KILOVIEW Electronics CO., LTD.

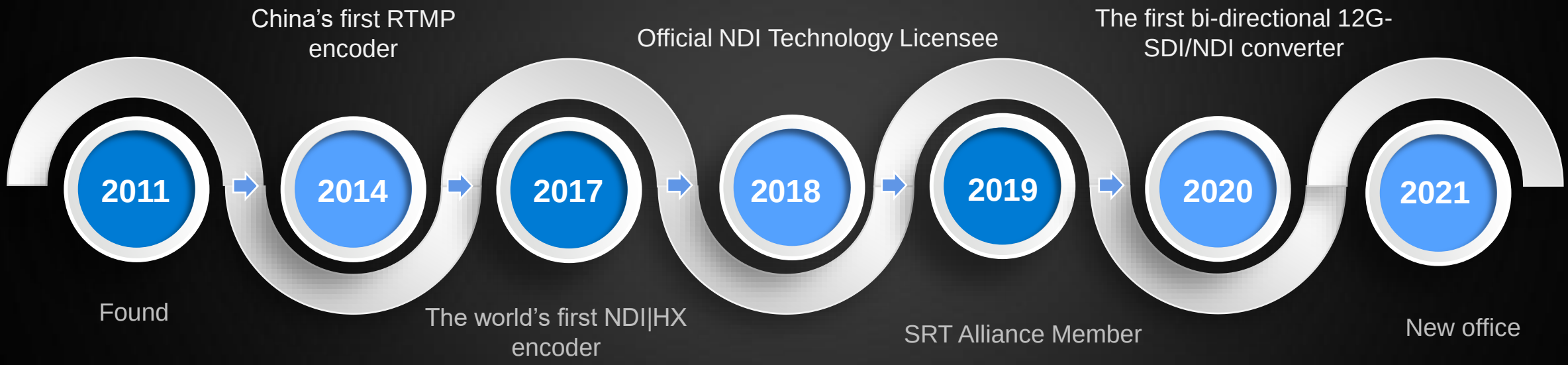
Leading innovator and solution provider of IP-based transmission

Content

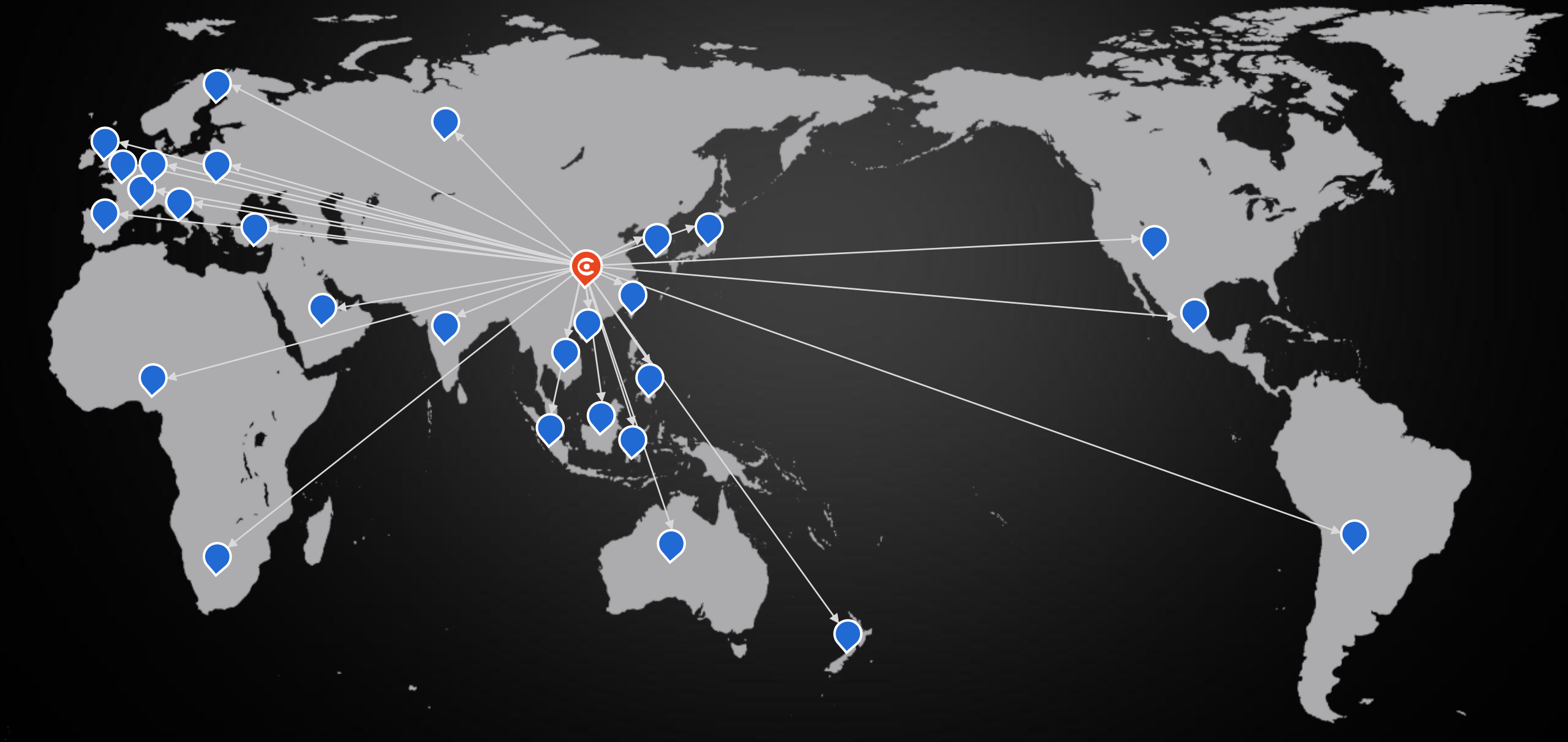
Company Introduction

Products Information

Q & A

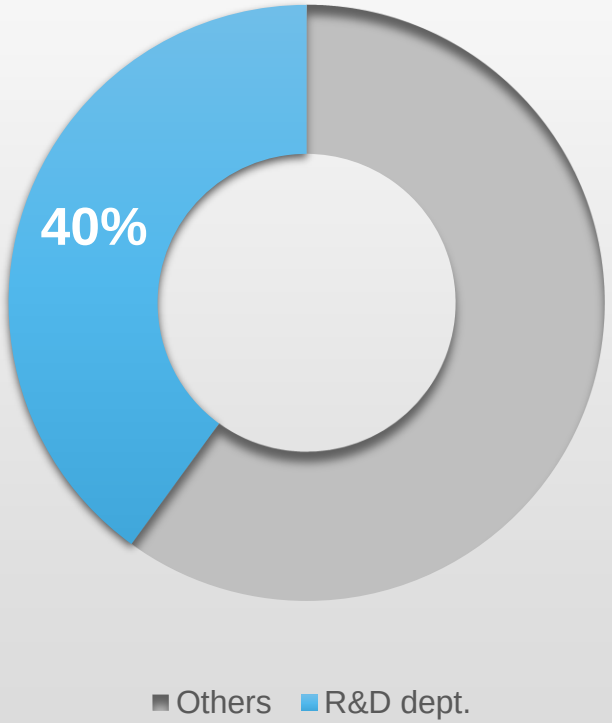

2011
Found
2014
China’s first RTMP encoder
2017
The world’s first NDI|HX encoder
2018
Official NDI Technology Licensee
2019
SRT Alliance Member
2020
The first bi-directional 12G-SDI/NDI converter
2021
New office

