KILOVIEW®

Any In, Any Out, Anywhere

Kiloview Electronics CO., LTD.

☎ +86-155-7666-2088   ⊕ www.kiloview.com/en   ✉ info@kiloview.com

📍 B4-106/109, Jiahua Intelligence Valley Industrial Park, 877 Huijin Road, Yuhua
District, Changsha, China

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

Leading Innovator and Solution Provider of IP-Based Video Transmission

Contents

1 About Kiloview

Founded in 2011, Kiloview is a professional hardware manufacturer, software developer, and solution provider in the field of IP-based video transmission and management, with products across the range of video encoding, decoding, conversion, IP-based video switching and streaming.

With the principle of Any In, Any Out, Anywhere, Kiloview provides reliable, affordable, high quality video transmission products and solutions, helping thousands of professional customers in fields of Broadcast, Sports, Education, Houses of Worship, Medical, Security, Enterprise and so on.

Kiloview supports full protocols including NDI, NDI|HX, SRT as well as RTSP, RTMP, HLS, RTP, TS-UDP, and ONVIF. With flexible types of standalone and rackmount multi-channels, functions such as PTZ control, voice intercom, recording, streaming services, Kiloview offers the most versatile AV-over-IP solution in the world.

Advantages

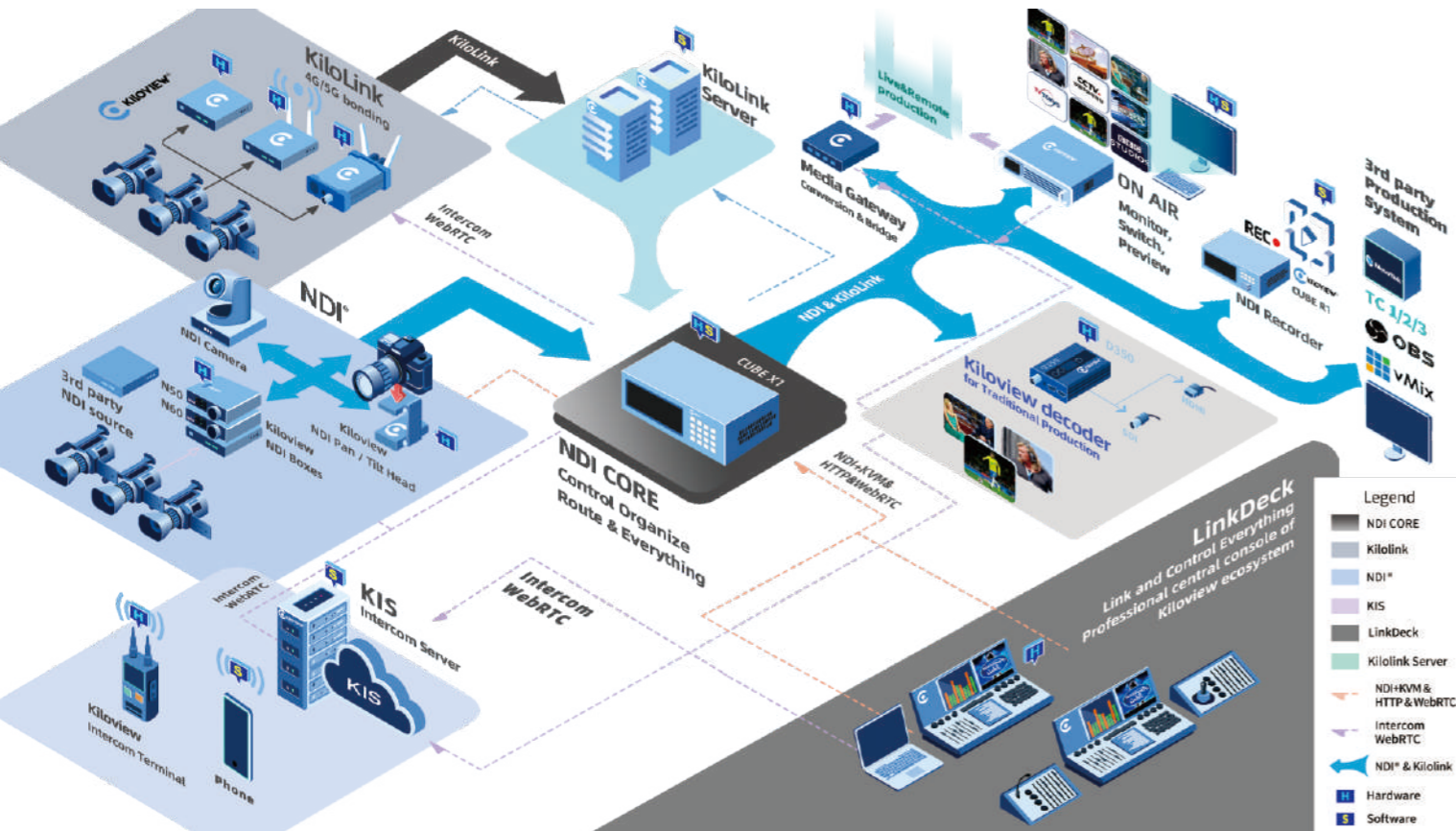| 15 Years+	Technical Accumulation	10000+	Customers	300,000+	Units Sold	150+	Countries Exported

Our Customers

Compatible with all NDI®-enabled software and hardware

NDI® is the registered trademark of NewTek, Inc.
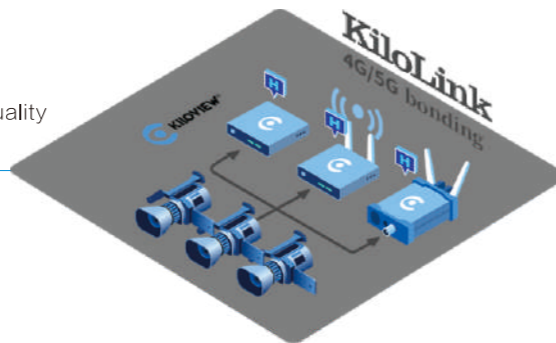
Total IP-based Video Transmission Solution

Video Transmission

Kiloview offers NDI, H.264 and H.265 encoders and decoders for professional IP-based video transmission with features of high-quality and low-latency.

IP Streams Control and Management

NDI CORE is a centralized management platform to achieve unlimited NDI sources replication, multiplexing and seamless routing, etc.
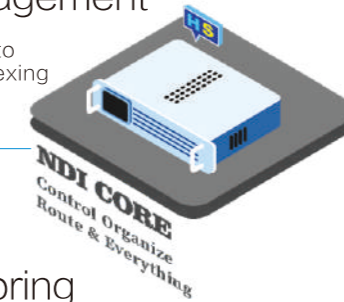
Centralized Preview & Monitoring

NDI Multiview System is a multi-screen playback system for unlimited NDI streams, supporting user-defined layout, multiple windows/multi-screen playback, output both NDI and NDI|HX.

Centralized Recording

NDI Recorder is an independent recording system to ensure ALL your NDI sources are recorded separately in synchronization.

Intercom

Kiloview Intercom Server (KIS) is a multi-channel communication software that is accessible to all KILOVIEW products and browsers through PC/mobile.
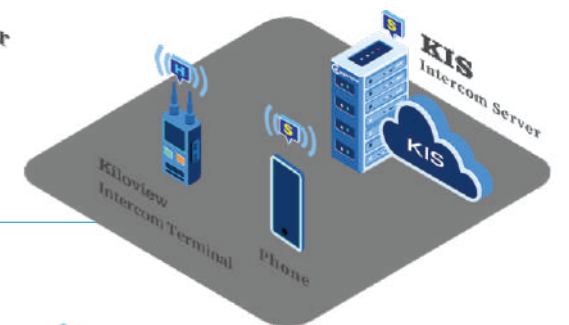
Centralized Device Management

KiloLink Server is a centralized KILOVIEW product management platform for all Kiloview products.

Applications NDI+SRT+5G...

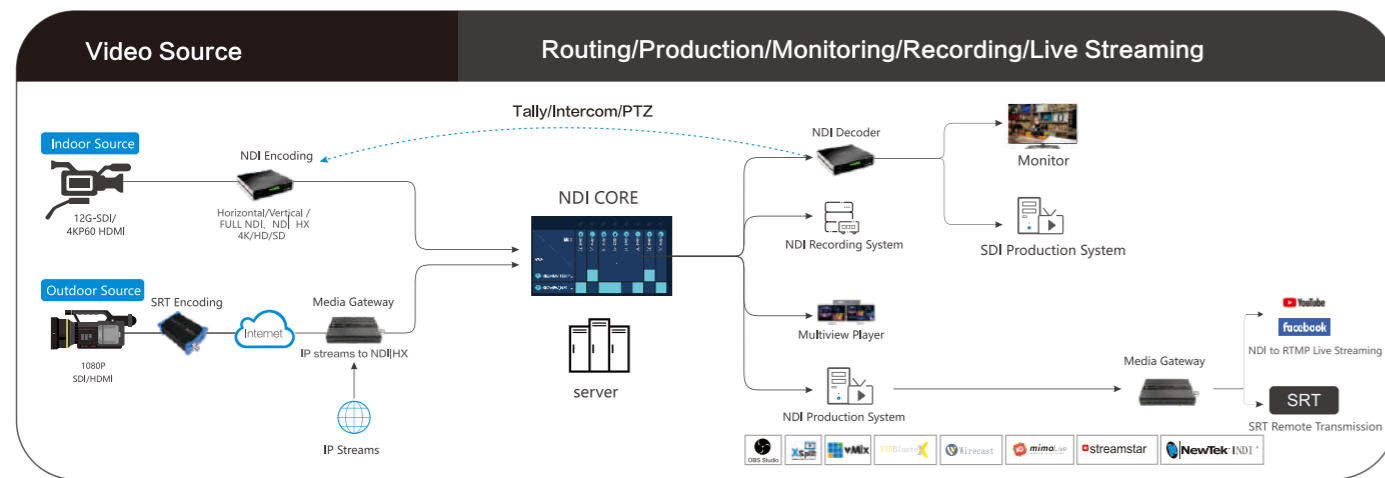## 1 NDI Production/Transmission Solutions

NDI is the IP-based video technology developed by NewTek (now Vizrt) representing high image quality, low latency and low cost. As the official partner of NewTek NDI technology, Kiloview offers a total turnkey solution including NDI encoding/decoding, NDI Core, Multiview system, NDI Recorder system, NDI protocol conversion, easily optimizing your NDI solution.

