

Kiloview IP-based OB Van

15Years

Technology accumulation

10000

Customers

30000

Product sales

150

Exporting countries



Kiloview Electronics Co.,Ltd.

Email: info@kiloview.com

Technical Support: support@kiloview.com Website: <https://www.kiloview.com/en/>

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

High
Efficiency

Low Cost

Ultra-flexible

Wide
Connection

Long
Battery Life



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With the trend of video production based on IP, the entire media industry is highly concerned about how to use IP technology to upgrade the program production. NDI/IP technology, with its HD quality, low delay, flexible and easy deployment, as well as ultra-high cost performance and other characteristics, has been widely used in CCTV, various TV stations, Youku, Huawei and other media and network. As the official product supplier of NewTek, Kiloview can provide you with a complete NDI/IP solution from transmission to production to management. In 2022, Kiloview and Youku jointly developed and launched the world's first 5G 4K Complete NDI/IP OB Van, integrating the overall NDI solution and the major advantages of new energy vehicle body, bringing a new media production to the market. In 2023, Kiloview officially launched the fully self-developed IP-based OB Van, and made more optimization solutions and product designs on the basis of the first OB Van, which will bring you a more perfect experience.

Advantages of Kiloview IP-based OB Van

Professional Production Capabilities

Based on IP, the 10G network can achieve no less than 20 channels of 4K or 50 channels of HD video transmission, and can also easily expand production capabilities.

Lower Cost

Compared with traditional links, equipment, labor, operation, transformation and other costs have been significantly reduced.

Flexible and Convenient

The signal or system layout can be adjusted at any time, the on-site deployment is convenient, the system is easy to upgrade, and the operation is simple.

Connectivity

Support multiple OB Van to work collaboratively (production capacity can be multiplied), support remote production, cloud production, remote management and centralized scheduling.

Security and Stability

Two independent network links (primary and alternative) can be configured to ensure stable system operation.

Space Saving

There is no need for complex wiring, the size of the equipment is reduced exponentially, the operation process is more efficient, and the vehicle can free up more space for use, the 6m*2.5m vehicle can provide 7 workstations.

Energy Saving and Environmental Protection

Adopt environmentally friendly extended range new energy vehicle body solution, the vehicle is equipped with 53KWH battery, and has ultra long long life, can work for 48 hours without extra electric supply.

Support Customization

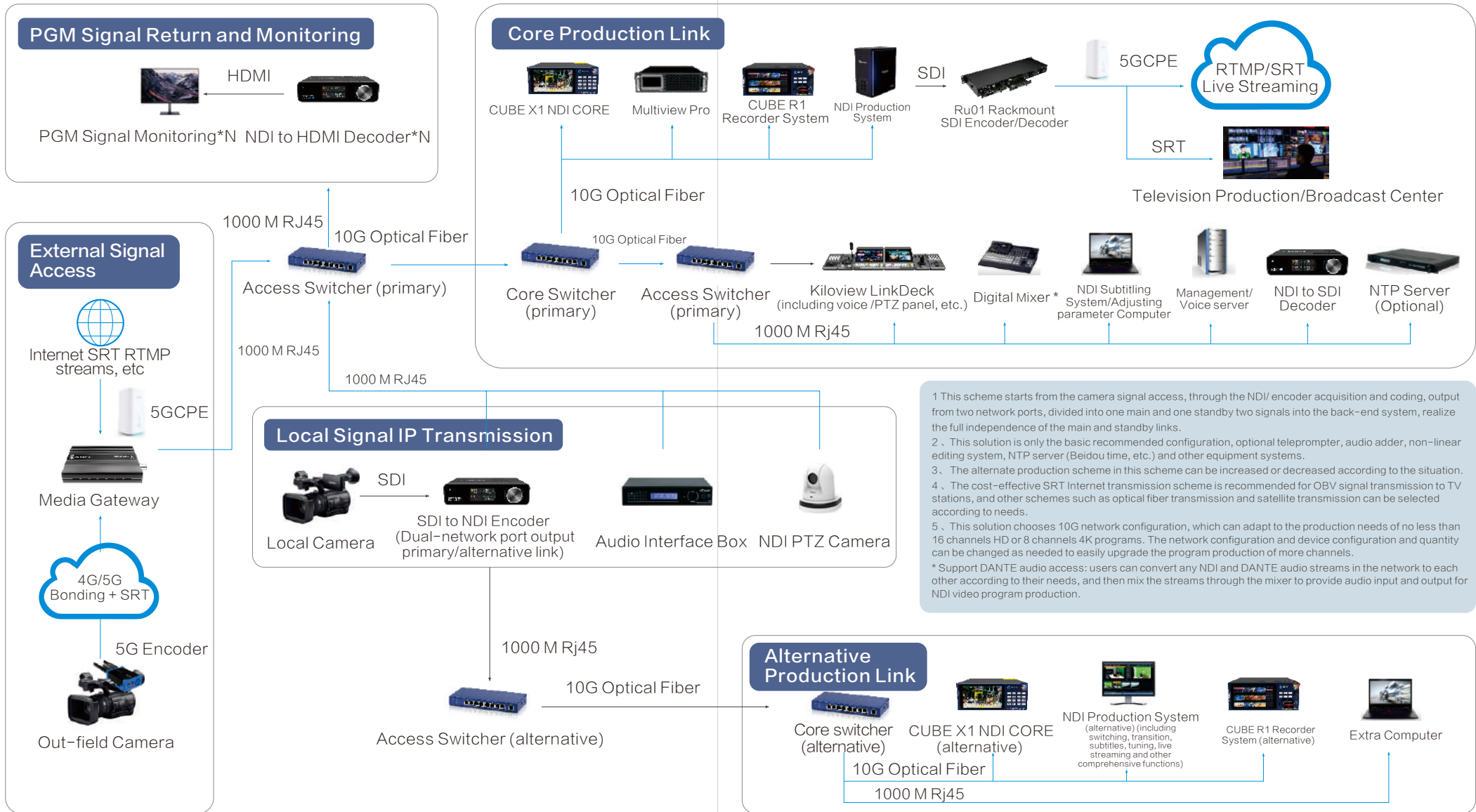
The whole solution of Kiloview IP-based OB Van supports customized design, you can choose the corresponding customized plan for the appearance, interior and function according to the actual application scenarios, and fully meet your various needs.



