



TVLB

February 2018

CONTENTS

01

About TVLB

02

Our Advantages

03

TVLB OB Vans

04

Core Competence

05

Overseas Business Layout

06

Future Plan



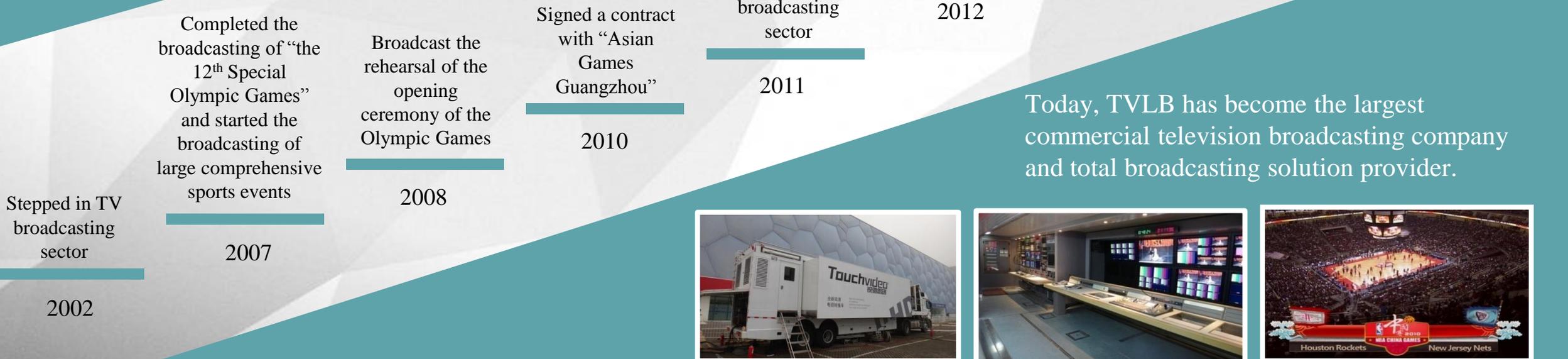
About TVLB

- **Touch Video Live Broadcast Resource Corp. (TVLB), founded in February 2002, is the largest private total television broadcasting solution provider in China.**
- **It is recognized as a pacemaker of Chinese television broadcasting service industry all the time. Its main business includes all-round services including broadcasting solution design, project management and signal production. TVLB is able to present the most wonderful broadcasting signals to the customers.**
- **TVLB has rich broadcasting experience, strong innovation ability, powerful equipment resources and more than ten thousand successful cases for broadcasting of large domestic and foreign events.**



About TVLB – Development Path

The past 15 years witnessed the rapid growth of TVLB from three people and three cameras to nearly 10 HD OB vans and also saw the continuous opening and reform of Chinese television broadcasting sector and the revitalization and prosperity of Chinese sports market.



Today, TVLB has become the largest commercial television broadcasting company and total broadcasting solution provider.





About TVLB – Our Background



China Sports Media

Invest as a controlling shareholder

TVLB

Hundreds of millions of yuan orders

Backed by the strategic resources of China Sports Media (CSM), TVLB will continue to expand the sports market and have infinite possibilities in the future.



Core Professional Team

Cong Feng

(General Manager)

A leading figure of the industry, having 16 years' work experience in the television broadcasting industry, establishing TVLB in 2002, and being the first person putting forward the concept of EFP (Electronic Field Production)

An Yongmao

(Deputy General Manager)

Graduating from Communication University of China in 1996 and having 8 years' experience in film, TV and advertisement production and 12 year' experience in television broadcasting theory and practice

Jia Yongbing

(Deputy General Manager)

Having 14 years' experience in broadcasting, ever participating in the broadcasting projects of Olympic Games, Asian Games and many other large international sports events and being good at formulating and completing the television broadcasting solutions of large literature, arts and sports events

Chen Xuhai

(Deputy General Manager)

Graduating from Communication University of China, having 10 years' experience in broadcasting, ever participating in the broadcasting projects of Asian Games, Universiade and the large international sports events at other levels, and being a technical director for broadcasting of CCTV, BTV and other domestic first-level heavyweight columns and programs