2 Centralized Monitoring for Live Events

Kiloview NDI|HX wireless transmission solution allows centralized monitoring for all moving cameras with low latency less than 200ms, and supports talkback among the director,the cameramen and PTZ control, etc.

Reality TV Show for NDI Wireless Monitoring (WiFi/5G ......)
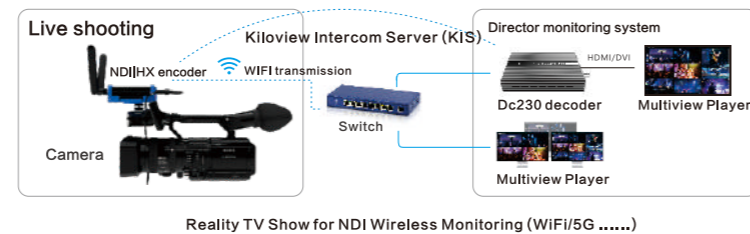
3 SRT Solutions

SRT, which stands for Secure Reliable Transport, is a video streaming protocol, ensuring the delivery of image quality and low-latency in a secure and reliable way across the network. Kiloview full range of H.265/H.264 encoders and decoders support SRT protocol, ensuring lower latency and more reliable transmission across network for your business.
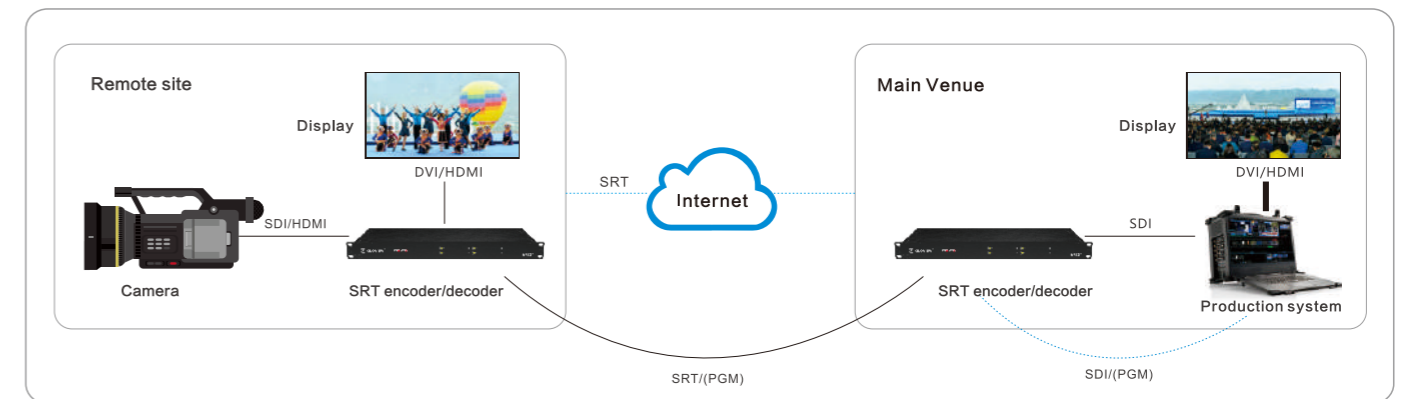
4 IRL Outdoor Live Streaming

For outdoor streaming, 4G bonding solutions are always required. Together with the design of up to 4CH 4G-LTE network connection + Wifi, Battery powered and recording, featuring the patented KiloLink bonding server which is simple & easy for centralized management, configuration and update, with streaming service to live stream videos in RTMP, SRT, RTSP and UDP etc. It is perfect for broadcast studios, sports, churches, universities and everyone to do live streaming or remote video transmission anytime anywhere, without the limit of network or space.
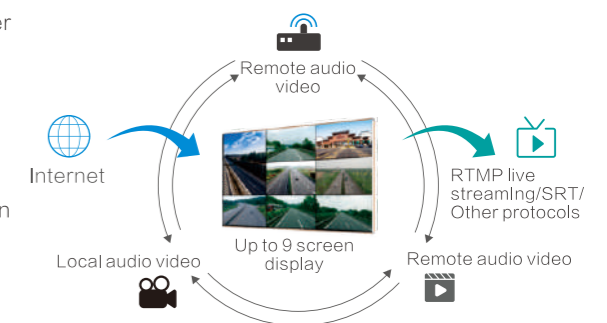
Why Kiloview?

Flexible

Professional

Reliable

Flexible—Full functions and total solutions

Kiloview provides flexible products including encoding, decoding, format conversion, protocols conversion, distribution and recording, graphics overlay, voice intercom, and centralized management in hardware and software mode, with the most common protocols.

Professional—High image quality and low latency

Adopting FPGA and professional chipset, we contribute to optimizing video processing via H.264, H.265 and NDI technology for more than 10 years. SRT end to end latency can be less than 200ms, NDI end-to-end latency can be lowest to 1-3 frame.

Reliable—24/7 reliable operation

Strict components selection and continuous design optimization to ensure all procedures are under professional testing.

Strict chip selection | Branded components | High end FPGA | Professional power

Support and Customization

Lifelong Technical Support, Customization Available.

All our products are independently developed and manufactured by Kiloview. We have a dedicated technical support team to answer all kinds of technical questions.

After-sales Services

Service	Description
Hotline	**24/7 hours available by telephone or email** Service Hotline: 86-15576662088 E-mail: support@kiloview.com
Warranty	**1-Year full unit warranty and 1 additional year via registration** Register on Kiloview official website to enjoy a FREE extended warranty, then you will get a free warranty period of TWO years from the date of shipment. (Register here: https://www.kiloview.com/en/support/register-for-free-extended-warranty/)
Online knowledge base	**Please refer to website www.kiloview.com/en/support/ for details**

Customization Service (OEM, ODM)

Services

Hardware customization | Software customization | Appearance customization | Hardware interface customization | PCB board customization

Product appearance and specifications are subject to changes without notice

2 NDI Series
4K/HD Video Converter
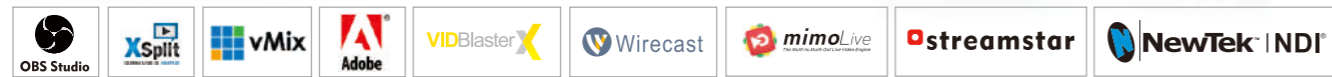
Compatible with all NDI-enabled software and hardware. NDI is the registered trademark of NewTek, Inc.

NDI+NDI/HX Series: NDI&NDI/HX, encoding&decoding, all in one. Various choice from 12G-SDI/4K HDMI/3G-SDI/HD HDMI. (Page 22)

Model: N50,N60,N5,N6

NDI Series: Full NDI, encoding&decoding, all in one. Various choice from 12G-SDI/4K HDMI/3G-SDI/HD HDMI. (Page 24)

Model: N30,N40,N3,N4,U40

NDI|HX Series: NDI|HX wired/wireless video encoders, 4K&HD decoders with dual output (Page 28)

Model: E3,N1,N2,E1-s NDI,E2 NDI

NDI Rack-Mounted Series: Freely insert encoding and decoding modules in a chassis, 4/16/32 channels available. (Page 50)

Model: RE-1 v2, RE-2, REN-1 v2,REN-2 ,RE-100,REN-100,RD-260, RD-350,RN-3,RN-40, RMG-300 v2

NDI &NDI|HX

NDI|HX3 Bi-Directional Converter

Full NDI&NDI|HX   Encoding&decoding   Up to 4Kp60

4K UHD to NDI&NDI|HX bi-directional converter
N50: 12G-SDI input, loop or output
N60: 4KP60 HDMI input, loop or output
Note: N50 and N60 support 4:2:2 10bit with NDI|HX.

NDI®

N50、N60

NDI®   NDI+NDI|HX 2.0, NDI|HX 3.0

Encoding and Decoding end to end latency≤80ms

Dual Ethernet Ports

Support 4K/HD HDMI input loop (N60/N6), or output12G-SDI/3G-SDI (N50/N5)

3.5mm Line in/out supported

Size: 135×98×35mm

N5、N6

2-IN-1 for NDI Encoding & Decoding   NDI®

Full NDI&NDI HX 2/3

Seamless Switching

KIS Intercom

Centralized Management

PoE

Support 4:2:0 8 bit with NDI|HX

1080p60 HD to NDI&NDI|HX bi-directional video converter
N5: 3G-SDI input, loop or output
N6: 1080P60 HDMI input, loop or output

NDI Bi-Directional Video Converter

Encoding&Decoding, All In One

12G-SDI **4K HDMI** **HD**

Cold Shoe Mounting

Product Series

4K UHD to NDI bi-directional video converter

N30: 12G-SDI input, loop or output
N40: 4K P60 HDMI input, loop or output

1080p60 HD to NDI bi-directional video converter

N3: 1080P60 SDI input, loop or output
N4: 1080P60 HDMI input, loop or output

More Features

NDI High-bandwidth NDI, ultra low latency

Tally at both sides

USB expansion: PTZ control/digital switching keypad

Power over Ethernet (PoE)/Gigabit network

5-18V wide range power supply

NDI auto-discovery/Multiple sources smooth and seamless switching

Rackmount solution/Freely mixed cards

Voice intercom supported

Functions in Common
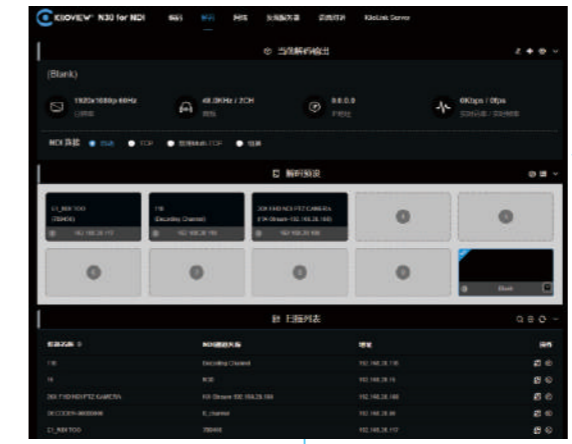
Preset 10 NDI sources (9 decoding sources and one blank)for dynamic and smooth switching