Sales Network Covering 100+ Countries

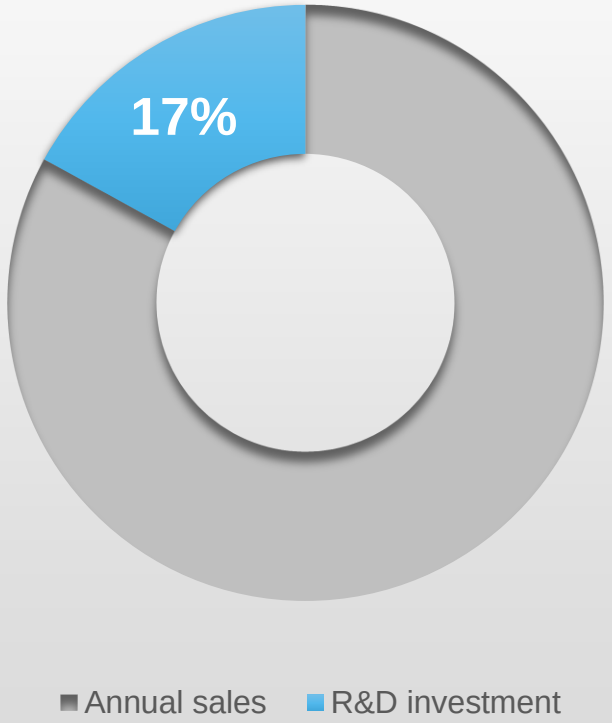


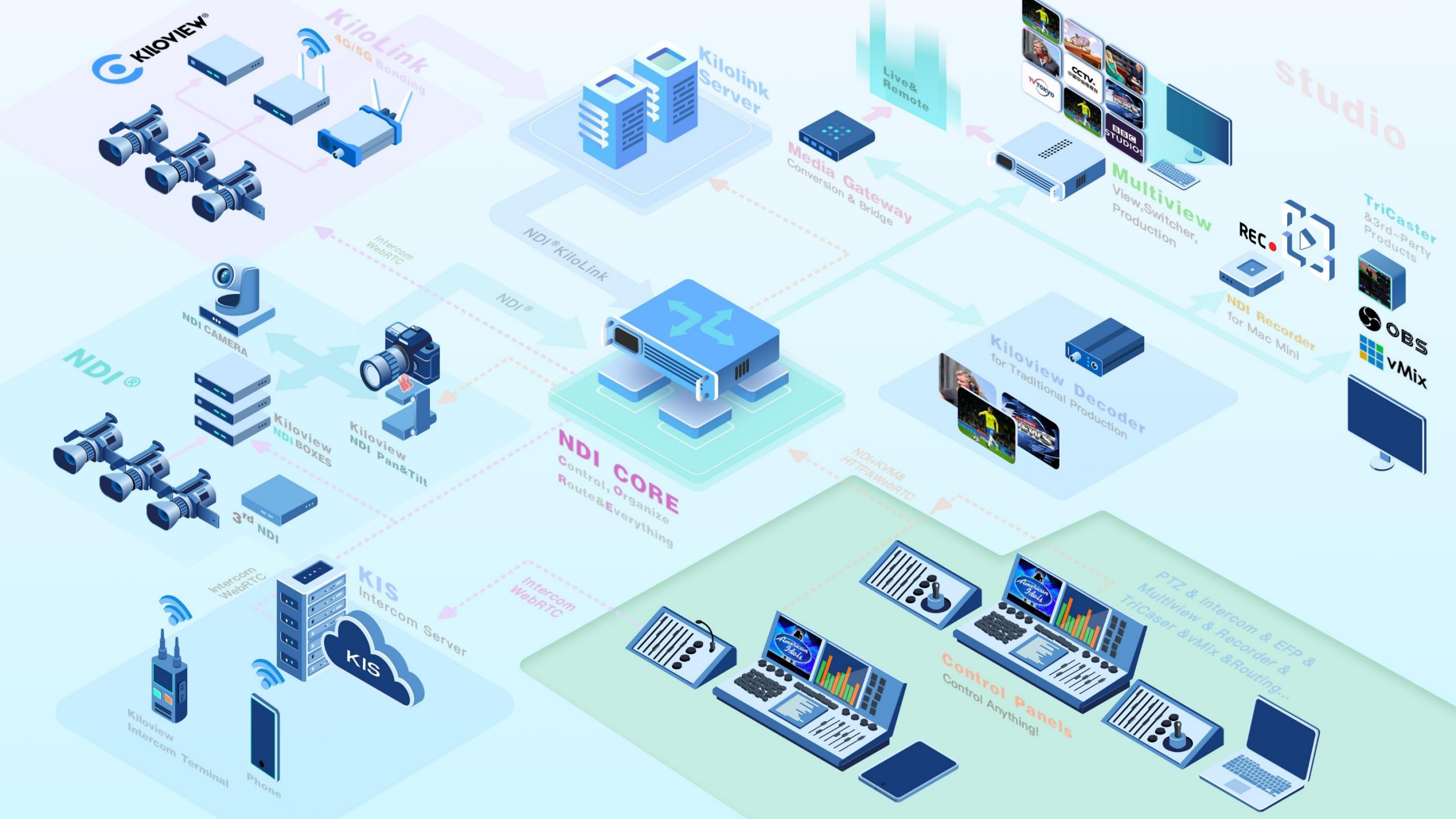
Strong R&D Capability

Employees in R&D



Annual sales investment into R&D




KILOVIEW
KiloLink
4G/5G Bonding
Kilolink Server
Live& Remote
Media Gateway
Conversion & Bridge
Studio
Multiview
View,Switcher, Production
REC.
NDI Recorder
for Mac Mini
TriCaster
&3rd-Party Products
OBS
vMix
Intercom WebRTC
NDI® KiloLink
NDI®
NDI CAMERA
NDI ®
Kiloview NDI BOXES
Kiloview NDI Pan&Tilt
3rd NDI
NDI CORE
Control, Organize
Route&Everything
Kiloview Decoder
for Traditional Production
NDI-KVM&
HTTP&WebRTC
KIS
Intercom Server
KIS
Kiloview Intercom Terminal
Phone
Control Panels
Control Anything!
PTZ & Intercom & EFP & Multiview & Recorder & TriCaser &vMix &Routing...

Why Kiloview?

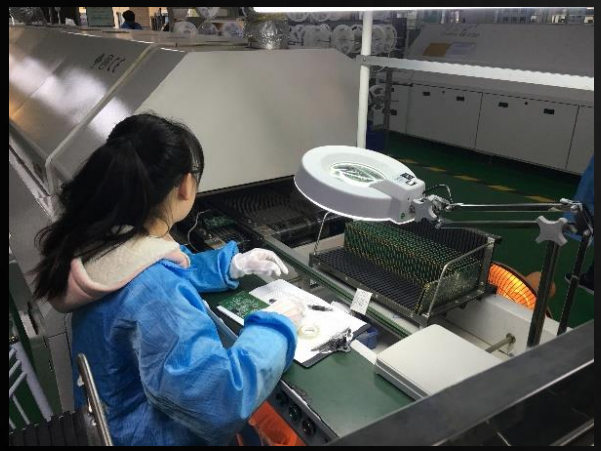
Professional
（Multi-Functional ）

Reliable
（7*24H Available）

Flexible
（All Protocols All Interfaces）

Considerate
（Fast support）

Why Kiloview?



We design, we develop, we manufacture!

The most affordable, reliable, and versatile IP-based video solutions for AV industry.

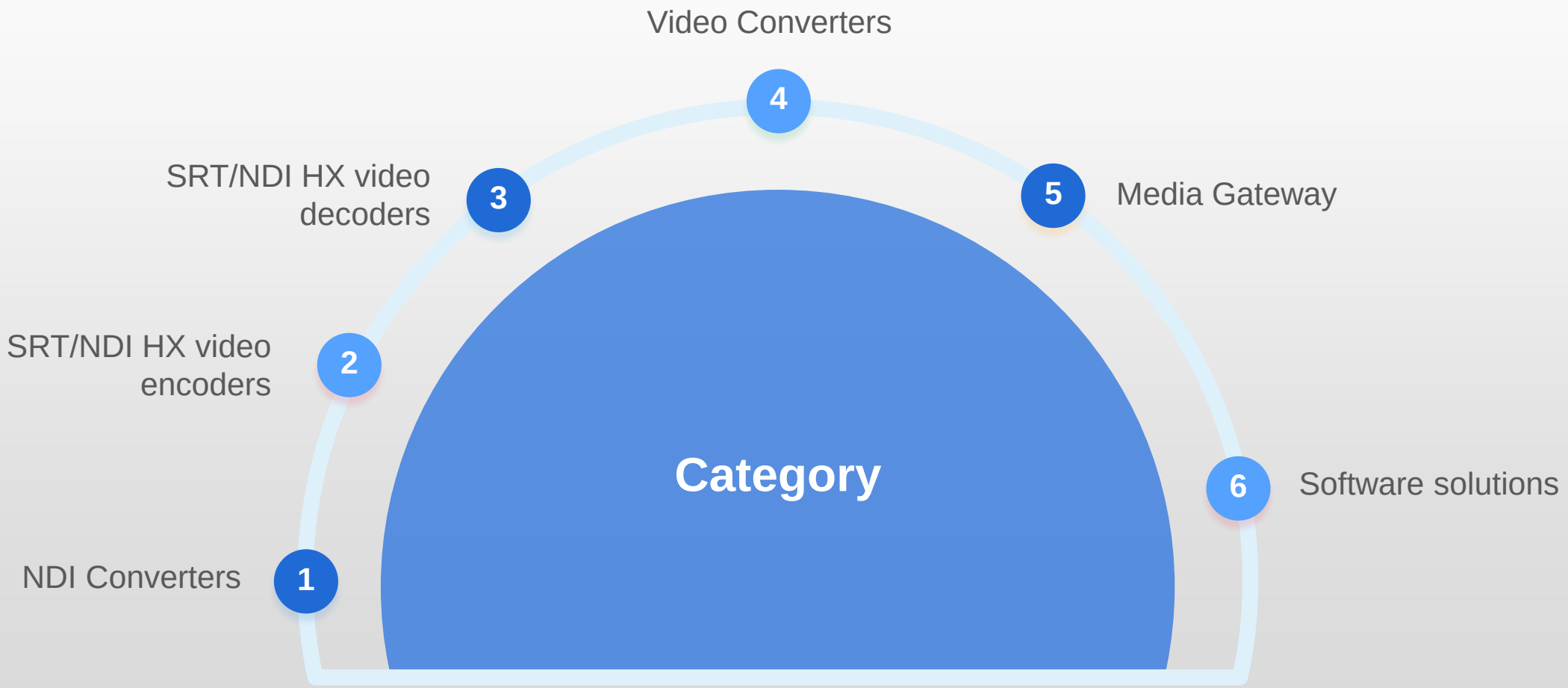
Intellectual Properties

10+ Patents
20+ Software Copyrights

Why Kiloview?

Our partners

Products Information



NDI Converter Series---Easy Access to NDI World

NDI · NDI|HX – Choose whatever you need

Cable Free

Auto Discovery

Low latency

High Image Quality

Bi-Directional Full NDI Converter

-----The most reliable NDI Converter in the world!

Model: N3

Input: 3G-SDI

Loop: 3G-SDI

Output: 3G-SDI

Model: N30

Input： 12G-SDI

Loop： 12G-SDI

Output: 12G-SDI

Model: N4

Input: 1080P60 HDMI

Loop: 1080P60 HDMI

Output: 1080P60 HDMI

Model: N40

Input： 4KP60 HDMI

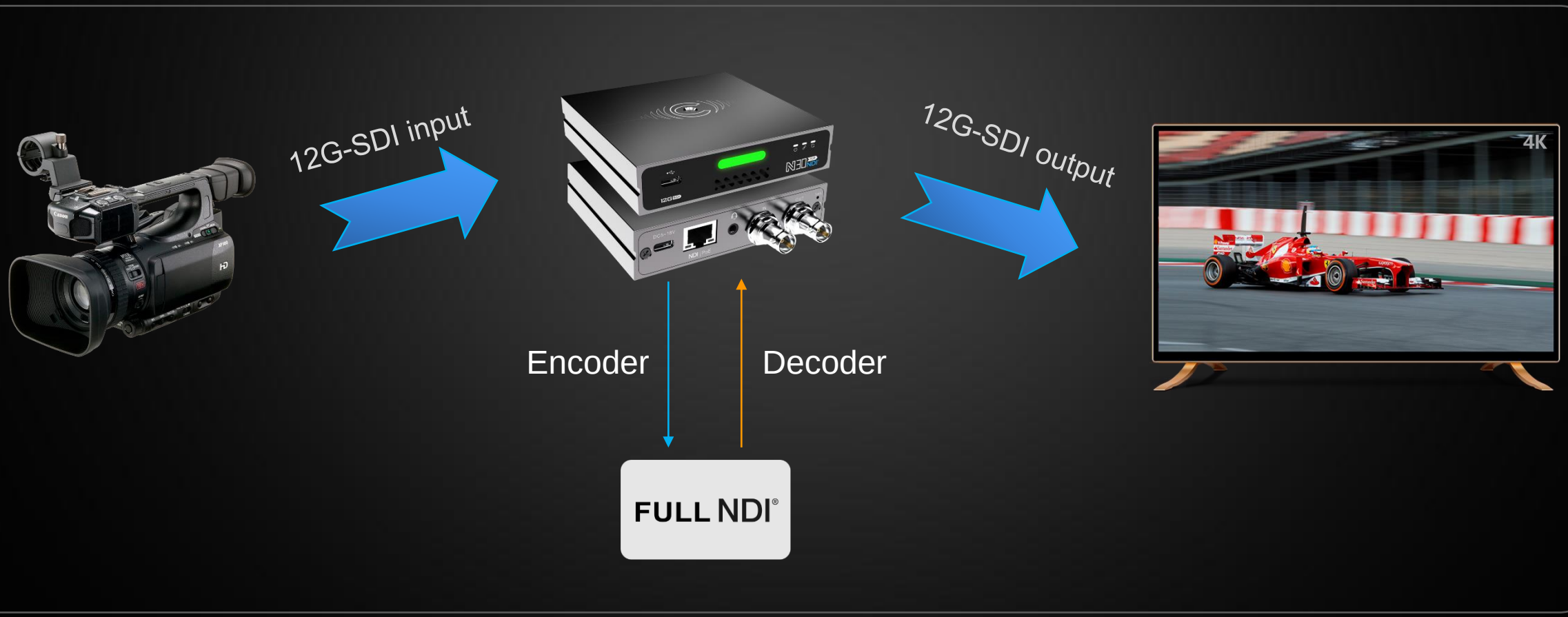
Loop： 4KP60 HDMI

Output： 4KP60 HDMI

The World's First 12G-SDI NDI Bi-directional Converter

- Big-size Tally for PGM and PVW
- 5-18V Wide range power supply
- Power over Ethernet (POE)
- 3.5mm Audio Line in/out
- 12G-SDI/FULL NDI with loop/output
  Broadcast Grade Application