Our Advantages

Core Professional Team

Xue Tao (Director)

Having more than 20 years' experience in broadcasting, and ever participating in the broadcasting projects of Asian Games, Universiade and the large international sports events at other levels
Director of 2016-2017 CSL Qinhuangdao Area

Yin Shuangqing (Director)

Having more than 14 years' experience in broadcasting, and ever participating in the broadcasting projects of Asian Games, Universiade and the large international sports events at other levels
Director of 2016-2017 CSL Northeast China area

Our Advantages

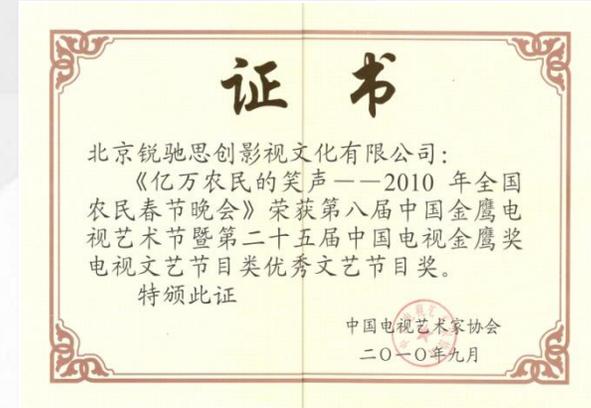
Honors and Certificates



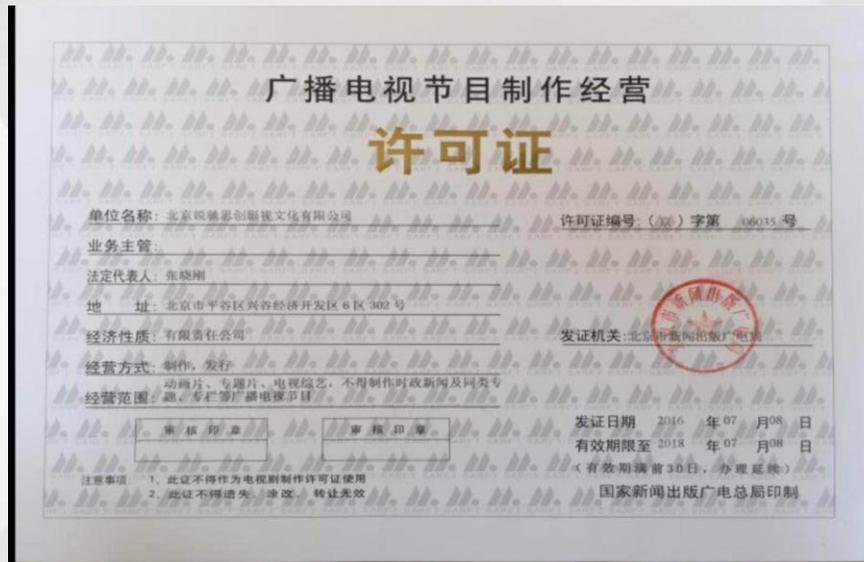
Letter of Thanks from Zhang Yimo,
the chief director of the opening
ceremony of Beijing Olympic
Games



Certificate of Honor issued by the
main broadcasting organization of
the 26th Summer Universiade



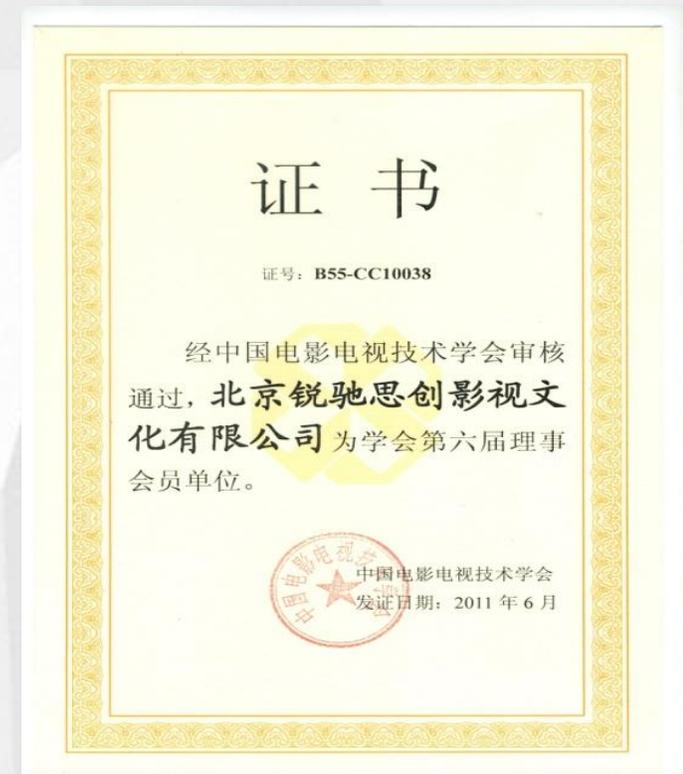
Certificate of Honor issued by
China TV Artists Association at the
8th China Golden Eagle TV Art
Festival