USB Type-C expansion to keypad for outputs switching (N60 can use the scroll wheel for switching)

Auto-discovery and manaual addition

U40 4K P60 HDMI to NDI Encoder

NDI+NDIHX   HDMI/IP to NDI   PoE/PTZ/Tally   Voice Intercom

Φ：90mm，H：30mm

More Features

Real 4K P60

NDI® HDMI to Full NDI
IP to NDI|HX More options

PoE/PTZ/Tally

Voice Intercom

Solutions

Network PTZ Signal/Tally signal

485/232 controlling signal

DC 12V1A

4K HDMI

3.5mm audio line

Conference cameras   PTZ cameras

HDMI cameras

Convert IP streams such as SRT/
RTMP/RTSP/UDP/HLS to NDI|HX

Network

NDI®/(PoE)   Network Switcher

4K NDI® Decoder

HDMI

On-screen displaying

12G-SDI/3G-SDI

SDI production system

OBS Studio   XSplit   vMix
VEESaber X   Wirecast
mimo   streamstar
NewTek | NDI

NDI® Production System

N1/N2
Wireless NDI Encoder

`Professional` `Affordable wireless NDI|HX Encoder`

More Features

- Stable **Wireless** connection
- Most protocols NDI|HX, SRT, RTSP, RTMP and more
- Compact size with threaded screw
- Recording with Micro SD/NAS supported
- Powerful encoding with multiple stream output
- Built-in cooling fan for heat disspation
- Built-in battery lasting for 3 hours

`Mobile shooting` `Remote production` `Live streaming`

Multi-channel HD video transmitting simultaneously

NDI|HX, SRT, RTMP, RTP, TS-UDP, HLS supported.
Stream to 16 platforms simultaneously.
(Main stream + Sub stream)

NDI|HX Decoders

D350 4K H.265/H.264 Video Decoder

Support 4K H.265/H.264 Decoding
Support 9CH Decoding
Output to SDI+HDMI simultaneously
3G-SDI + 4K HDMI

D260 H.265 Video Decoder

H.265/H.264 decoding
4CH Multiview decoding
Output to SDI and HDMI
3G-SDI and HD HDMI

Please refer to P46~P49 for more details

More Features

All Protocols: NDI, NDI|H×2.0,
D350 only: NDI|H×3.0, SRT/RTMP

Multi-view display: 9CH decoding
with split layout, dynamic switching

SDI+HDMI

Output to 1×3G SDI,
2×HDMI 2.0 simultaneously

OLED Screen display:
real-time monitoring of unit status like
IP address, network status

NDI Encoder& Decoder Parameters Comparison

| Model No.	N50/N60	N5/N6	N30/N40	N3/N4	U40	N1/N2	D350	D260
NDI Protocol	NDI+NDI|HX	NDI+NDI|HX	NDI	NDI	NDI	NDI	HX	NDI+NDI|HX	NDI|HX
Encoding & Decoding	support	support	support	support	Encoding Only	Encoding Only	Decoding Only	Decoding Only
Input Port	N50:12G-SDI N60:4KP60 HDMI	N5:3G-SDI N6:1080P60 HDMI	N30:12G-SDI N40:4K HDMI	N3:3G-SDI N4:1080P60 HDMI	4KP60 HDMI	3G-SDI/1080P60 HDMI	1000MRJ45	1000MRJ45
Loop/Docoding Output	N50:12G-SDI N60:4KP60 HDMI	N5:3G-SDI N6:1080P60 HDMI	N30:12G-SDI N40:4K HDMI	N3:3G-SDI N4:1080P60 HDMI	/	/	SDI+HDMI×2	SDI+HDMI×2
Network Interface	2×1000Mbps	1×1000Mbps	1000M RJ45	1000M RJ45	2×1000M RJ45	WiFi/4G/USB RJ45	2×1000M RJ45	2×1000M RJ45
PoE	support	support	support	support	support	/	support	/
Tally	support	support	support	support	support	USB	/	/
PTZ Control	USB	USB	USB	USB	USB	USB	USB	USB
DHCP	support	support	support	support	support	support	support	support
Recording	Yes	/	/	/	/	Yes	/	/
Management	Web/KiloLink Server	Web/KiloLink Server	Web/KiloLink Server	Web/KiloLink Server	Web/KiloLink Server	Web/KiloLink Server	Web/KiloLink Server	Web/KiloLink Server
Dimension (mm)	N50:135×124×35mm N60:135×106×35mm	N6:100×95×23mm N5:100×111x23mm	N30:100×95×23mm N40:100×80×24mm	100×80×24mm	Ø:90mm H:30mm	115×75×35mm	140×105×28mm	163×104×25mm
Power Consumption	16w	6w	6w	6w	7w	6.5w	6w	6w
Working temperature	-20℃~60℃	-20℃~60℃	-20℃~60℃	-20℃~60℃	-20℃~60℃	-20℃~45℃	-20℃~60℃	-20℃~60℃
Screen	LCD with Scroll Wheel	LCD	/	/	/	/	OLED	OLED
Image Quality	10bit/4:2:2	8bit/4:2:2	8bit/4:2:2	8bit/4:2:2	8bit/4:2:2	8bit/4:2:0	8bit/4:2:0	8bit/4:2:0

3

H.265/264
Video Encoders
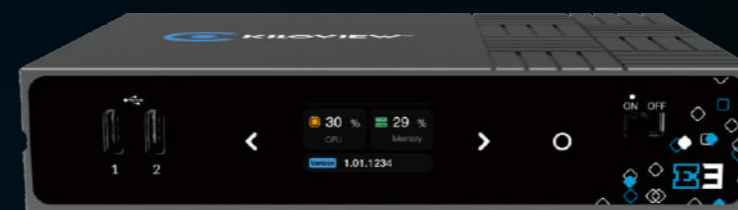
Broadcast Level   All Protocols

Adjustable Bitrate   7×24h Reliable Operation   Ethernet/WiFi Transmission

Adopt professional capture chipset and FPGA processing during video capturing, Kiloview optimizes H.265/H.264 algorithm during video encoding together with self-developed streaming protocol for many years, making its encoding quality at a broadcast level. With a variety of encoders, decoders, NDI converters, NDI software options available for 4K UHD/HD, Wireless, 4G, 5G, customers have benefited from transmitting videos via WAN/LAN/Internet, flexible video encoding/decoding, and affordable live streaming infrastructure with a wide range of protocols including NDI, NDI|HX, SRT and RTMP.

Coupled with KIS system you can achieve multi-channel intercom communication. (see page 68)

Centralized management and monitoring of all Kiloview devices by registering to KiloLink Server. (see page 66)

SRT | SRT (Secure Reliable Transport) is a transport protocol for enabling the delivery of high-quality, low-latency video across the network. Kiloview is a member of the SRT Alliance. Kiloview full range of H.265/H.264 encoders and decoders can support SRT protocol to help your transmission more stable with low latency over internet (Network transmission latency is able to be controlled under 200~500ms).

E3

Dual-Channel 4K HDMI & 3G-SDI HEVC Video Encoder

E3:
Input: 3G-SDI (1080P60) + HDMI (4K P30)

Threaded screw camera mount

4K H.265 Encoding
Up to 4KP30

NDI|HX/SRT/RTMP
Common streaming protocols supported

Tally/PoE/PTZ
More functions

Intercom
Intercom System
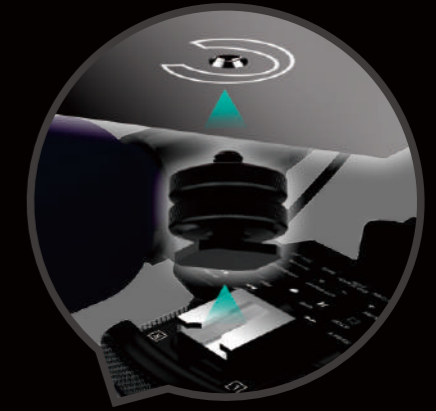
More Features

HEVC HEVC encoding and lower bandwidth occupation Compatible with H.264 encoding

Wired network transmission

Built-in Tally used for PVW/PGM

Common protocols such as NDI|HX, SRT,RTP,RTSP,RTMP,TS-UDP and HLS

Power over Ethernet(PoE)

USB expansion storage and PTZ control

Text and image overlay, NAS storage

P3

5G Bonding Video Encoder

Your Go-to Device for a Perfect Outdoor Live Streaming

| 3G SDI+4K HDMI | H.265 Encoding |
| 5G/4G | Modular Design | Redundant Battery |
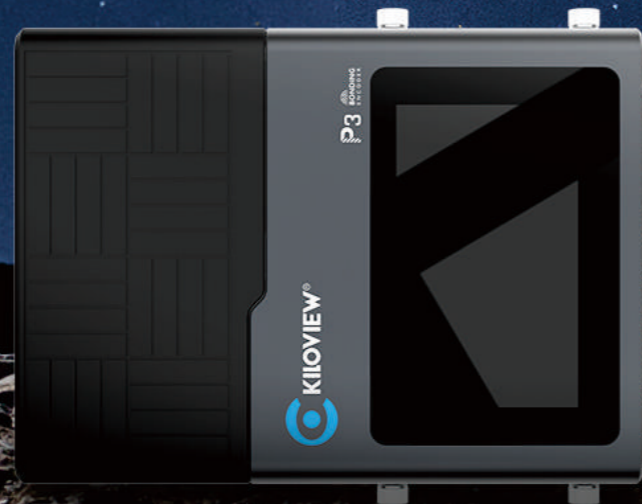
6CH BONDING