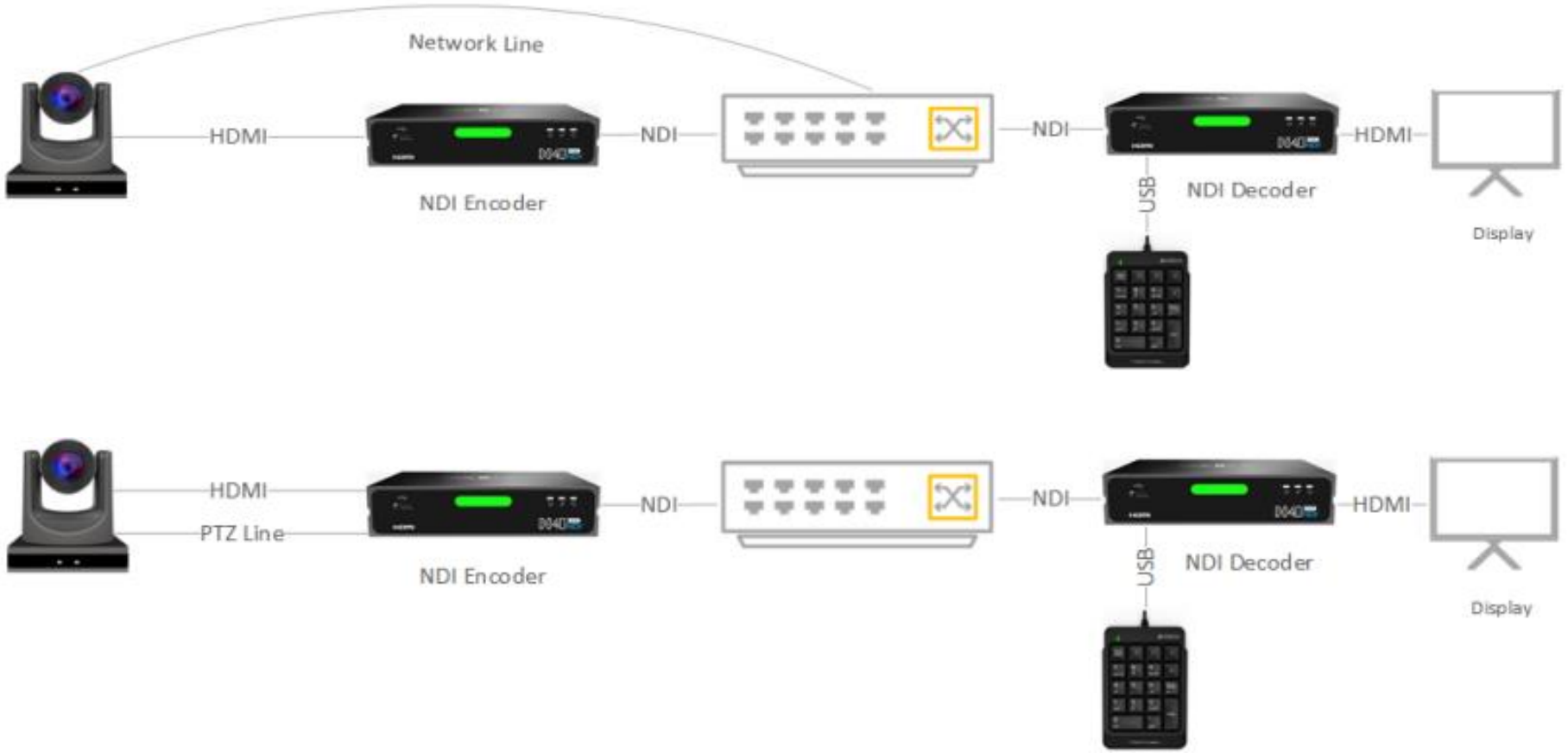
It’s a NDI encoder, it’s also a NDI decoder!



Expansion control, it’s so easy!

PTZ control over IP and serial by USB expansion

USB Keypad for seamless switching.



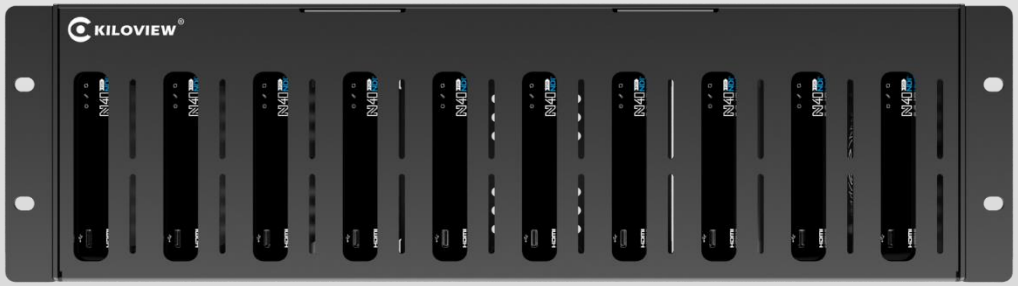
Mount it as you wish!