Letter of Thanks from Mr. Ma Guoli, the president of the main broadcasting organization of Asian Games Guangzhou



Third prize – the 2010 Award for Comprehensive Technology for Large Television Broadcasting issued by China Society of Motion Picture and Television Engineers



Member unit of the Council of China Society of Motion Picture and Television Engineers

Our Advantages

Substantial Equipment Resources



16+2-channel HD OB van (HD-6)

Adopting a single expanding semi-trailer, a high-definition 16+2-channel wireless system and 22 positions, it can meet the production demand of most of the large sports events, video and audio system both have master and backup system, maximally guarantee the production and broadcasting safety. It is predicted that it will roll off the production line in March 2018.

I Van Body:

1. Trailer: Mercedes-Benz ACTROS: 1841 4X2 Extreme Edition.
2. Body: Made by Aerospace New Long March Electric Vehicle Technology Co., Ltd. (NLM); semi-trailer chassis, single expanding, expanding pull out 1.4m; length of sliding room 8m; running dimension(including tractor): L13mXW2.5mXH4m; working dimension(including tractor): L13mXW3.9mXH4m; internal areas: independent audio area, production area and technical area

II Video Equipment:

1. Studio camera 16-channel, model: SONY HDC-2580, with reserved 2 wireless cameras and ultra-high speed cameras.
2. Switcher: SONY multi-format switcher system, MVS-7000X, in 3ME mode or 6ME mode; 8Keyers/ME when in 3ME mode; 4Keyers/ME when in 6ME mode; 60-channel input, 24-channel output, 16-channel frame memory with 2000 frames of HD pictures. It is provided with double panels, a 3ME panel and a 2ME panel. The direct toggle keys are 24 keys.