Up to 6 channels of IP connections bonding

H.265 ENCODING

Save up to 50% of bandwidth

SDI+HDMI INPUTS

3G-SDI and 4KP30 HDMI inputs

NDI|HX/SRT/RTMP

Most commonly used streaming protocols supported

H.265

H.264

2160

1080 Full HD

720 HD

More Features

5G — Up to 6 channels of IP connections bonding(4 CH of 5G Cellular, WiFi and Ethernet)

H.265 — H.265 Encoding saves up to 50% of bandwidth

3G-SDI and 4KP30 HDMI inputs

NDI® — Streaming protocols supported including NDI|HX/SRT/RTMP/RTSP/UDP/HLS

4.3-inch display for system status monitoring and video return

Redundant battery

Safe and flexible bonding server

KIS intercom

P series
4G Bonding Encoder

Anytime Anywhere for Live Streaming

5 network bonding **Ultra low latency**

Intercom support **Centralized management**

Portable and compact threaded screw camera mount

The 4G bouding function needs to work with KiloLink Bonding Server free.
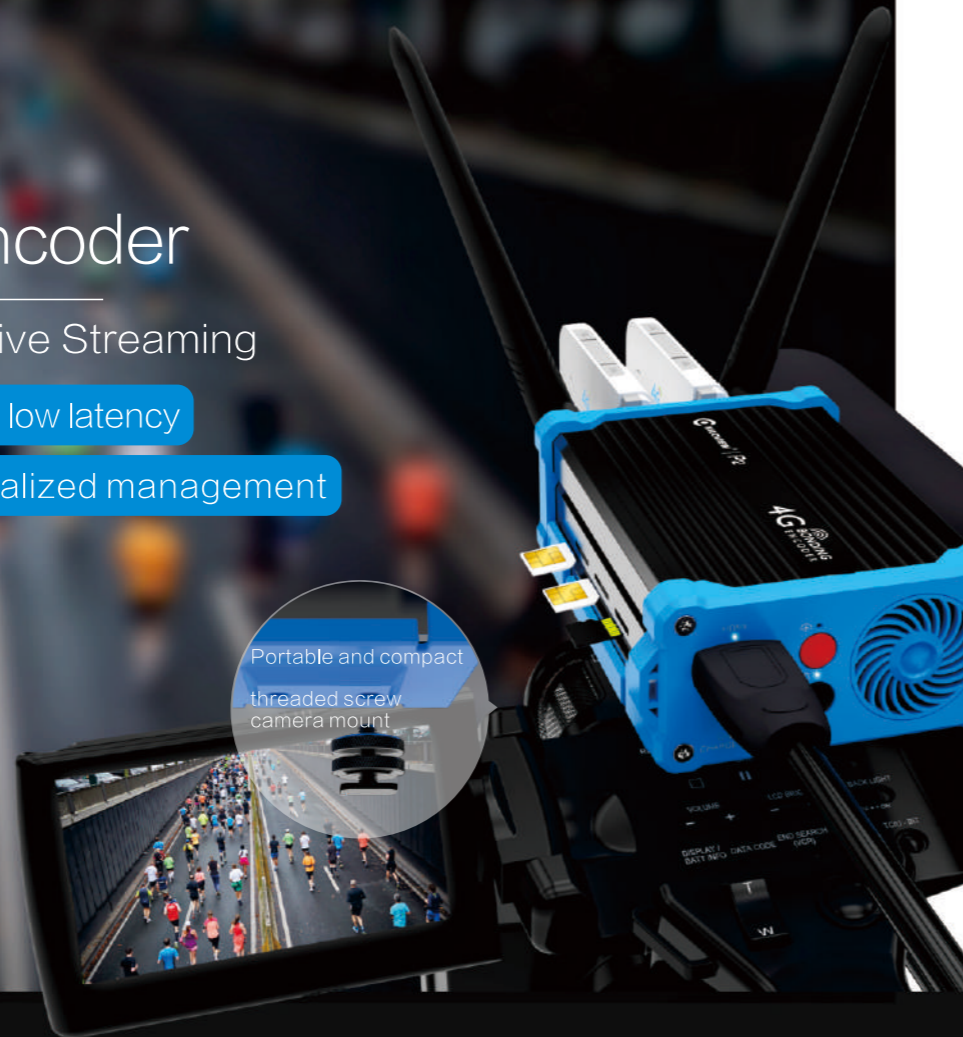
More Features

Up to 5CH network bonding: 2 × internal SIMs, 2 × external SIMs by USB Dongles, 1 × WiFi

SRT high-quality transmission, end-to-end latency across the Internet is about 1s

Intercom across the Internet

Self-host KiloLink 4G bonding server deployed on premise or cloud-based server

Portable, built-in battery, for 3-5 hours streaming cold shoe installation

More Functions

⊙ Stable & Reliable connection at weak connectivity network condition with precise congert control and adaptive BR mechanism.
⊙ Ethernet/WiFi/4G-LTE transmission.
⊙ Record/Storage: Built-in SD/TF card slot for local recording and NAS storage.
⊙ Built-in cooling fan for non-stop streaming.
⊙ Support more protocols: SRT, RTMP, RTMPS, RTSP, UDP, HLS, RTP and even NDI|HX(license required).
⊙ Real-time monitoring of 4G aggregation network status, online preview for all devices.
* **Direct streaming from Kilolink server, no extra server required**

G/E/M Series
HD Video Encoder

G Seies Wireless | E Seies Wired | M2 Dual Interfaces

182X122X36mm

125*89*28mm

125×89×28mm

G Series
WiFi/USB expansion 4G/Ethernet

G1-s:SDI input/loop
G2：HDMI input/loop
Up to 1080p 60Hz

E Series
Ethernet transmission

E1-s:SDI input/loop
E2：HDMI input/loop
Up to 1080p 60Hz

M2
HDMI+VGA Dual Input Ethernet
2 in1 (Note: No loop port)
Up to 1080p 60Hz

Functions in Common

H.264

H.264 Encoding
Support common protocols
such as SRT/RTP/RTSP/RTMP/
TS-UDP/HLS

NDI®

Support customization for
NDI|HX, SIP, etc.

Dual-stream output.
Main and sub stream configured with
different parameters and can both stream
to 8 platforms simultaneously

User-defined text and image overlay

Pre-processing such as image
cropping and rotation before encoding

64k~40M

Adjustable bitrates: 64Kbps ~ 40Mbps

1080P

Resolution up to 1080P60 and output
resolution adjustable

TF SD
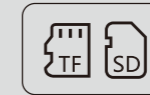
With Micro SD/TF card slot, USB expansion
storage and NAS network storage
(Note: M2 without card slot,
but can support USB expansion storage)

Audio embedded encoding and
intercom function

Application

A&V transmission/production/
monitoring/live streaming/interactions/
system integration etc.

1   Network image transmission

Camera — SDI / HDMI — Video encoder — Ethernet WiFi / 4G/5G Satellite — Video decoder
1 — Display
2 — Other SDI/HDMI/DVI system
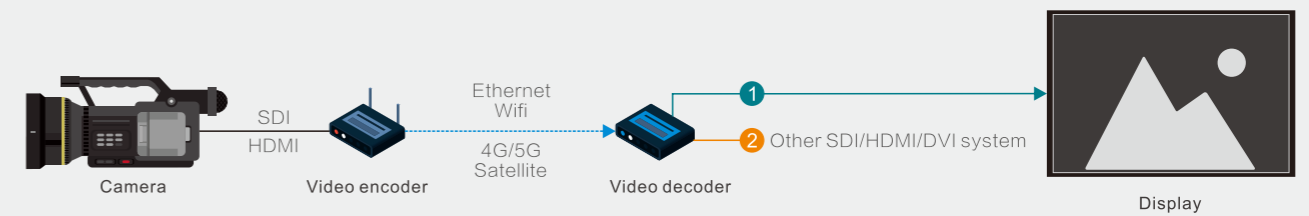
2   Production and monitoring in studios

Camera — SDI / HDMI — Video encoder — Ethernet WiFi / 4G/5G Satellite — Multi-channel video encoder
1 — Monitoring system
2 — Display
3 — Production system
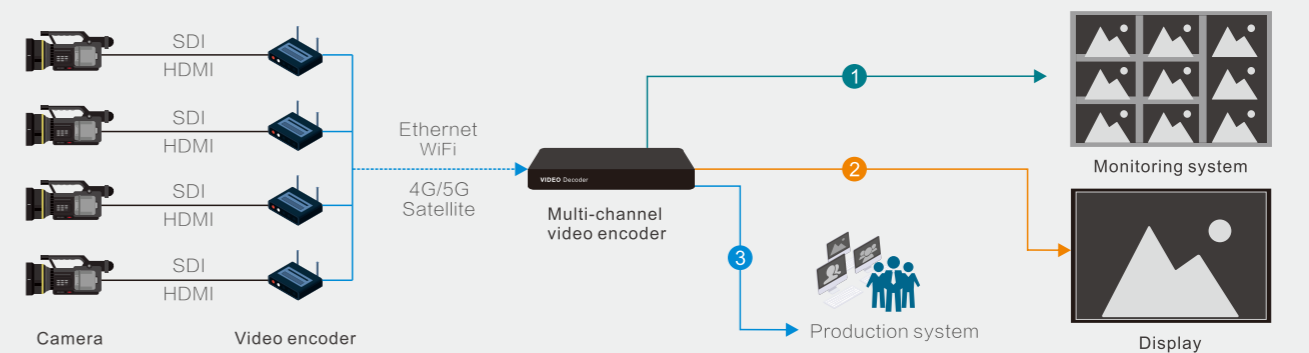
3   Outdoor live streaming and remote production

Camera+4G bonding encoder
1 — RTMP live streaming (YouTube, Facebook, etc.)
2 — SRT remote transmission — SRT video decoder
Media gateway *1 — SRT to NDI
1 — SDI production system
2 — Display
NDI production system