Cold-shoe mounting

Rack-mount type: RN01-4 CH, RN03-10 CH

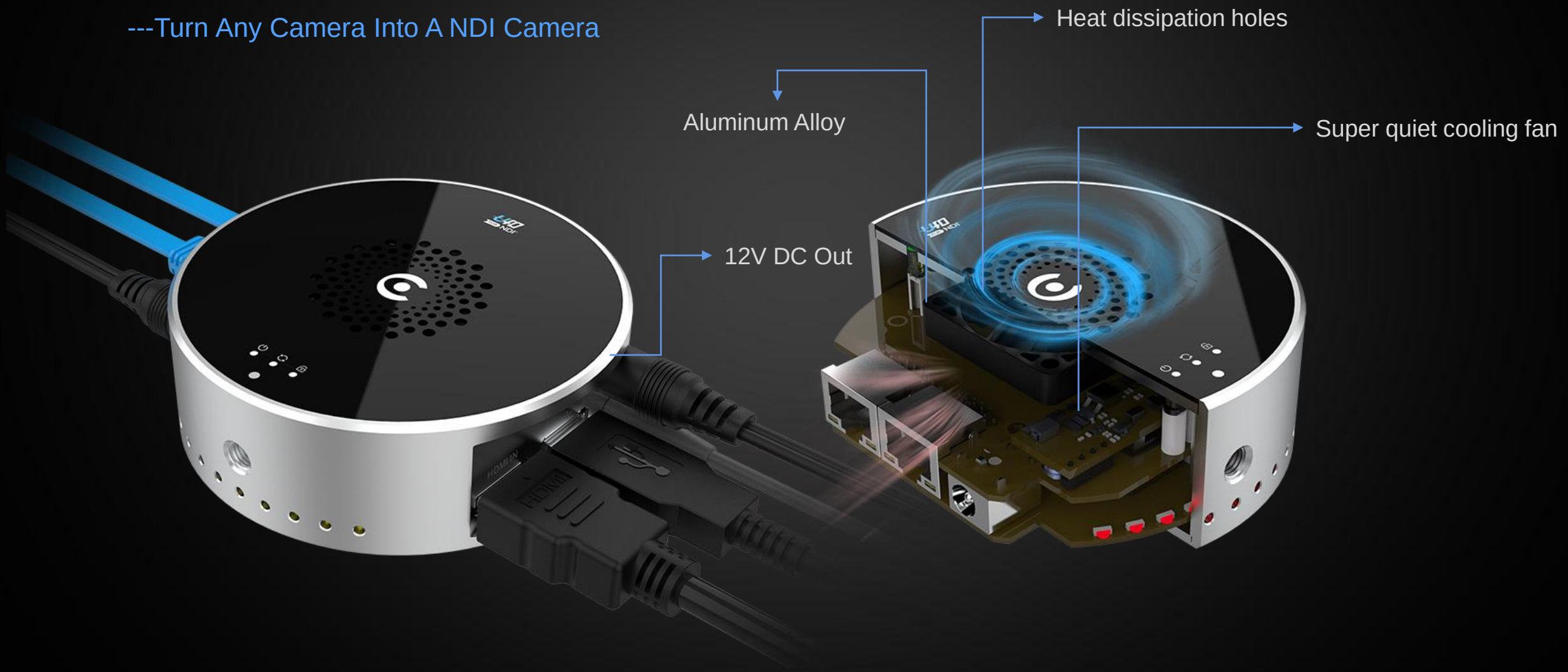
RN01: 1RU rack can fit 4 pcs

RN03: 3RU rack can fit 10 pcs



U40 4K UHD HDMI to NDI Encoder

---Turn Any Camera Into A NDI Camera

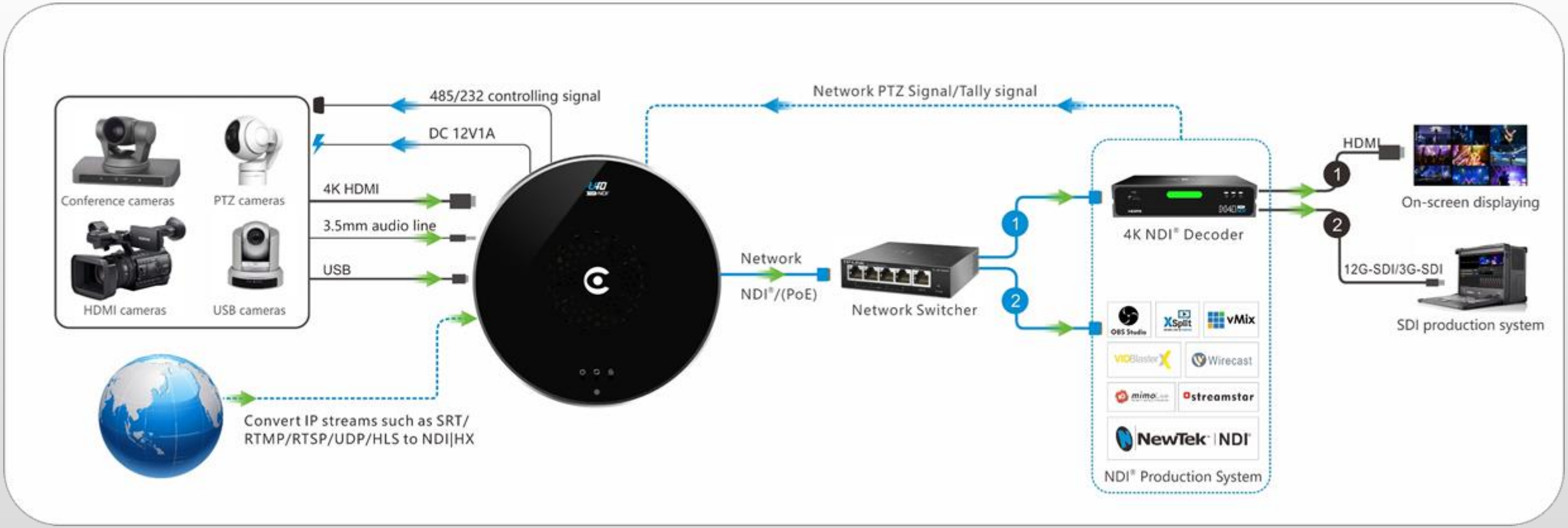


U40---Streaming Tool Swiss Army Knife

Dual network port for data transferring

HDMI2.0 (up to 4KP60) or USB to NDI

U40---Streaming Tool Swiss Army Knife



U40---Streaming Tool Swiss Army Knife

Threaded installation

Bracket installation

H.264 SRT+NDI|HX Encoder

NDI|HX OBS Studio XSplit vMix Adobe VIDBlasterX Wirecast mimoLive streamstar NewTek NDI

Model: N1

Input: 3G-SDI*1

Loop: 3G-SDI

Connection: WiFi/4G/Ethernet by USB

Output:NDI|HX/RTSP/ RTMP/TS-UDP/SRT/HLS…

Model: N2

Input: 1*HDMI

Loop: 1*HDMI

Connection: WiFi/4G/Ethernet by USB

Output: NDI|HX/RTSP/ RTMP/TS-UDP/SRT/HLS…

Model: E1 NDI

Input: 1*3G-SDI

Loop: 1*3G-SDI

Connection: 1*RJ45 Ethernet

Output: NDI|HX/RTSP/ RTMP/TS-UDP/SRT/HLS…

Model: E2 NDI

Input: 1*HDMI

Loop: 1*HDMI

Connection: 1*RJ45 Ethernet

Output: NDI|HX/RTSP/ RTMP/TS-UDP/SRT/HLS…

4K HDMI H.265 Video Encoders- S2

- **Real 4K Input**
- **HEVC**
- **Lower Bandwidth**
- **High Bitrate**

S2 4K Video Encoder

NDI|HX Supported

HD H.264 Video Encoders

Model: E1/E2

Input：3G-SDI/HDMI

Loop: 3G-SDI /HDMI

Connection: 1*RJ45 Ethernet

Output: RTSP/RTMP/TS-UDP/SRT/HLS…

Model: G1/G2

Input：3G-SDI/HDMI

Loop: 3G-SDI /HDMI

Connection: 1*RJ45 Ethernet/ WiFi/ 4G

Output: RTSP/RTMP/TS-UDP/SRT/HLS…

Model: M2

Input: HDMI/VGA

Loop: /

Connection: 1*RJ45 Ethernet

Output: RTSP/RTMP/TS-UDP/SRT/HLS…

Model: P1/P2

Input：SDI/HDMI

Loop: /

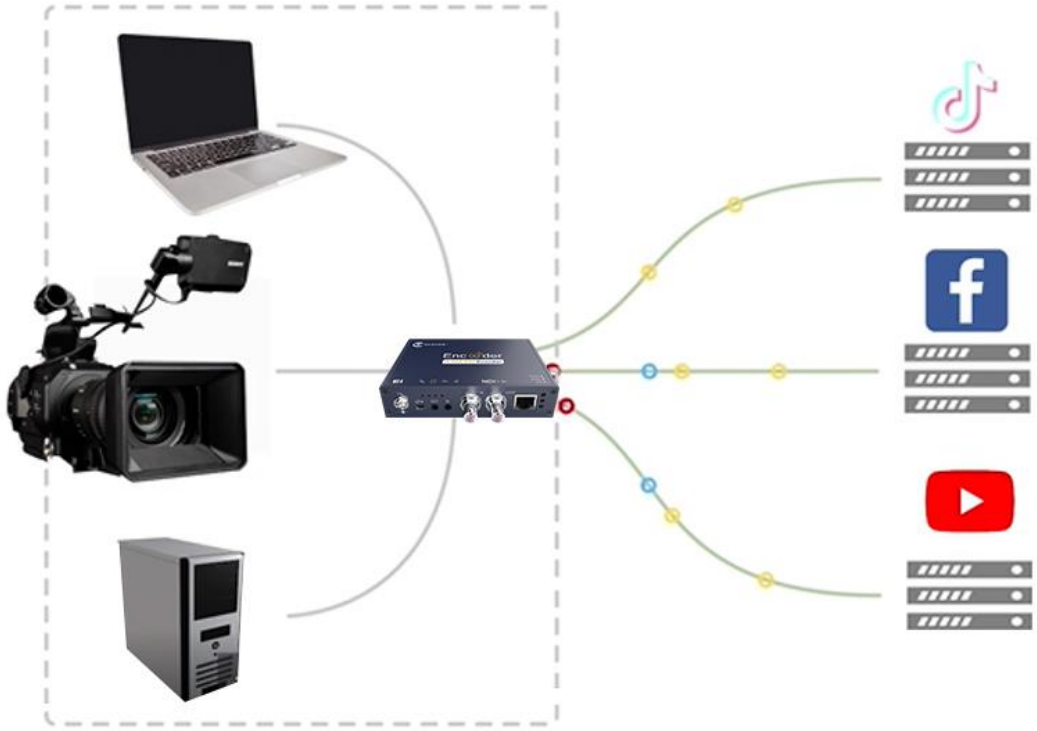
Connection: WiFi/4G/Ethernet by USB

Output: RTSP/RTMP/TS-UDP/SRT/HLS…

The Most Versatile and Cost-Effective Streaming Encoders

1. Multi-platform video streaming- up to 16 platform (8 main stream + 8 sub stream);

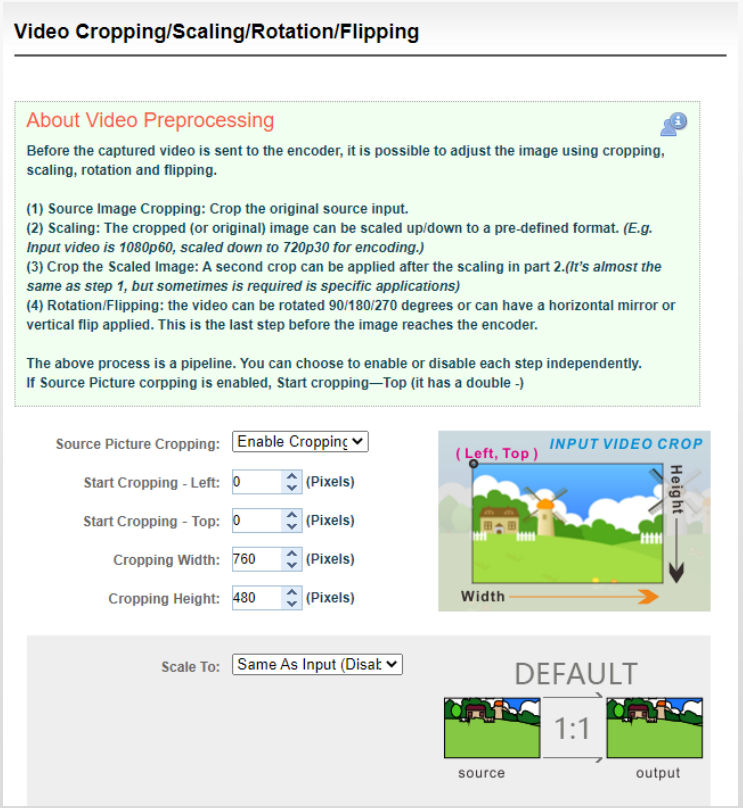
2. RTMP/RTMPS/RTSP/TS-UDP/HLS/SRT/NDI|HX (limited models) supported, all at the same time!

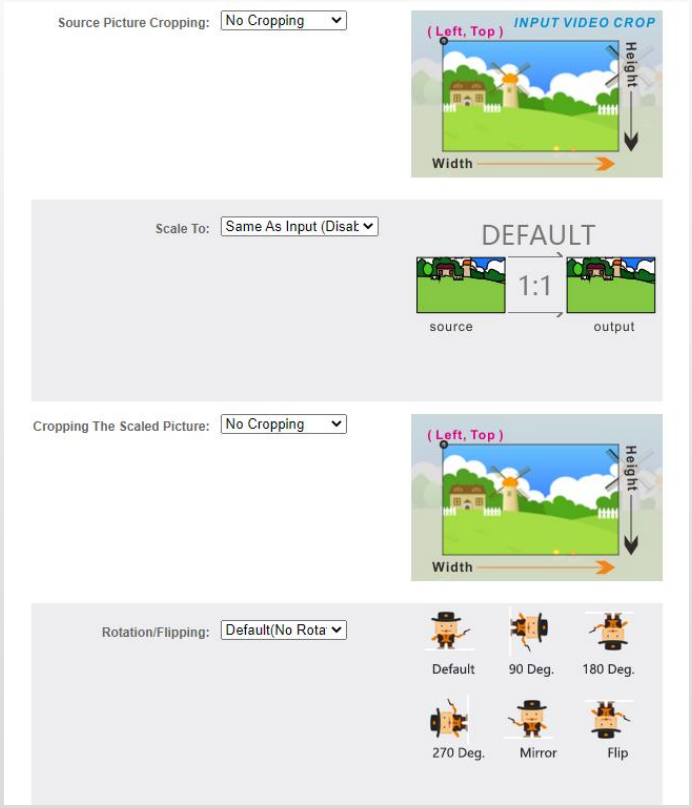


It’s professional and multi-functional!