As a product under the trend of video production based on IP, our OB Van has broad application prospects and can be widely used in the new construction and transformation of convergence media vehicle, variety production vehicle, sports event broadcast van, emergency command vehicle, and new media production vehicle. At the same time, it brings great significance to the rapid development of the video production and broadcasting industry. The core advantages of low cost and high efficiency allow more small and medium-sized video production teams to bring more new possibilities to the entire media industry with more flexible and advanced technical systems.

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Network Topology of Kiloview IP-based OB Van



1 This scheme starts from the camera signal access, through the NDI/ encoder acquisition and coding, output from two network ports, divided into one main and one standby two signals into the back-end system, realize the full independence of the main and standby links.

2 . This solution is only the basic recommended configuration, optional teleprompter, audio adder, non-linear editing system, NTP server (Beidou time, etc.) and other equipment systems.

3 . The alternate production scheme in this scheme can be increased or decreased according to the situation.

4 . The cost-effective SRT Internet transmission scheme is recommended for OBV signal transmission to TV stations, and other schemes such as optical fiber transmission and satellite transmission can be selected according to needs.

5 . This solution chooses 10G network configuration, which can adapt to the production needs of no less than 16 channels HD or 8 channels 4K programs. The network configuration and device configuration and quantity can be changed as needed to easily upgrade the program production of more channels.

* Support DANTE audio access: users can convert any NDI and DANTE audio streams in the network to each other according to their needs, and then mix the streams through the mixer to provide audio input and output for NDI video program production.



The OB Van can be customized.

Note: This image is only a structural diagram, the specific object shall prevail.

Parameter	
Model	Geely Farizon Auto GLR
Battery	53KWH
Dimension of vehicle body	5.99*2.44*3.18m
Dimension of carriage	4.14*2.1*2.1m
Weight	5.5 tons
Multilayer shock protection	Customized shockproof chassis + shockproof cabinet + special floor for high-speed rail
Channel capacity	8 channels of 4K; Customizable and extensible
Core functions	4K NDI program recording or live streaming
System product power consumption	About 2KW
Hardware product size	About 20U
Network	10G, (40G optional)
Endurance mileage	About 500km
Maximum speed	The factory set maximum speed limit of 90, the actual maximum speed of 96.
Storage bin	About 4m ²
<p>The vehicle body comes with 53 degrees of electricity, which can guarantee its own power supply for 10 hours. It can basically supply power to the vehicle for 48 hours without relying on external power. In addition to the body's own power supply, the engine can also be used to power the vehicle.</p>	

Application Scenarios of OB Van



Multi-camera video content production:

Kiloview IP-based OB van can be in the need of multi-camera shooting scene, to provide you with a more simple and efficient production solution, and save a lot of production costs.