*1：Embedded media gateway, supporting NDI and other protocols mutual conversion
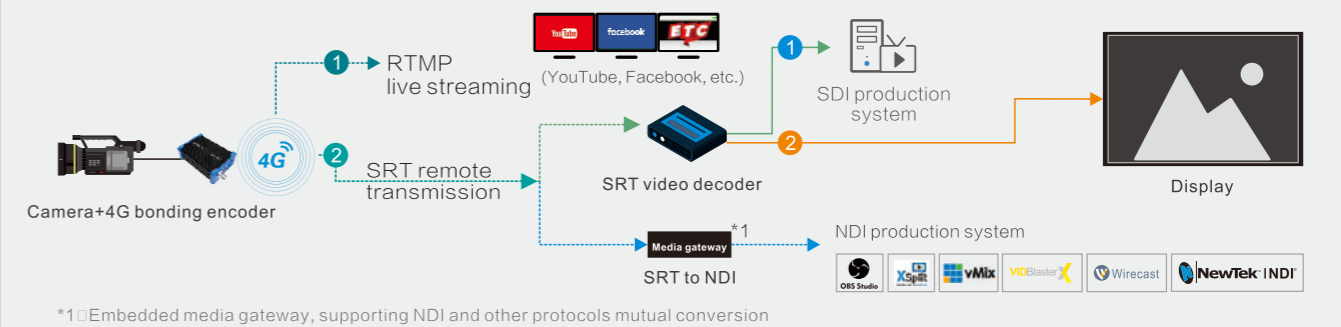
4   Integrated with your system

| Video encoder | + | Kilolink Server | + | Software secondary development |

Software and Secondary Development

Web Console (PC)

HTTP API

Kiloview's full range of products present HTTP API including all functions. When you need to control Kiloview products by yourself, you just need to use HTTP to call API interface. Almost all programming languages including C/C ++, Java, .Net, JavaScript, Python can support HTTP call programming.

Software SDK on PC

Kiloview provides a highly packaged software SDK, which uses C/C++.NET languages for second development based on Windows, Linux and Mac OS. SDK offers capabilities such as video stream capture, video ultra-low latency playback and recording. With the help of SDI, you will get our products integrated with your software system easily and quickly.

Open OS for Secondary Development

After ten years' experience, our self-developed KILOVIEW Media Framework has grown into a standard video/stream media development framework. Through high integration and package, KILOVIEW Media Framework develops consistent streaming media software applications on cross-platforms (ARMLinux/x86 Linux/x64 Linux/Windows). The modular design allows users to implement flexible streaming services in a "building blocks" way.

This includes the flexible combination of streaming media transmission such as SRT/RTMP/TS/HLS /RTSP, video/audio switching, protocol conversion, and video storage. Under the premise of the license, KILOVIEW can provide Media Framework to our clients for secondary development. This is a complete set of development tools. Users can use C/C ++ /LUa or other programming languages to develop their own software that can run on the encoder and quickly deploy it to the device featuring personalization.

H.265/H.264 Encoders Parameters

Product Name	E3	P series	G series	E series	M2
Stream Protocols	SRT/RTP/RTSP/RTMP/TS-UDP/HLS and custom for SIP,NDI|HX,etc.				
Max Resolution	4KP30	P1/P2:1080P60 P3:4KP30	1080P60	1080P60	1080P60
Video Encoding	H.265/264	P1/P2:H.264 P3:H.265/ H.264	H.264	H.264	H.264
Video Input	3G SDI+HDMI	P1:SDI P2:HDMI P3:1*4K HDMI 1*3G-SDI	G1:SDI G2:HDMI	E1:SDI E2:HDMI	HDMI+VGA
Loop	Yes	/	Yes	Yes	/
Network	Ethernet	P1/P2:4G/WiFi /Ethernet P3:5G/4G/WiFi /Ethernet	WiFi/Ethernet/ USB Expansion 4G	Ethernet	Ethernet
Analog Audio Input	Yes	P1/P2:USB Expansion P3:Yes	Yes	Yes	Yes
Audio Encoding	AAC/G.711	AAC/G.711	AAC/G.711	AAC/G.711	AAC/G.711
Dual Stream	Yes	Yes	Yes	Yes	Yes
Local Storage	USB expansion	SD card/USB expansion	SD card/USB expansion	SD card/USB expansion	USB expansion
Network Storage	Yes	Yes	Yes	Yes	Yes
Tally	Yes	P1/P2:USB Expansion P3:Yes	USB expansion	USB expansion	USB expansion
PTZ	USB expansion	USB expansion	USB expansion	USB expansion	USB expansion /Rs485
Dimension(mm)	135×100×22	P1:140*82*42mm P2:125*85*42mm P3: 211*143*68mm	125×89×28	125×89×28	182×122×36
Power	12V1A	12V1A	12V1A	12V1A	12V1A
Management	WEB/APP/ KiloLink Server	WEB/APP/ KiloLink Server	WEB/APP/ KiloLink Server	WEB/APP/ KiloLink Server	WEB/APP/ KiloLink Server
Working temperature	-20℃~60℃	-20℃~45℃	-20℃~60℃	-20℃~60℃	-20℃~60℃

4

H.265/ H.264
Video Decoder

Embedded

Embedded hardware decoding

SDI decoding

Professional SDI decoding

Multiview

Multi-screen output, customization layout

D350
Support 4K H.265/H.264 decoding, 9 channels IP stream decoding, SDI + HDMI synchronous output

D260
Support HD H.264/H.265 decoding, 4 channels IP stream decoding, SDI and HDMI output

Model	D350	D260
Network interface	2 × 10/100M/1000M RJ-45 Ethernet ports with PoE	2 × 10M/100M/1000M RJ-45 Ethernet ports
Decoding output	1 × SDI+2 × HDMI	1 × SDI and 2 × HDMI
Audio output	SDI/HDMI embedded, or 3.5mm Line out	SDI/HDMI embedded, or 3.5mm analog output
Input protocol	NDI, NDI|HX2.0, NDI|HX3.0, SRT, RTMP, RTMPS, HLS, TS over UDP, RTP and RTSP	NDI|HX2.0, NDI|HX3.0, SRT, RTMP, RTMPS, HLS, TS over UDP, RTP and RTSP
Video decoding format	H.265/H.264	H.265/H.264
Audio decoding format	AAC/MPEG-4/MPEG-2/G.711/Opus/LPCM	AAC/MPEG-4/MPEG-2/G.711/Opus/LPCM
decoding delay	<200ms (adjustable)	<200ms (adjustable)
Decoding capability	9CH 1080P60, or 4CH 4KP30, 1CH 4KP60	4 Channels 1080p60
OLED screen	0.96"OLED Screen to show IP address and status	0.96"OLED Screen to show IP address and status
Split output mode	Self-define within 9 grids	Self-define within 4 grids
Management	Web/KiloLink Server	Web/KiloLink Server
Operating temperature	-20℃~60℃	-20℃~60℃
Power	12V, 1A	12V, 1A
Size	140 × 105 × 28mm	163 × 104 × 25mm

D350
4K Video Decoder

- ☑ 4K H.265/H.264 decoding
- ☑ Support 9CH decoding, split display, dynamic switching
- ☑ Support more protocols, NDI, NDI|HX, SRT video decoding
- ☑ Real-time network status monitoring

H.265	4K						
H.264/H.265	Support 4KP60	Low latency decoding	9 grids division and display	Versatile protocols supporting	Multiple streams switching	Real-time status monitoring	7×24h working

Highlights

4K H.265 9CH multiview video simultaneous decoding

- ⊙ Support multi-channel decoding
- ⊙ Support split display, dynamic switching (9CH 1080P60, or 4 for 4KP30, or 2 for 4KP60, self-definition 1/2/3/4/6/9 grids display)

Most common protocols: NDI, NDI|HX, SRT and more

- ⊙ Support NDI, NDI|HX2.0, NDI|HX3.0, SRT, RTMP, RTMPS, HLS, RTSP.
- ⊙ Typical network environment decoding delay less than 200ms, delays can be set according to network conditions

3G-SDI, 2xHDMI 2.0 multi-interface simultaneous output

- ⊙ Support 3G-SDI, 2×HDMI 2.0 multi interface synchronous output, simultaneous decoding and output of the same or different input，HDMI output up to 3840×2160@60Hz, SDI output up to 1920×1080@60Hz, the output resolution, progressive/interlaced scanning, frame rate can be adjusted
- ⊙ Image and text overlay output

More Features

- ⊙ Real-time network status monitoring
- ⊙ Dual Gigabit Ethernet interfaces, flexible to adapt to the network environment
- ⊙ USB expandable storage, USB to 485/422 serial port to control PTZ camera
- ⊙ Support voice intercom
- ⊙ Support KiloLink Serve for centralized management

140*105*28mm

D260

4-Channel HD H.265 HDMI&SDI Decoder

Hardware decoding, IP to SDI or HDMI

D260– Kiloview newest H.265 1x3G-SDI+2xHD HDMI decoder which builds on the capabilities of our DC230 with expanded new features including upgraded decoding performance, extended ports, more protocols supported and a new OLED screen.

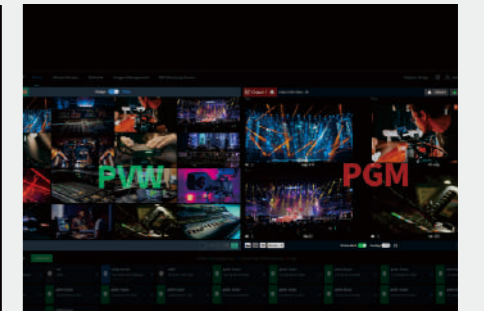## Highlights

- ⊙ Support H.265/H.264 up to 1080P60, output resolution is adjustable
- ⊙ Support NDI|HX2.0, NDI|HX3.0, SRT, RTMP, RTMPS, HLS, RTSP and TS over UDP
- ⊙ Preview 16 video streams and select 4 of them to display on the screen for output simultaneously. Monitoring PVW and PGM.