3. It’s also a recorder!
--SD/TF/USB/NAS Supported

4. Social media friendly with rotating/ central cropping function
-- Suitable for both Vertical/Horizontal video streaming

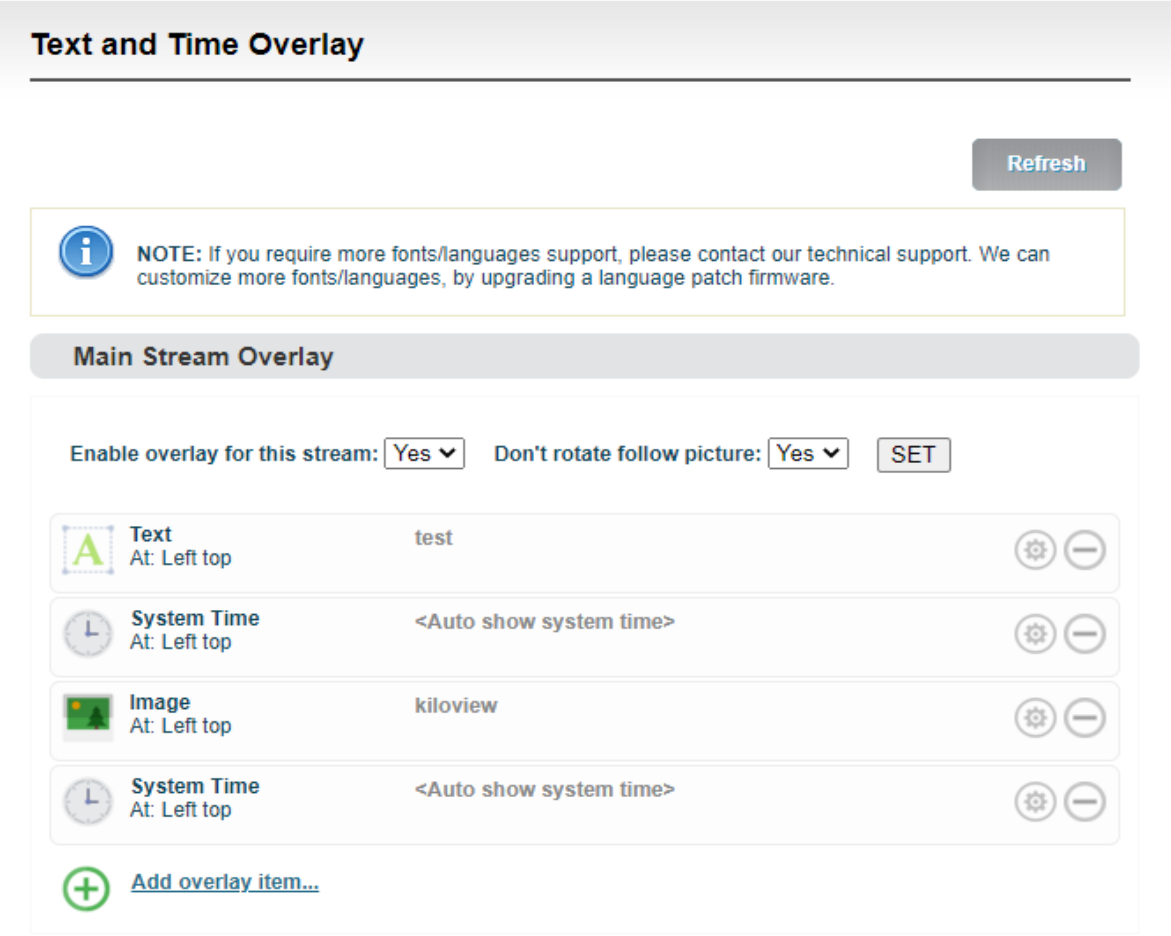




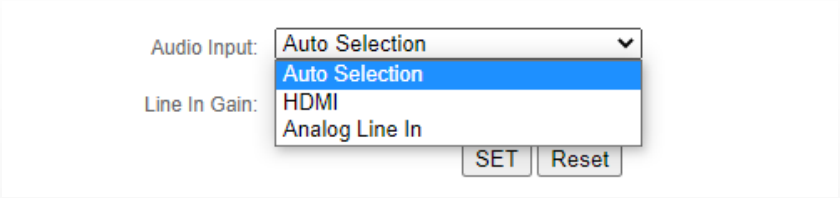
It's so flexible!

