search functionality. It is a software solution designed to effectively address your multi-party voice calling needs.



FREE

Cost-saving, IP-based infrastructure

Based on the WebRTC real-time transmission, the server supports cloud/local deployment

Real-time communication across the Internet

Join via Ethernet, WiFi, 4G/5G networks, supporting LAN/cross-Internet connections
Easy communication anytime, anywhere

Supports multi-party voice calls with unlimited participants

Supports any number of voice calls
Administrators can one-click mute or unmute members in channels

Supports multi-terminal access to calls

Supports access from various devices including encoders/decoders, computers, mobile phones, tablets

Efficient channel management

Multiple channel groups for member status viewing and searching, one-click quick channel switching for one-on-one calls

Ultra-low latency, clear and secure conversations

Utilizes IP network intercom communication system and digital audio processing technology to achieve super low latency



KIS Pro Tech Specs

Product	KIS Pro
Max CH of Terminals	No Limit
Max Sampling Rate	8KHz
Channel Mode	Mono
Encoding Format	G.711
Voice Calling Function	Support
One-Click On/Off of the Mic	Support
Kick-Out Function	Support
Multi-Language Switching	Support
User Management	Support
Tag Management	Support
Device Management	Support
API	Support
Version Switch	Support
Intercom Devices	LinkDeck/Kiloview Encoder&Decoder/PC/Tablet
Language	Simplified Chinese/English
Management	Web
OS	Linux OS
Service Charge	Free

MULTI-FUNCTIONAL SIGNAL CONVERSION

CV190/CV180/C1 Mini HD SDI Converter

The SDI multifunction converter series (models: CV190/CV180/C1 Mini) supports bidirectional conversion between SDI and SDI/HDMI/VGA/CVBS, with support for 1 input and 2 output modes.

With high-quality 10-bit YUV 4:2:2 conversion, it also has editing management functions such as frame rate/resolution conversion, color adjustment, and image zoom in/out.



- 

Compatible with multiple interfaces
- 

10-bit YUV 4:2:2, color fidelity
- 

Color adjustment, 3D noise reduction
- 

Progressive/interlace video conversion, video zoom in/out, frame rate conversion
- 

Supports 1 input & 2 output modes



- High performance chip for 24/7 stable operation
- Signal loss blue screen warning
- Manage via USB connection to PC
- HDMI audio separation or analog audio input (CV190)
- Independent analog audio output (CV180)

CV190/CV180/C1 Mini HD SDI Converter Tech Specs

Model	CV190	CV180	C1 Mini
Input	HDMI/VGA/AV(CVBS)	3G-SDI	3G-SDI
Output	2*3G-SDI	1*SDI, 1*HDMI, 1*BNC AV(CVBS), 1*VGA (Either two signals output simultaneously)	1*HDMI 1.4
Loop	/	1*3G-SDI	/
Audio I/O	Audio embedding	Audio demux	/
Highest Resolution	1080P60	1080P60	1080P60
Up/Down Conversion	Support	Support	Support
Power Consumption	5W	4w	2w
Weight	315g	315g	120g
Working Temperature	-20℃~60℃	-20℃~60℃	-20℃~60℃
Dimension (mm)	142.2*104*25mm	142.2*104*25mm	112.7*45.5*22mm

www.kiloview.com