- Audio Line Out
- SDI Output
- Dual HDMI Output
- Power+12V
- Ethernet
- Type-C
- USB for Intercom

5

NDI Solutions

NDI Core/NDI Multiview/NDI Recorder/LinkDeck

NDI is the IP-based video technology developed by NewTek (now Vizrt) representing high image quality, low latency and low cost. As the official partner of NewTek NDI technology, Kiloview offers a turnkey solution including NDI encoding/decoding, NDI Core, Multiview system, NDI Recorder system, NDI protocol conversion, easily optimizing your NDI solution. Compatible with TriCaster, vMix, OBS and other platforms, so your video production can be carried out anytime, anywhere.

NDI Solutions for Studio

NDI transmission/NDI Core/NDI Multiview/NDI Recorder/NDI Convert/Voice Intercom/Central Management……

| Video Source | Routing/Production/Monitoring/Recording/Live Streaming |
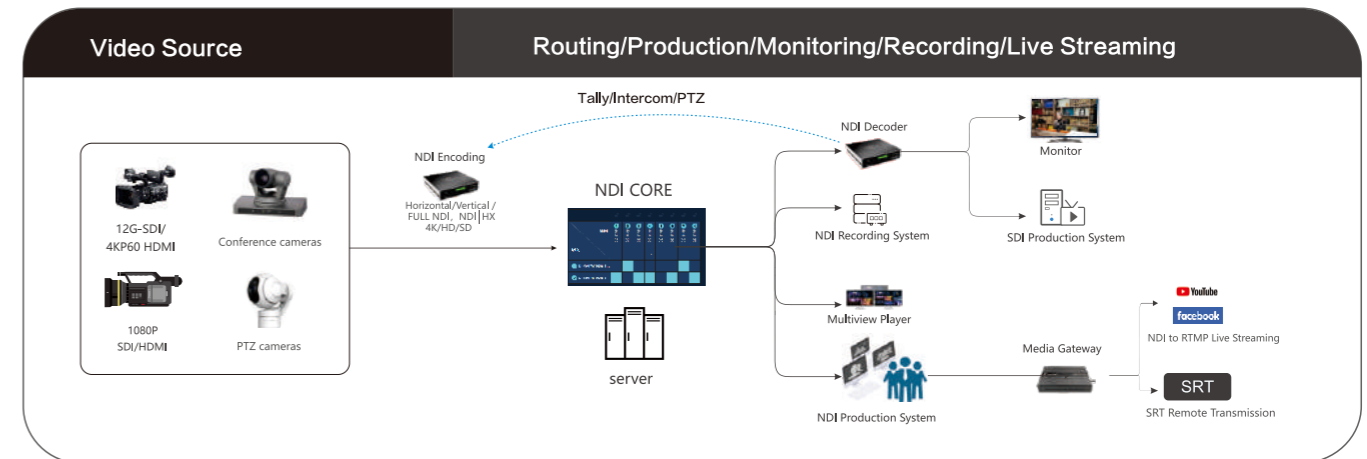
NDI Version

There are two versions in NDI world, NDI and NDI|HX.
NDI is an I-frame higher data rate protocol that can be used to renew complicated SDI or HDMI connections, it features ultra low latency(end to end latency is around 80ms), on the other hand, it does need some bandwidth, bandwidth requirements as below:

Resolution	4KP60	4KP30	1080P60	720P60
Default Bitrate	250Mbps	200Mbps	125Mbps	90Mbps

The NDI|HX(high efficiency) is a lower bandwidth version of NDI full bandwidth. It was born and used H.264 video compression method to reduce the required network bandwidth. It only needs 10Mbps for single NDI stream in 1080P60 resolution, end to end latency is around 200ms, currently NDI|HX 2 and NDI|HX 3 are available as well.

Free Trial

You can get a 15-day free trial of NDI Core and NDI Recorder, while NDI Multiview Free.
Please visit our website to apply the free trial: https://www.kiloview.com/en/

CUBE X1 NDI CORE

Cube X1 NDI CORE is a unified scheduling, switching and distribution management service product for all sources, supporting 16 NDI inputs and 32 NDI outputs, with resolution up to 4KP60, which can realize seamless switching of all sources, without black screen and lag.In addition, it can realize non-multicast multiple distributions, multi-business grouping management, NDI signal rotation playback, etc. It is also compatible with NDI signals of any format or from any device, such as UHD/HD/NDI/NDI|HX and other NDI inputs for seamless docking. Equipped with an LCD touch screen, the CUBE X1 allows users to monitor the network status, storage space, and CPU occupation in real time.

NDI CORE System Principle: All NDI sources are connected to the NDI CORE server, then switched and distributed internally by the NDI CORE server, which can truly achieve seamless switching and non-multicast multiple distribution.

More Features

Signal Amplification

Support NDI signal plification. Create as many NDI outputs as desired. (NDI signal processing capability is dependent on the performance of your own hardware server).

Group Management

Defined control panel, different groups. The input and output group can be set independently

Seamless Switching

Switching with no black screen, no stagnation, and no splash screen without intervention by frame synchronization device.

High Compatibility

Support any number, any format, any resolution of NDI input for seamless interfacing with other NDI software and hardware systems. Support Tally/PTZ/Metadata reverse pass-through function.

NDI Loop Playback

Users can independently set the program source, dynamically adjust the playback order, playback time, etc. to achieve automatic switching.

Visual Operation

LCD touch screen + keypad design for portable and efficient management of image input and switching output.

Panel Management   NDI Crosspoint/IO Panel Switching   Loop Playback
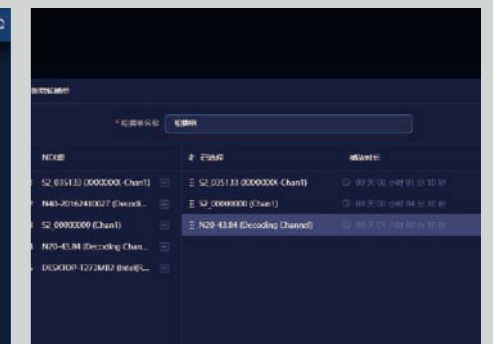
CUBE X1 NDI CORE Parameters

Model No.	CUBE X1
Inputs/Outputs	16×32 channels (customize for 64×128)
Resolutions	Up to 4Kp60
Output port	1×HDMI
USB Port	1×Type-C port for USB expansion
LCD Screen	5.5" touch-screen and 1080p resolution
Measurement	220×231.45×88mm(Half of 2U)
Network Ports	Dual 10G optical ports or electrical port and 1G RJ45 network port
CPU	8 core 64-bit processor
RAM	12GB
Operation System	Linux
Management	Web/KiloLink Server

Further software specifications, please check our website:
https://www.kiloview.com/en/ndi/ndi-core/

NDI CORE Parameters(Software)

| Types	Basic	Pro
Free Trail	15-day free trial for limited 4 inputs and 4 outputs	15-day free trial for limited 4 inputs and 4 outputs
Max NDI Input — Kiloview/NewTek	Unlimited	Unlimited
Max NDI Input — Others	16	Unlimited
Max NDI Output	16	Unlimited
NDI Output Connections	Unlimited (Depends on bandwidth)	Unlimited (Depends on bandwidth)
Number of Control Panel	Unlimited	Unlimited
Max Input resolution	4K P60	4K P60
Max Output resolution	4K P60	4K P60
Input NDI Version	NDI/NDI|HX	NDI/NDI|HX
Output NDI Version	Same as input	Same as input
Switch Panel	Crosspoint	IO panel and Crosspoint
NDI Bridge Support	No	No
RTMP/RTSP/SRT Input/Output	No	No
Managed by Kiloview Multiview	No	No
Voice Intercom	No	No
Server Redundant Backup	No	No
PTZ/TALLY/METADATA Support	Yes	Yes
NDI Discovery Server Support	Yes	Yes
API	Yes	Yes
NDI Decoding	Yes	Yes
Auto Switching by Poll list	No	Yes
NDI Relay	Yes	Yes

Multiview Pro

Multiview Pro is a multiview production system designed for centralized management, monitoring and professional switching system for multiple NDI streams. Simply select any of the NDI sources in your network, up to 20 NDI streams can be displayed in a single window for multi-screen/multi-window with any layout. NDI ONAIR System is compatible with various NDI and NDI|HX sources, both 4K and HD, and easily controlled with your smartphone, iPad or external control panel.

Highlights

User-defined layout
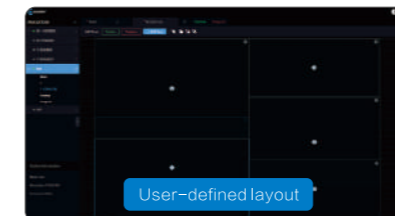
Self-defined resolutions, free layout, multi-windows and picture in picture design.

Multiview preview and decoding
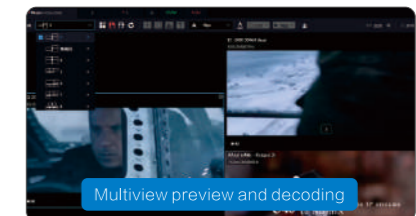
Up to 20CH sources decoding and preview simultaneously.

Onsite production system TALLY PVW/PGM
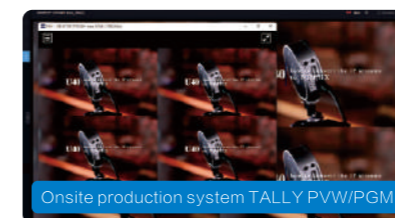
Support Tally, PVW/PGM switching, audio output modes optional, self-adaptive for main and sub streams.
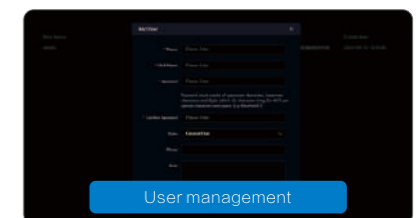
User management

User management for different users and production projects.

More Features

NDI Compatible with HD, 4K, NDI and NDI|HX

Support volume meter, safety area, central cross, Tally display

Support NDI grouping and searching

Adopt OpenGL technology for low CPU consumption

Note: Kiloview Multiview Player free version is available.