5. Customize your own overlay

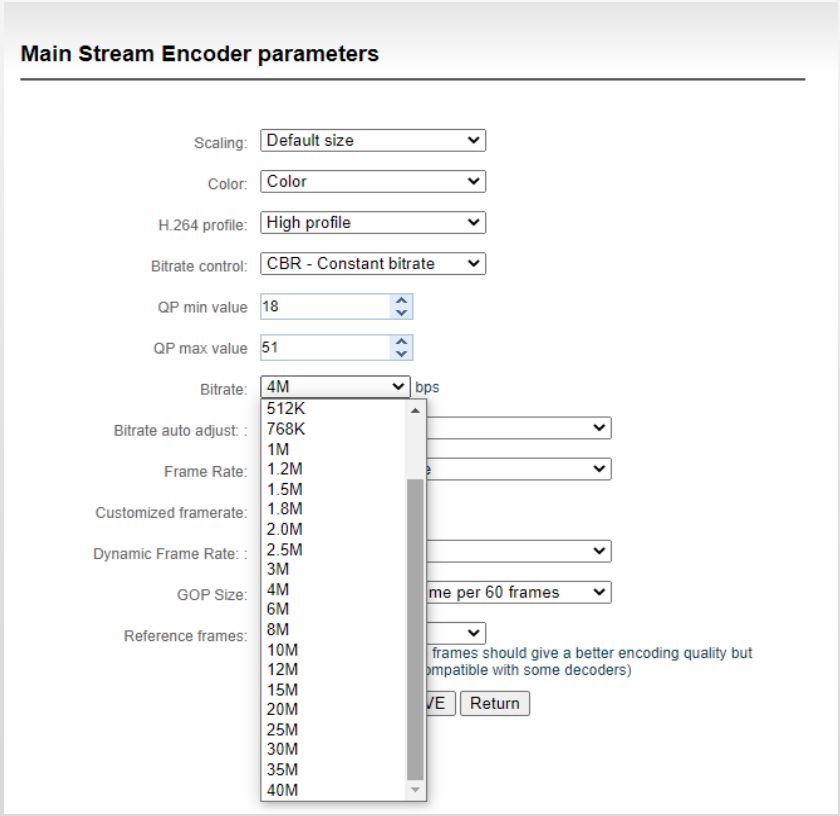
Text · Time · Background · Logo



6. Embedded & Analog Audio Supported



7. Adjustable Bitrate from 64Kbps to 40Mbps



P series 4G-LTE bonding encoder --- Free deployment and affordable

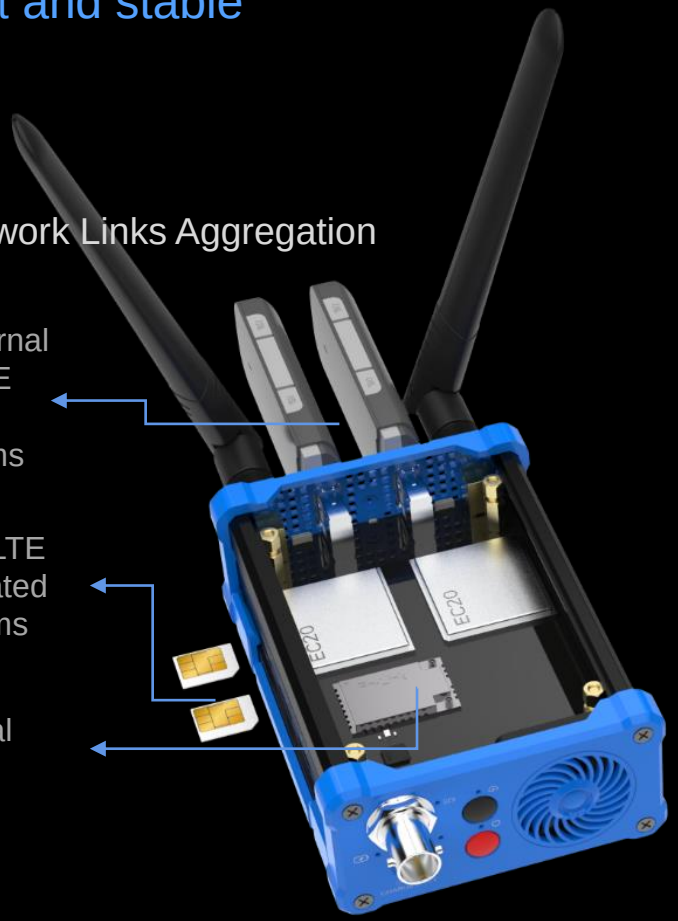
1. Fast and stable

5 Network Links Aggregation

2*External 4G-LTE USB Modems

2*4G-LTE Integrated Modems

Internal Wifi



WiFi sharing hotspot to Internet

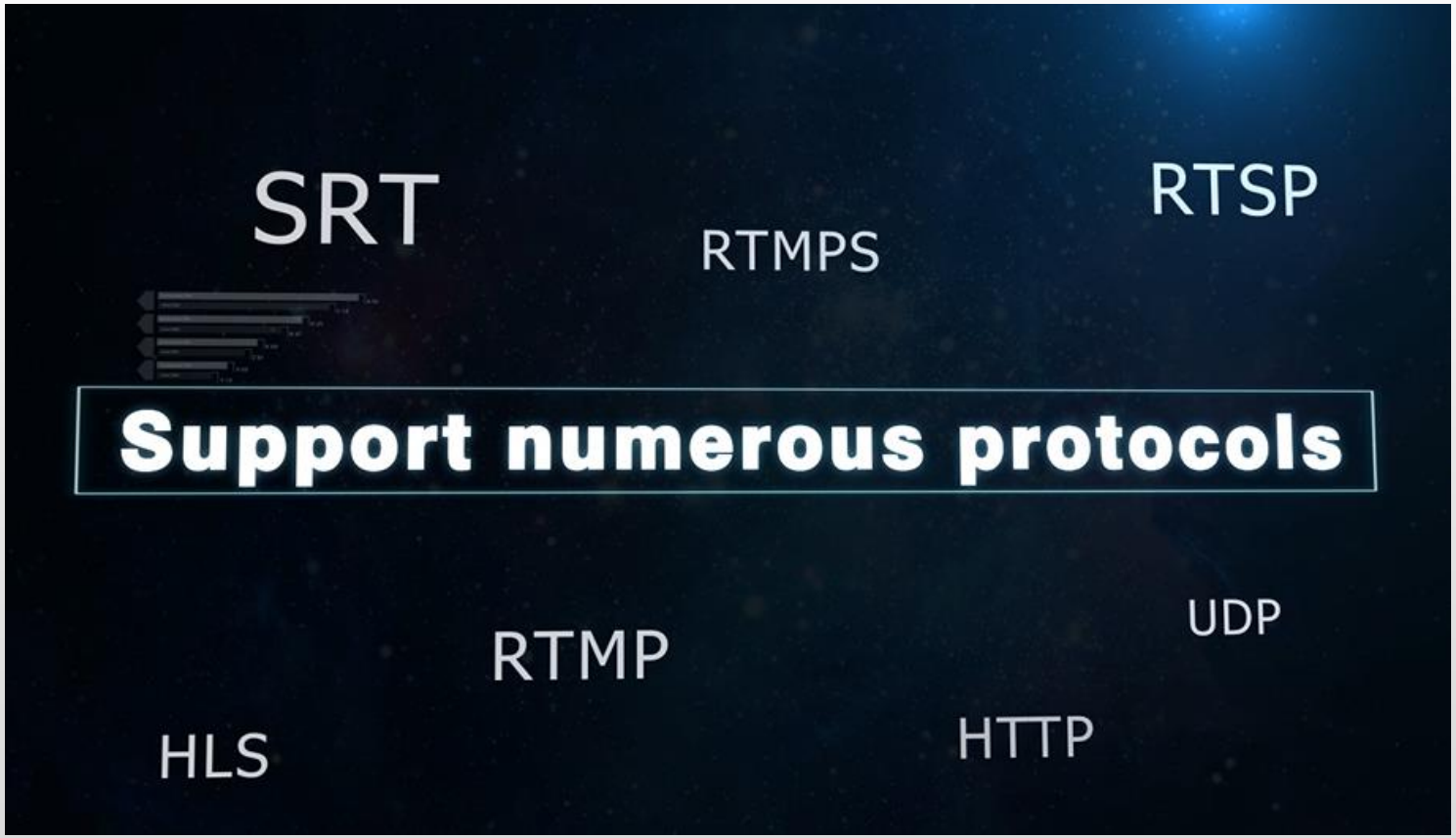
2. Live streaming anywhere

Mountable on camera by cold-shoe

Built-in 3~5 hours battery

P series 4G-LTE bonding encoder ---Free deployment and affordable

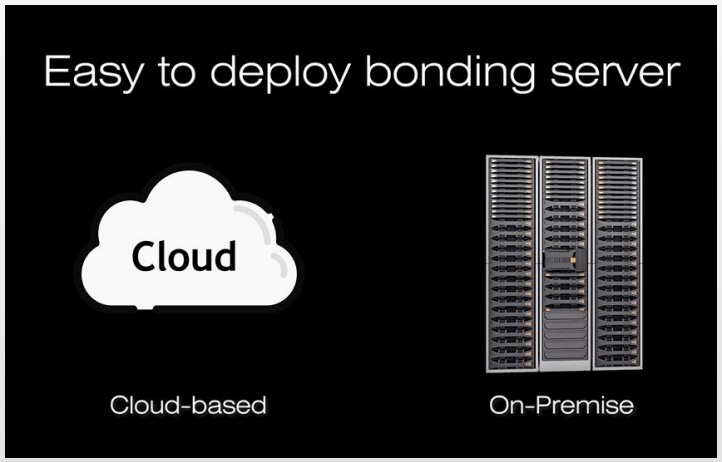
3. It's powerful

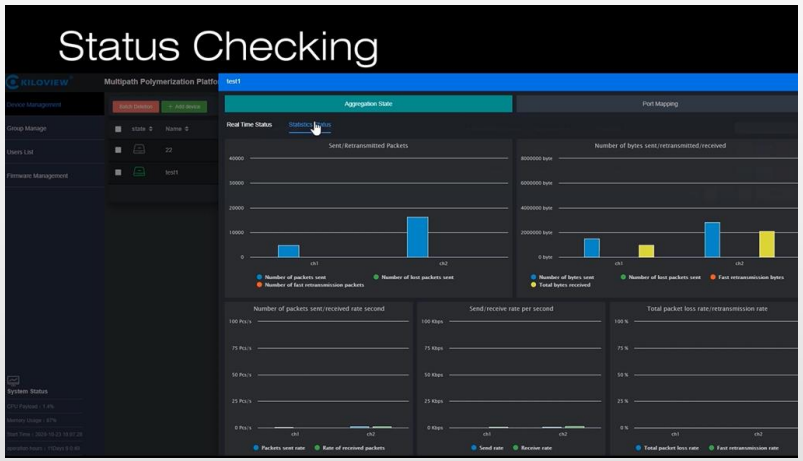


4. It's professional

P series 4G-LTE bonding encoder ---Free deployment and affordable

5. It’s flexible and easy to use





H.264/H.265 Video decoders family

Model: DC230

Up to 4CH 1080p60 Decoding Simultaneously

H.264

3G-SDI & DVI-I/HDMI/VGA Output

with same or different content

Model: D300

Up to 9CH 1080p60 Decoding Simultaneously

H.264/265

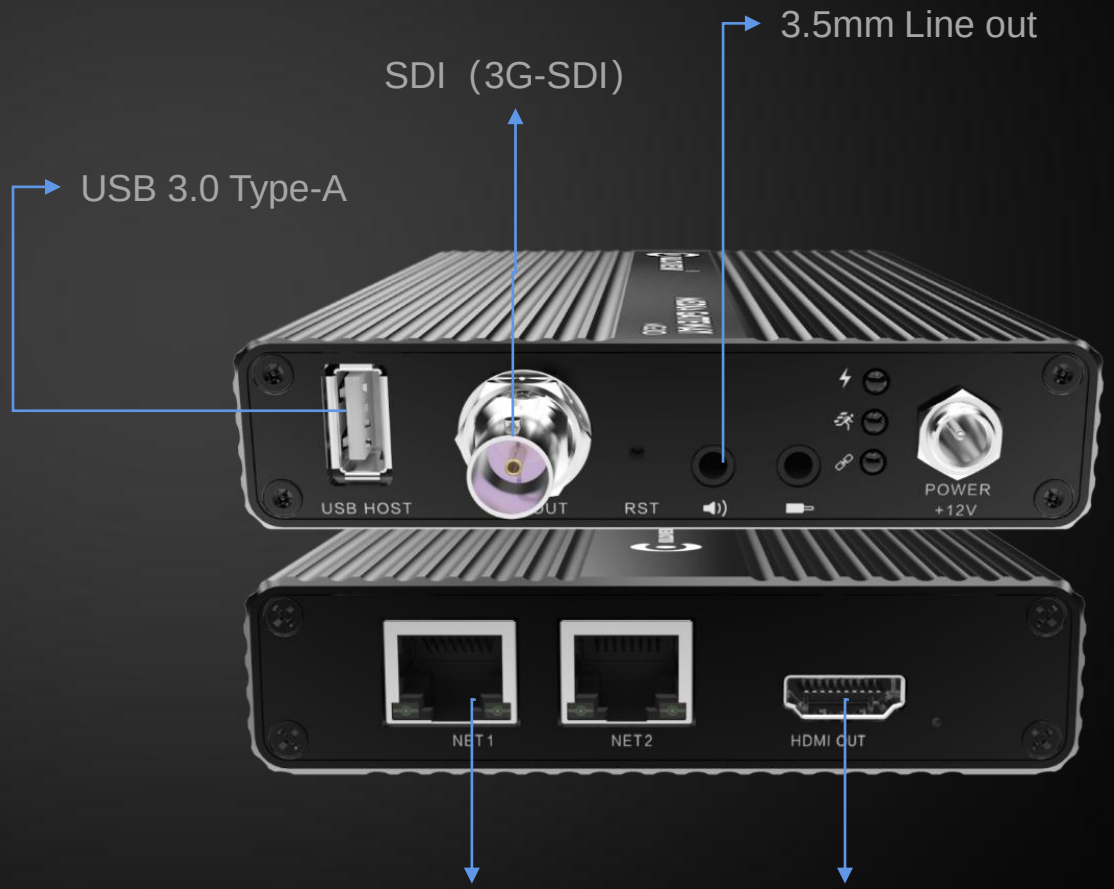
Up to 4K P60 Output

3G-SDI & HDMI Output at the same time

with same or different content

D300 4K H.265/264 Video Decoder

--Dual output hardware decoder



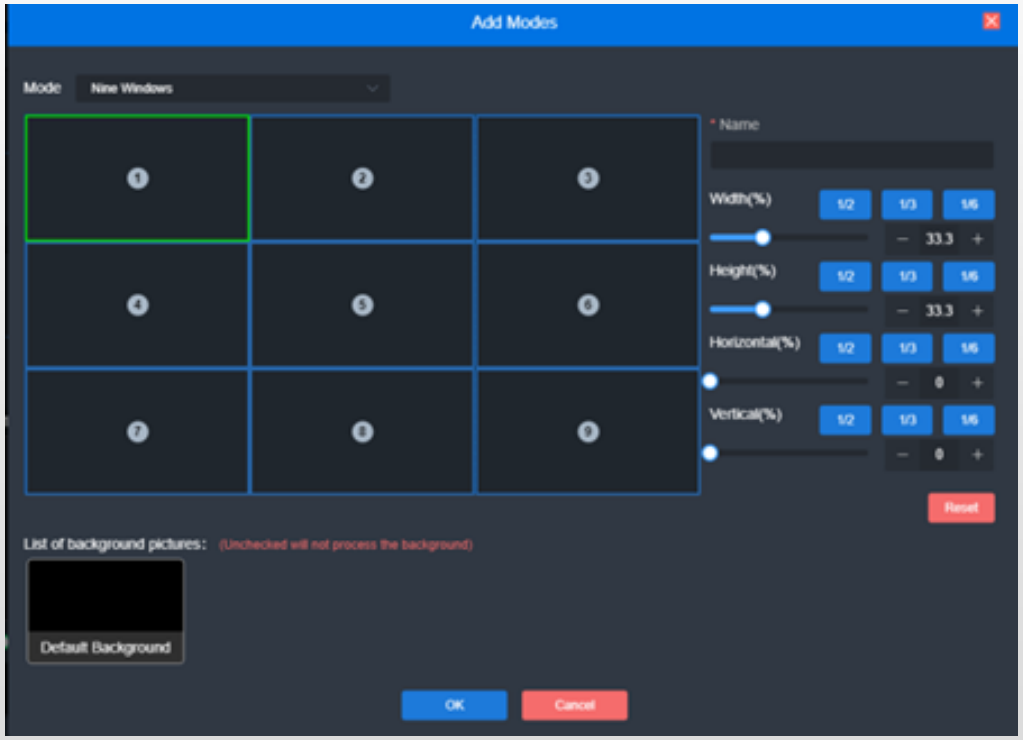
D300 4K H.265/264 Video Decoder

--Dual output hardware decoder

1. SDI+HDMI output

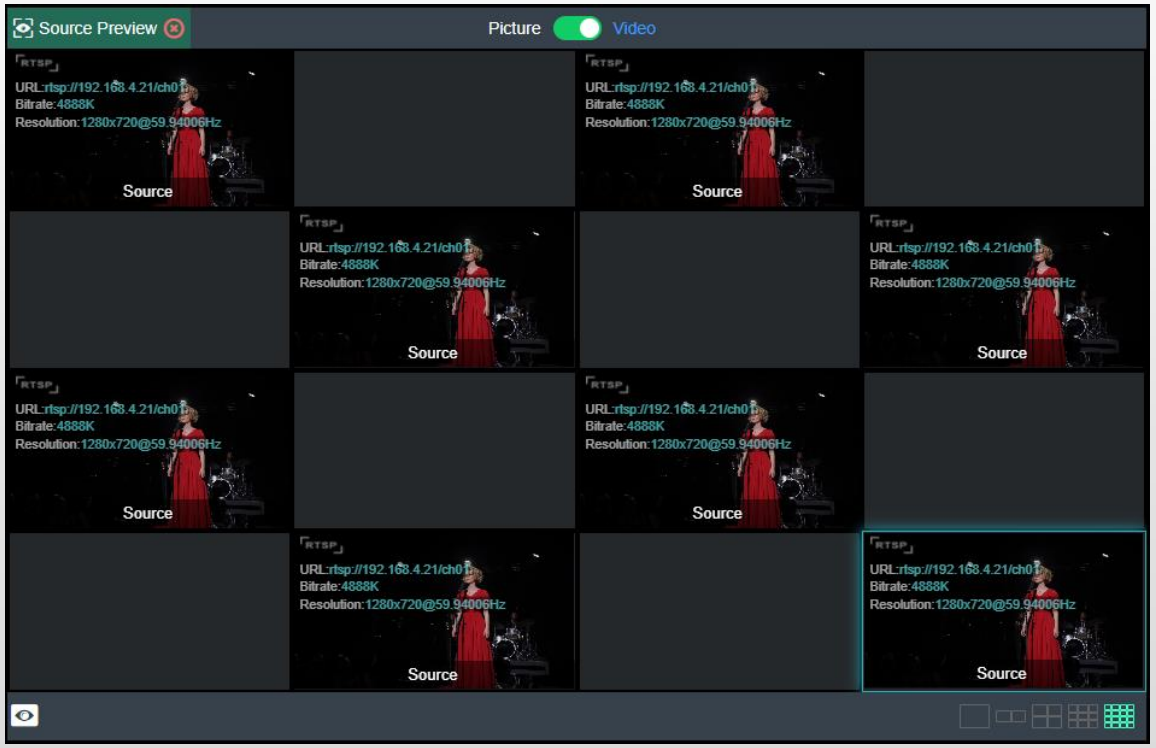
D300: 4K H.265/264 Video Decoder -----Dual output hardware decoder

2. Up to 9 channels simultaneous decoding