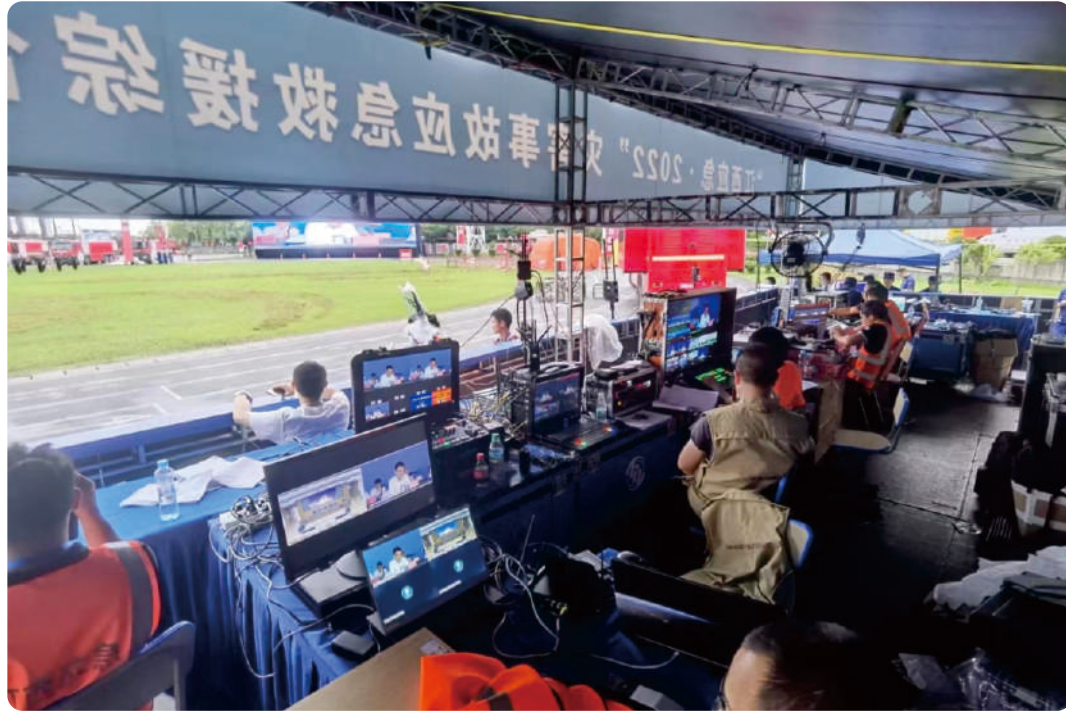
- One 10Gbps fiber can transmit 20 channels of 4K or 50 channels of HD video.
- The NDI CORE supports 16 NDI inputs and 32 NDI outputs.
- Multiview Pro can monitor 20 channels of video stream per window, can achieve multi-window, multi-screen pre-monitoring + switching.

Live Streaming of Outdoor Events/Performances:

For live events, large-scale performances, outdoor activities, Kiloview 4G SRT wireless transmission scheme can be used.

- KiloLink technology handles weak networks easily.
- Low latency transmission < 1s.
- Live captions and packaging can be added to live images in real time in the OB Van.
- Supports voice intercom between cameramen and the player.





Emergency Drill:

Kiloview OB Van can be used as an emergency drill command vehicle, making the remote emergency command more flexible and fast, and the work deployment more handy.

- Kiloview HD decoder can support 9 channels of video stream decoding simultaneously.
- Four cooling fans are designed to ensure that the device runs 7 x 24 hours (RU03 chassis).
- Personnel in the OB Van can watch and deploy the work in real time.



Live News Report:





In the breaking news scene, Kiloview IP-based OB Van can flexibly and efficiently complete the news video material return, and the OB Van can also act as a temporary live news interview broadcast room.

- Rack-mounted SRT encoder transmits PGM (SDI) signals to the TV production center over the Internet.
- There is no need to deploy long distance optical fiber or wireless microwave system, the ordinary Internet can complete the remote transmission of PGM signals, and the end-to-end delay is only about 600ms.
- There is enough room in the OB Van to support two or three people for a live interview.

Products Recommendation






N50/N60-4K NDI Converter

-  Encoding & Decoding with One Unit
-  Ultra-low Latency
-  Pro-Level Color Performance
- LCD** Built-in LCD Screen and Scroll Wheel
- KIS** KIS Intercom
-  Central Management








Multiview Pro

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



CUBE X1 Distribution System

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



NDI Production







TriCaster, vMix and other NDI production systems are available.



Products Recommendation







CUBE R1 Recorder System

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







Kiloview Intercom Server Pro

-  Completely IP-based
-  Unlimited Intercom Channels
-  Flexible Devices Access
-  Efficient User Management




Kiloview LinkDeck

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



KiloLink Server

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

Please visit our website for more details about products and solutions:

<https://www.kiloview.com/en/>