Multiview Pro Parameters

Model No.	Multiview Pro
NDI Compatibility	NDI, NDI|HX, HD/4K
Production	Support
Multi–Window Splitting Mode	Support
Picture–in–Picture Mode	Support
Multi–Window Playing	Support
Main and Sub Stream Self–adjustment	Support
Tally	Support
NDI Discovery Server	Support
Manually add NDI Sources	Support
Management	Web/KiloLink Server
OS	128GB

CUBE R1 Recorder System

CUBE R1 is an embedded device for multi-channel NDI video recording. The device is the hardware version of Kiloview NDI Recorder, which supports up to 9CH of NDI sources recording with 1/4/9 grids of previewing in synchronization. CUBE R1 also supports non-stop recording with its dual hot-swappable SSD slots. Both SFP and Ethernet connections allow for different network conditions.

NDI All NDI sources supported

5.5" touch screen for preview and settings

Physical buttons for quick operation

HDMI output for extended display

Redundant power supply

Rack Mountable

More Features

- Up to 9CH NDI sources recording
- Recording in synchronized status with 1/4/9 grids
- Non-stop recording with dual hot-swappable SSD slots
- Record in the fixed length / size
- Both SFP and ethernet connections allow for different network environments

CUBE R1 Parameters

Model No.	CUBE R1
Max CH of Recording	9
Max Input Resolution	4KP60
Output	1 × HDMI
USB Port	1 × Type-C port for USB expansion
LCD Screen	1080p resolution
Recording File Format	.mov
Chassis	Half of 2U
Network Ports	Dual 10G optical ports or 10G electrical port and 1G RJ45 network port
CPU	8 core 64-bit processor
RAM	12GB
Stream Type (preview)	Sub stream
Recording & Storage	2 × NVMe SSD
One-Click NTP Synchronization	Support
Free Layout	1/4/9
Management	Web/KiloLink Server
Power Supply/Operating Systems	Dual power supply: 220V AC / Linux

NDI Recorder Parameters（Software）

Parameter/Version		Trial	Full Version
Max CH of Recording	KILOVIEW Products	4	20
	Other Products	2	
Max 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		Yes	Yes
VU Meter		Yes	Yes
Preview		Yes	Yes
Trim Recording File Automatically		Yes	Yes
Free Layout		Yes	Yes
Bulk Clear		Yes	Yes
License Activation		Yes	Yes
Management		Web/KiloLink Server	Web/KiloLink Server
Operating System		Web/KiloLink Server	Web/KiloLink Server

Further software specifications, please check our website:
https://www.kiloview.com/en/ndi/kiloview-cube-r1-recorder-system/

Kiloview LinkDeck

Kiloview LinkDeck Series is the product set to centrally link and control all the Kiloview hardware and software. Link Deck is based on Web RTC technology which allows doing whatever you want.
Both presenting real-time high-quality content on Panel Deck and customizing user settings & display, LinkDeck helps to manage the whole Kiloview ecosystem including Multiview Pro, NDI CORE, KIS, NDI Recorder, NDI Encoder, NDI Decoder, Multiview Player and KiloLink Server.
By developing a 3rd-party plug-in based on Python, LinkDeck even allows interaction with systems like TriCaster and vMix.

Kiloview LinkDeck consists of five unique design decks including the Panel Deck, the Take Deck, the Zoom deck, the KIS Deck, and the PTZ Deck. Each deck can combinate freely to create an exclusive workbench with fully customized content. This unique design also offers Easy assembly and installation for your best user experiences.

Panel Deck

It equipps with a 10.1" touch screen and a bi-color LED keyboard for easy operation.Both soft keys and physical keys make everything under control. DC and PoE power work as the power source of all the other Decks. 7xUSB ports to connect other decks.

Take Deck

Take Deck helps you to switch like a pro with a "T" stick and dual LED displays. 12 buttons also give a huge pleasure while creating content, Switching / FTB / Recording / Live streaming / Lock screen with one single press, is the easiest way to operate.

PTZ Deck

PTZ Deck gives one-handed and comfortable control of all your PTZ cameras. The simple movement of the joystick and control knob is just the ideal way of taking control.

Zoom Deck

Simply zoom in/out whenever you want. It also has 11 soft buttons for all your personal customization.

KIS Deck

3 sets of Pro audio in/out: Mixer with cannon plug amplifier /USB microphone/ goose-neck microphone. Kis Deck can work independently via PoE port.

6

Kiloview Cradle Series

RU01/RU03 Rackmount Codec

The Kiloview Cradle Series include 1RU or 3RU rack-mounted frame, freely mixed with 4 channels (RU01),16 (RU03)/32 (RU03S) codec modules. It comes with redundant power modules, centralized heat dissipation, ensuring longtime stable operation, and benefits your IP video deployments of any size and complexity.

High Density

You may need to use multiple devices in a workflow, and sources may change over time or from day-to-day. With Cradle, you can design 4 encoding and decoding modules in a 1RU chassis, 16x or even 32x in a 3RU chassis to make them work perfectly in your environment. All inserted encoding and decoding modules support SDI/HDMI+3.5mm audio, and the decoding modules supports SDI/HDMI video output.

4 encoding decoding modules in 1RU chassis

16/32 encoding decoding modules in 3RU chassis

High Flexibility

No matter what video sources you have, SDI or HDMI for encoding or decoding with NDI or NDI|HX, the Cradle series is your ideal choice. 1RU/3RU is compatible with SDI and HDMI of both input and output; freely insert encoding and decoding modules in a chassis (Supported models refer to page 52).

High Reliability

Cradle is equipped with redundant power as standard, effectively preventing power failure. At the same time, dual cooling fans give Cradle intelligent temperature control for automatic heat dissipation, ensuring stable and 24h continuous operating. For convenient use, Cradle offers power indicator light and operation indicator light to monitor working status.

Compatible Encoding Cards

Encoding Card	RE-1 v2	RE-2	REN-1	REN-2	RE-100	REN-100
Video Interface	1×BNC SDI	1×HDMI	1×BNC SDI	1×HDMI	2×BNC SDI	2×BNC SDI
Video Loop	1×BNC SDI	1×HDMI	1×BNC SDI	1×HDMI	2×BNC SDI	2×BNC SDI
NDI|HX	N/A	N/A	NDI|HX 1.0 and 2.0	NDI|HX 1.0 and 2.0	N/A	NDI|HX 1.0 and 2.0
Video Encoding	H.264/AVC, Motion-JPEG					
Audio Interface	1×3.5mm Line in				N/A	N/A
Audio Encoding	AAC/G.711					
Network	Ethernet					
Image/Text Overlay	Custom defined text and picture overlay supported, which can be set to any position on the screen					
Video Rotate/Crop	Supported					
Resolution	Up to 1080p60Hz					
Protocols Supported	SRT/RTMP/ RTMPS/HLS/TS over UDP/RTP/RTSP /Onvif					
Management	Web					
Applicable Frame	RU01/RU03/RU03S				RU03S	RU03S

Compatible Decoding Cards

Decoding Card	RD-260	RD-350	RMG-300 v2
Video output	1xSDI and 1xHDMI	1×3G- SDI+1×HDMI	1×3G- SDI+1×HDMI
Network	1×100M/1000M RJ-45	2×100M/1000M RJ-45	2×100M/1000M RJ-45
Video Decoding	H.265/H.264	H.265/H.264	H.265/H.264
Decoding Capability	Up to 4 channels decoding(4×1080P30 or 2×1080P60 and below)	Up to 9 channels decoding (9×1080P30 or 8×1080P60)	Up to 9 channels decoding (9×1080P30 or 8×1080P60)
Protocols Supported	NDI|HX2.0, NDI|HX3.0, SRT, RTMP, RTMPS, HLS, TS over UDP, RTP and RTSP	NDI, NDI|HX2.0, NDI|HX3.0, SRT, RTMP, RTMPS, HLS, TS over UDP, RTP and RTSP	NDI, NDI|HX2.0, NDI|HX3.0, SRT, RTMP, RTMPS, HLS, TS over UDP, RTP and RTSP
Protocol Conversion Capability	N/A		9 CH 1080P video conversion simultaneously
Audio Decoding	AAC/G.711		
Audio Output	SDI/HDMI Embedded, or 3.5mm Analog Output		
Video Preview	Supported		
Image/Text Overlay	Supported		
Management	Web		
Applicable Frame	RU01/RU03/RU03S		

RN-40

RN-3

Compatible NDI Cards

NDI Card	RN-40	RN-3
Video output	4K HDMI IN/OUT	3G SDI IN/OUT
Network	1×100M/1000M RJ-45	
Video Decoding/ Encoding	H.265/H.264	
Decoding /Encoding Capability	Up to 1 channels decoding or encoding	
Protocols Supported	NDI|HX2.0	
Protocol Conversion Capability	N/A	
Audio Decoding/Encoding	AAC/G.711	
Audio Output	SDI/HDMI Embedded, or 3.5mm Analog Output	
Video Preview	Supported	
Image/Text Overlay	Supported	
Management	Web	
Applicable Frame	RU01/RU03/RU03S	

7

Mg300v2
Embedded Multi-Functional
Media Gateway MG300 V2

Mult-channel video decoding and splitting

Video protocol conversion

KILOVIEW

MEDIA GATEWAY MG300

Applications

⊙ Live streaming video from LAN RTSP/Onvif monitoring or other IP-Cameras.
⊙ Converting general protocols such as SRT,UDP,RTSP, RTMP,HLS,NDI|HX.
⊙ Single SRT/RTMP stream distribution.
⊙ Dual Ethernet ports for Internal card external video transmission

Scenic spot live streaming   Campus monitoring to the public security network
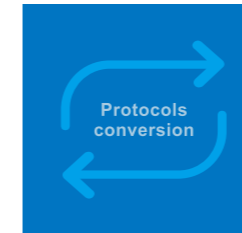
Restaurants monitoring live streaming   Streaming after video splitting

Main Functions

Protocols conversion
⊙ Mutual conversion of RTP/RTSP, TS over UDP, SRT, RTMP, HLS(m3u8), SIP(custom), Onvif and other software-based extensible protocols.
⊙ Up to 9 CH streams for protocol conversion, and each stream can be converted into 4 different (or the same) target output.