3. Preview either with image or video

Free Layout with 1/2/4/9/16 Grid, PIP, PBP, POP



4. Protocols including NDI|HX2, SRT, RTSP, RTMP, RTMPS, HTTP, TS over UDP, etc.

5. Support Logo and OSD

6. Output resolution adjustable

7. Dynamic and seamless switching

Kiloview Cradle Series ---Professional Rack Mounted Devices

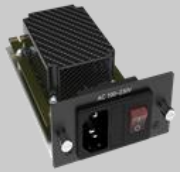
High density

Easy to use

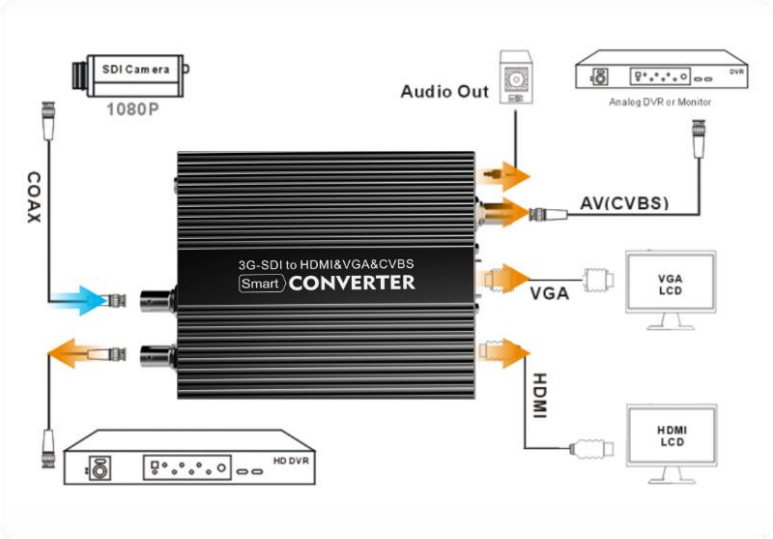
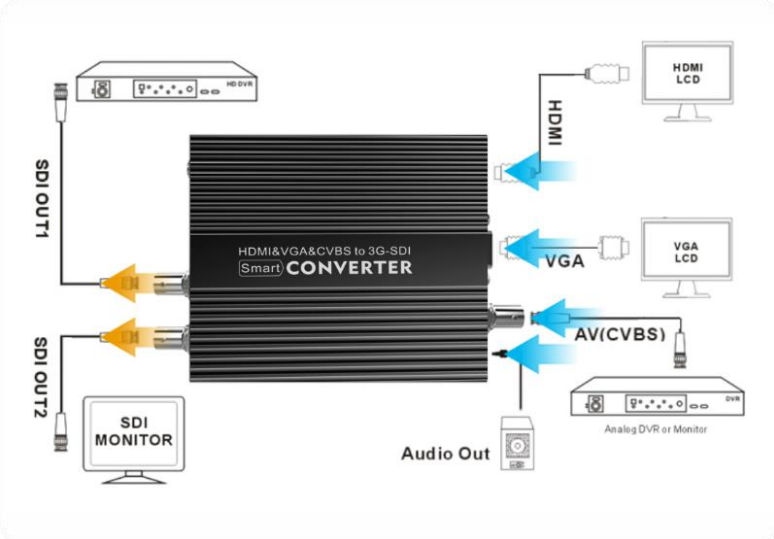
High reliability

High flexibility

Kiloview Cradle Series ---Professional Rack-mounted devices

Model/components	1RU (4CH)	3RU (16CH)	3RU (32CH Customized)
Frame	RU01	RU03 and RU03S	
Encoding/Decoding cards	RE-1/2, REN-1/2 (NDI)	RD-230, RD-300,RMG-300	
Power adaptor (optional accessories)	PU01-35W for RU01 	PU03-110W for RU03	PU03-110W for RU03S

Video Converters

CV180	CV190
	
●SDI and HDMI/VGA/CVBS conversion ●1 input and 2 output ● Up to 1080p60 ● Frame rate/resolution conversion ● Image scaling up/down ● Color adjustment	
3G-SDI loop or SDI De-interlace/ Conversion Supported	\
Analog audio output independently	Analog audio embedded to SDI signal

C1 Mini Video Converter

Tiny

1 CH converting

1080P

up to 1080p60

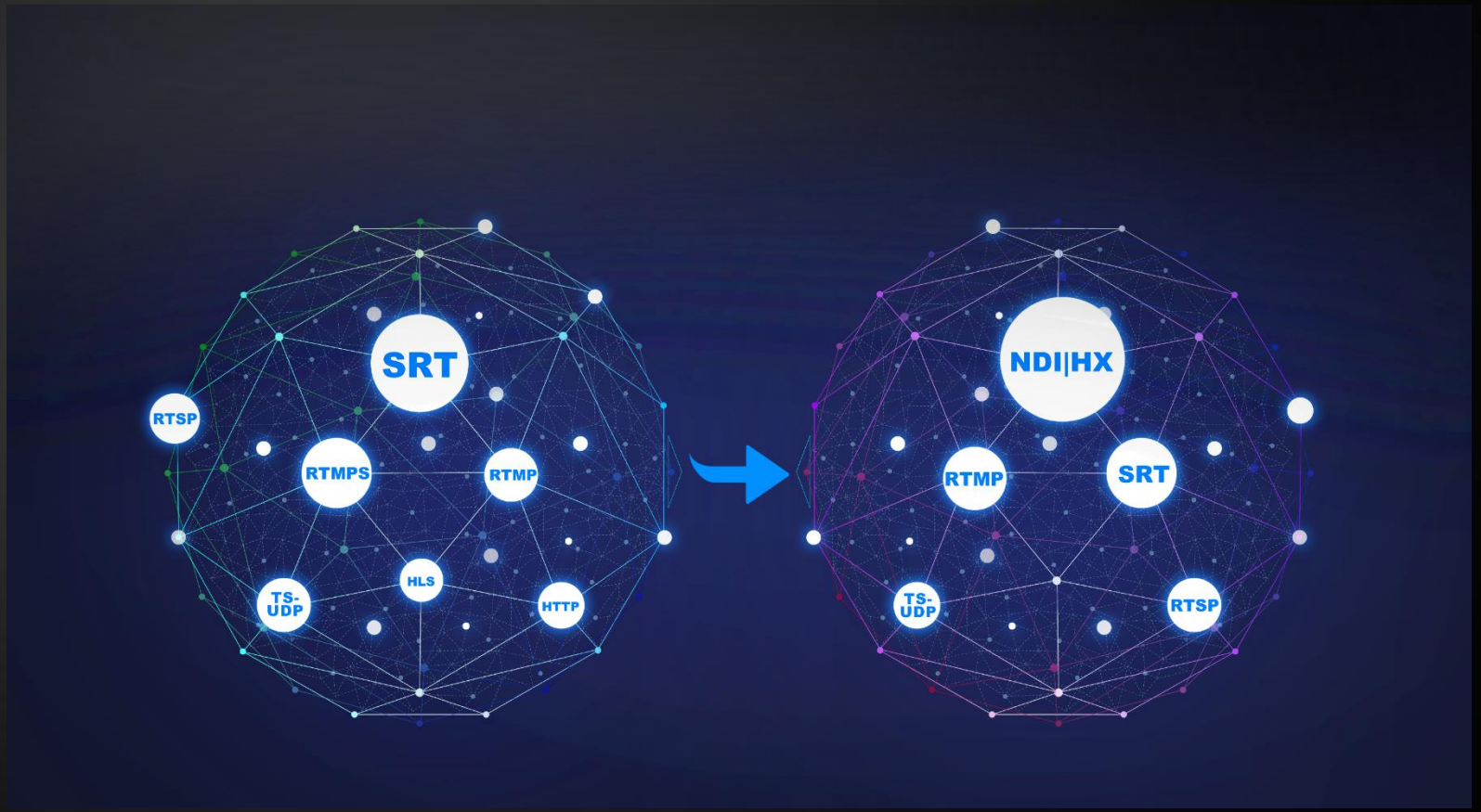
3G-SDI to HDMI

7*24 h working

MG300 Media Gateway

--- Easily and freely bridges IP protocols

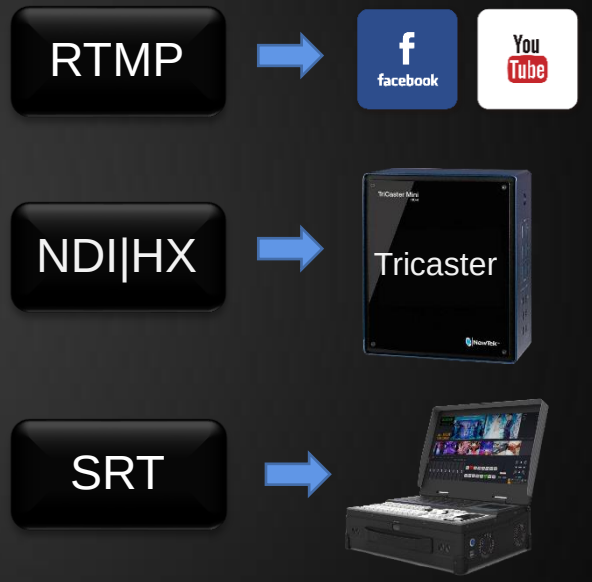
It’s a decoder and a transcoder



Protocols cross conversion

IP stream function

- Up to **9** multiview stream as source for streaming
- Publish the stream to **36** destinations (**9** sources with **4** protocols each)