Protocols conversion
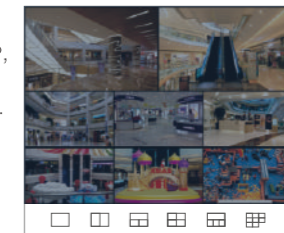
Multiple channel decoding and split screen display
⊙ 9-CH 1080P30 video decoding, split display, and dynamic switching simultaneously.
⊙ H.264/H.265 UHD (4K)/HD video decoding.

Multi-Channel streams distribution
⊙ 50CH RTSP,36CH RTMP/SRT distribution, just worked as distributed live streaming server, suitable for courseware/conference/program/digital sign and other live streaming occasions.
(Note: The actual number of concurrency depends on the specific network bandwidth, video format, etc.)

100+

USB options
⊙ USB for intercom
⊙ USB for PTZ control

Parameters

Model No.	MG300 v2
Streaming input/output	2×100M/1000M RJ 45 Ethernet
Decoding output	1×SD/HD/3G-SDI,up to 1080P 60Hz;1×HDMI up to 3840×2160@60Hz
Analog audio output	1×3.5mm Line out
USB	1×USB 3.0 Type-A
Access protocols	NDI|HX2.0, NDI|HX3.0, SRT, RTMP, RTMPS, HLS, TS over UDP, RTP and RTSP
Output protocols	NDI|HX, SRT, RTSP, RTMP, TS-UDP
Protocol conversion capability	9 CH 1080p30 video conversion simultaneously
Streaming distribution capability	50 channels of RTSP, 36 channels of RTMP/SRT (Not more than 800Mbps)
Live streaming capability	9 CH×4CH 1080p
Channels of decoding	4K 30Hz H.264/H.265: up to 4 channels simultaneously 1080P 50Hz/60Hz H.264/H.265: up to 9 CH simultaneously
Video decoding	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, 1080i60/50, 720p60/50 and compatible with VESA standard format
Video bitrate	128Kbps ~ 40Mbps
Audio decoding	AAC/G.711 (aLaw/uLaw)
Audio bitrate	AAC: 8Kbps ~ 320Kbps G.711: 64Kbps
Decoding latency	≤200ms
Split display style	1/2/4/6/9 splitting; Re-encoding and streaming of 1-channel multi-screen split video and the image supports up to 1080P60 H.264 encoding
Management interface	Web-based user interface for configuration and upgrading
Power/power consumption	12V/1A ≤6W
Dimension/Weight	162.85×104.00×25.00mm
Operating temperature	-20℃~60℃

8

KiloLink Server &Kiloview Intercom System

Centralized Kiloview product management platform
& Kiloview Intercom Server

KiloLink Server Centralized Management Platform

KiloLink Server is a centralized product management platform allowing users to manage all Kiloview devices. You can monitor devices status, video preview, audio video information, IP address, network condition and streaming types in real time.
Under maintenance mode, users can do batch processing to all the connected devices including upgrade, reset and restart to manage each Kiloview encoders/decoders.

ENCODER · DECODER · IO

Maintenance mode

Device Info.

N40 · N40-21162410189
43.29-N40

Firmware

Add Stream Service

KiloLink Server
Centralized Management Platform

Real-time monitoring

Monitor devices statues, video preview, audio video information, IP address, network condition, protocols in real time.

Batch processing

Under maintenance mode, user can do batch processing to all the connected devices including upgrade, reset and restart to manage each Kiloview encoders/decoders.
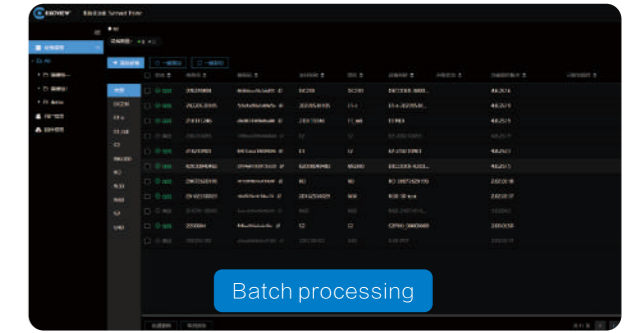

Remote configuration

Log in KiloLink Server simply with browsers for relevant configurations, no need to access each device's Webpage.
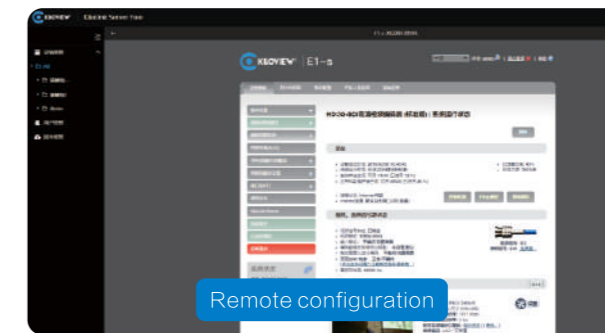
KiloLink Server is a centralized Kiloview product management platform based on Kilolink, the patented technology of Kiloview. It optimizes the process of IP-based video transmission to manage and aggregate all Kiloview devices. KiloLink Server allows users do batch processing to all the connected devices including upgrade, reset and restart. With detailed management modules, you can manage group of devices or a specific device if you need. Also, you can control the system permission of each user group and a specific user with a super admin account. All these features make the control of each Kiloview encoders/decoders easy and accurate.

Parameters

Parameters/Product Type	KiloLink Server	KiloLink Server Pro
Max Number of Management	32	Unlimited
Streaming Media Service	NO	Support
User/Group Management	YES	YES
System Permission Management	YES	YES
Firmware Upgrade	YES	YES
Organizational Management	YES	YES
OS	Linux	Linux
Service Life	Permanent free	Pay for Authorization

Kiloview Intercom Server Pro (software version)

Kiloview Intercom Server Pro (KIS Pro) is a multi-channel communication software that is accessible via all Kiloview products and browsers through PC/mobile. KIS Pro adopts the mature Web RTC method to realize the function of multi-channel communication, supports up to 32 terminals to join, and supports multi-channel communication in LAN or across the Internet.

Multi-channel Communication	On-premise and Cloud-based Deployment	Centralized Management
Up to 32 terminals to join in the communications	On-premise and cloud-based deployment, multi-channel communication in LAN or across the Internet.	More flexible management and centralized control all the terminals.

Multiple Terminals Access	Patented Technology	SRTP Encryption
Join the communication with mobile/PC/Ipad, simply through browsers, anywhere any time.	Patented with mixer technology and no need for a high-performance server.	SRTP encryption AV encoding and decoding format to keep communication contents confidential.

Kiloview Intercom Server Parameters

Model No.	Kiloview Intercom Server Pro	
Version	Trial Version	Full Version
Max CH of Terminals	No Limit	No Limit
Max Sampling Rate	8KHz	8KHz
Audio Tracks Mode	Mono	Mono
Encoding Format	G.711	G.711
Intercom Function	Support	Support
One-Click On/Off of the Mic	Support	Support
Multi-Language Switching	Support	Support
User Management	Support	Support
Device Management	Support	Support
API	Support	Support
Management	Web/KiloLink Server	Web/KiloLink Server
OS	Linux OS	Linux OS
Service Life	30 Days	Depending on Authorization
Deployment Method	Support on-premise & cloud deployment. You can also choose Kiloview intercom hardware.	

KIS Deck

Just Listen!

KIS Deck is a member of the LinkDeck series. It can combine with other decks or work independently with its own PoE port.
KIS Deck offers 3 sets of pro audio in/out: Mixer with cannon plug amplifier, USB microphone and a goose-neck microphone. This deck is all you want about the audio intercom.

With both Kiloview Intercom Server and KIS Deck to meet the communication needs of the program production site, it can also be conveniently connected to the 4G call terminal.

9 SDI Converters

Broadcast Grade Image Quality,Frequency Conversion Supported

High Quality & 7×24h Stable Operation

Support mutual conversion between SDI and SDI/HDMI/VGA/CVBS to meet multi-scene applications. (Conversion between SDI and NDI can be customized)

CV180/CV190/C1 Mini
HD SDI Converters

HDMI&VGA&CVBS to 3G-SDI
Smart **CONVERTER**

120X100X26mm

☑ Convert between SDI and SDI/HDMI/VGA/CVBS
☑ Frame rate conversion, supporting professional processing such as up-down conversion and de-interlacing
☑ Support 1 input and 2 output modes

3G-SDI to **HDMI**
C1 MINI CONVERTER

46X96X23mm

CV180: Convert SDI to SDI/HDMI/VGA/CVBS, supporting frequency conversion
CV190: Convert HDMI/VGA/CVBS to SDI, supporting frequency conversion
C1 MINI: Convert SDI to HDMI

Highlights

- YUV4:2:2 10Bit conversion without color distortion.
- Professional color adjustment, 3D noise reduction, interlace/progressive video conversion, video scaling up/down and framerate conversion etc., which can guarantee the professional image conversion quality.
- Support blue screen warning of signal loss.
- CV180 supports analog audio output independently, CV190 supports analog audio embedded input to SDI signal.

Converters Parameters

Model No.	CV180	CV190	C1 Mini
Input	3G-SDI	HDMI/VGA/AV(CVBS)	3G-SDI
Output	2-CH of SDI/HDMI/VGA/AV(CVBS)	3G-SDI, Max 2 channels at a time	HDMI
Loop	3G-SDI	/	/
Network	/	/	/
Analog audio input/output	Analog audio output independently	Analog audio embedded to SDI signal	/
Max Resolution	1080 P60	1080 P60	1080 P60
Resolution conversion	Support	Support	/
Operating temperature	−20℃~60℃	−20℃~60℃	−20℃~60℃
Power	12V, 1A	12V, 1A	5~16V
Dimension	120×100×26mm	120×100×26mm	46×96×23mm