TS-UDP

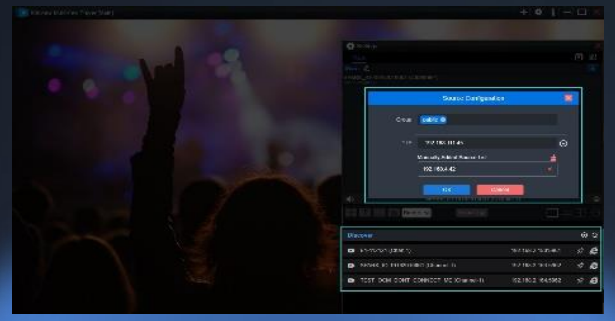
RTSP

……

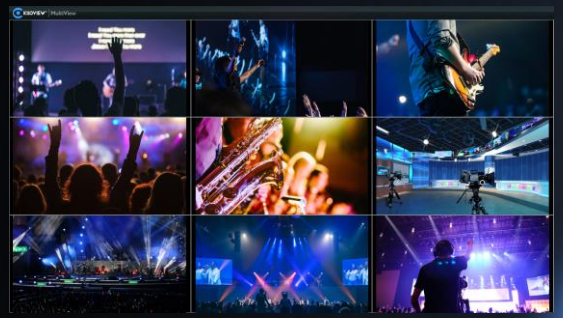
Software Solution

Multiview---The only NDI®&NDI®|HX Multiview Player with NDI output

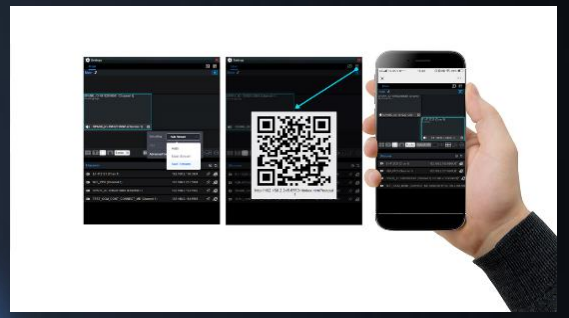
●Auto or manual discover any NDI® sources.



●9 streams decoding and display(16CH customization)

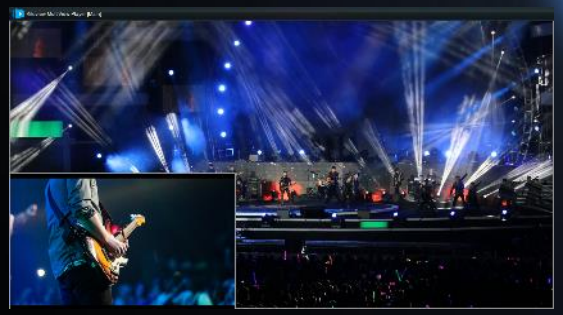


●smartphone management

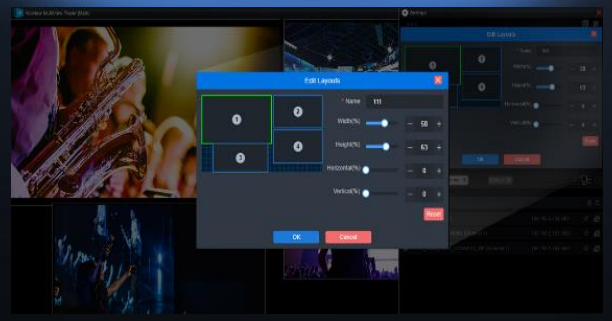


KILOVIEW® | MultiView

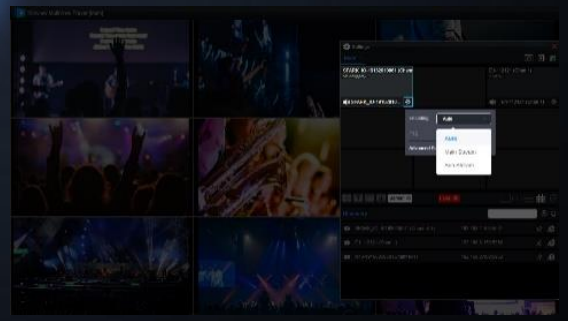
It's Free!



●Self-customization layout

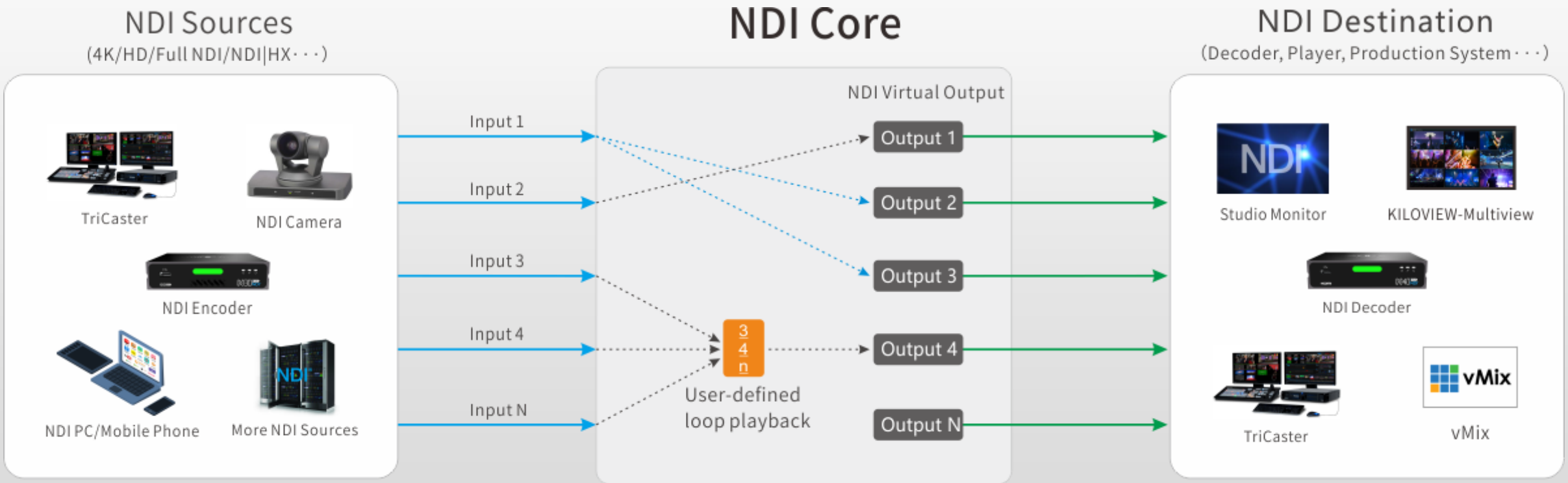


●Self-customization layout



●Adaptive display of main and sub stream

NDI Core---NDI Managing and Switching System (Release in December)



Highlights

Centralized Management

NDI Signal Amplification

NDI Source Switching

High Compatibility

Loop Playback

NDI Core				
Types		Basic	Pro	Max (Hardware version)
Free Trail		15-day free trial for limited 4 inputs and 4 outputs	15-day free trial for limited 4 inputs and 4 outputs	No
Max NDI Inputs	Kiloview/NewTek	Unlimited	Unlimited	Unlimited
	Others	16	Unlimited	Unlimited
Max NDI Outputs		16	Unlimited	Unlimited
NDI Output Connections		Unlimited (Depends on bandwidth)	Unlimited (Depends on bandwidth)	Unlimited (Depends on bandwidth)
Control Panel Types		Unlimited	Unlimited	Unlimited
Max Input/Output Resolution		4K P60	4K P60	4K P60
Input NDI Version		NDI/NDI|HX	NDI/NDI|HX	NDI/NDI|HX
Output NDI Version		Same as input	Same as input	Same as input
Switch Panel Options		Crosspoint	IO panel and Crosspoint	IO panel and Crosspoint
PTZ/TALLY/METADATA Support		Yes	Yes	Yes
NDI Discovery Server Support		Yes	Yes	Yes
API		Yes	Yes	Yes
NDI Decoding		Yes	Yes	Yes
Auto Switching by Playlist		/	Yes	Yes
NDI Relay		Yes	Yes	Yes
Switching Delay		1 Frame	1 Frame	1 Frame
Role Management		/	Yes	Yes
Log Management		Yes	Yes	Yes
Server Requirement	OS	Linux (Windows supported, but not recommended)	Linux (Windows supported, but not recommended)	Linux (Windows supported, but not recommended)
	Deployment environment	Docker	Docker	Docker
	CPU	X86 / x86-64, not less than 4 cores, and the dominant frequency is not less than 1.5GHz	X86 / x86-64, not less than 4 cores, and the dominant frequency is not less than 1.5GHz	Intel i7-11700K, 8-core 16-thread, 3.6G dominant frequency
	RAM	Not less than 8GB	Not less than 16GB	32G dual channel DDR4 3200MHz
	Network	Gigabit Ethernet. The rate of single network card shall not be lower than 4Gbps or the total rate of multiple network cards shall not be lower than 4Gbps.	At least Gigabit Ethernet (10GbE recommended). The rate of single network card shall not be lower than 10Gbps or the total rate of multiple network cards shall not be lower than 10Gbps.	Intel 82599 chip PCI-E 10 Gigabit SFP+ x2 Gigabit adaptive electrical port x1
Service		Response on questions via email/message	Remote online guidance	Remote online guidance

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