III Audio Equipment: 5.1 Production System

1. Central sound mixer : YAMAHA CL5, 24+8+2 fader, Dante system, with a Dante Network I/O Racks.

IV Call System

1. Master call matrix: Zeus-III of TELEX, 32-channel call matrix.

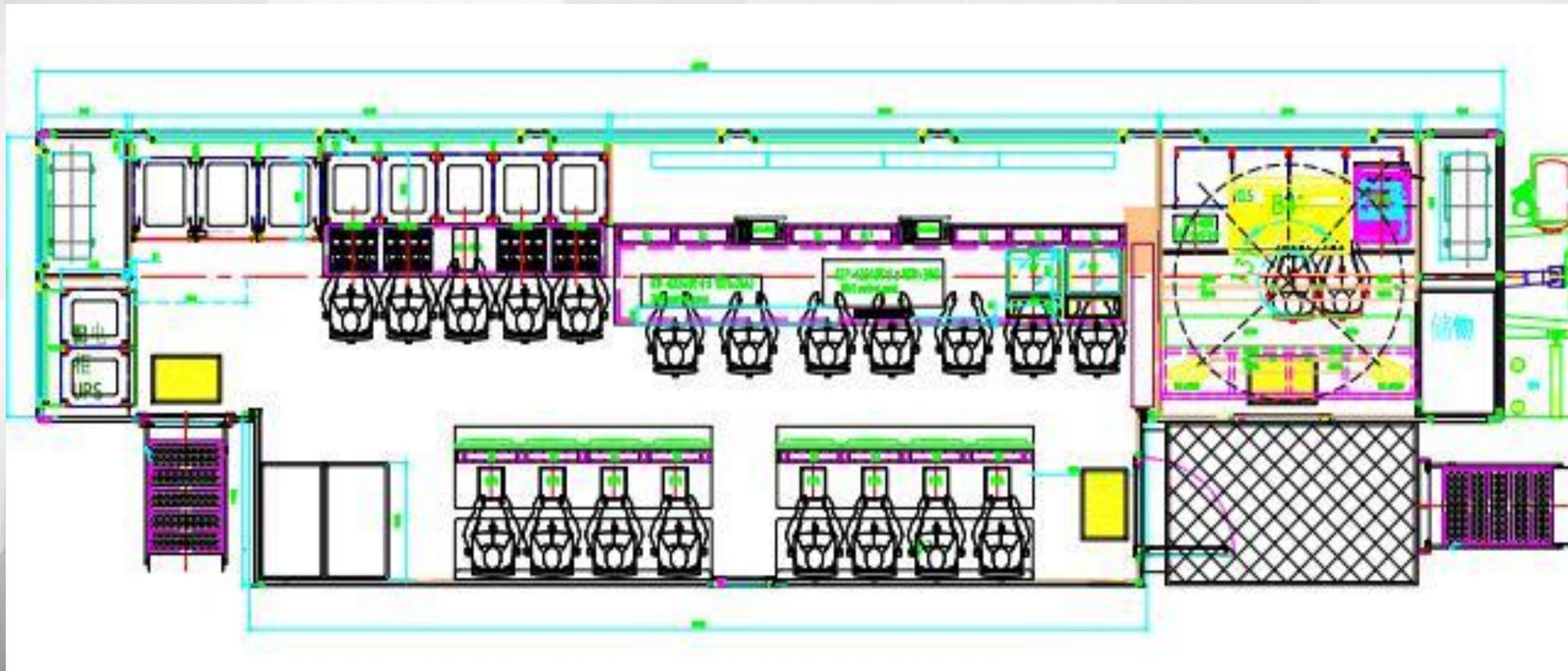


Our Advantages

Substantial Equipment Resources



16+2-channel HD OB van (HD-6) layout





Our Advantages

Substantial Equipment Resources

24-channel UHD OB van (UHD-1)

TVLB-UHD1 OB van adopts a double expanding semi-trailer; a UHD 24+2-channel wireless system, master system IP mode and baseband signal backup, may realize UHD/HDR production and be compatible with HD/SDR production, it has 27 positions and can meet the production demand of large sports events. The video and audio systems both adopt master and backup design to maximally guarantee the production and broadcasting safety. It is predicted that it will roll off the production line in August 2018.

I. Van Body:

1. Trailer: Mercedes-Benz ACTROS: 1841 4X2 Extreme Edition.
2. Body: Made by Aerospace New Long March Electric Vehicle Technology Co., Ltd. (NLM); semi-trailer chassis, bilateral towing, each expanding pull out 1.08m; length of sliding room 12m; running dimension(including tractor): L13.75mXW2.5mXH4m; working dimension(including tractor) : L13.75mXW4.7mXH4m; internal areas: independent audio area, production area and technical area. :

II. Video Equipment:

1. 4K studio camera 24-channel, model: SONY HDC-4300, with reserved 2 wireless cameras and ultra-high speed cameras.
2. Switcher: SONY 4K multi-format switcher system, XVS-8000X, 4ME in 4K mode and 8ME in HD mode; provided with double panels, a 4ME panel with 36 direct toggle keys, and a 2ME panel with 24 direct toggle keys.
3. Baseband 3G matrix: XE8-3232-3G+XLINK matrix of Evertze, 128 (I/P) x128(O/P) , with X-LINK.
4. Slow motion: Provided with 2 EVS XT4k 8 servers (4k mode 6 channels, HD mode 12 channels), and XFILE3, for simultaneous collection of multiple channels, and provided with IPD, MultiReview, etc.

III. Audio Equipment: 5.1 Production System

1. Central sound mixer: LAWO MC 36 , 48 faders, with two external interface boxes.

IV. Control System:

Provided with LAWO VSM centralized control system.

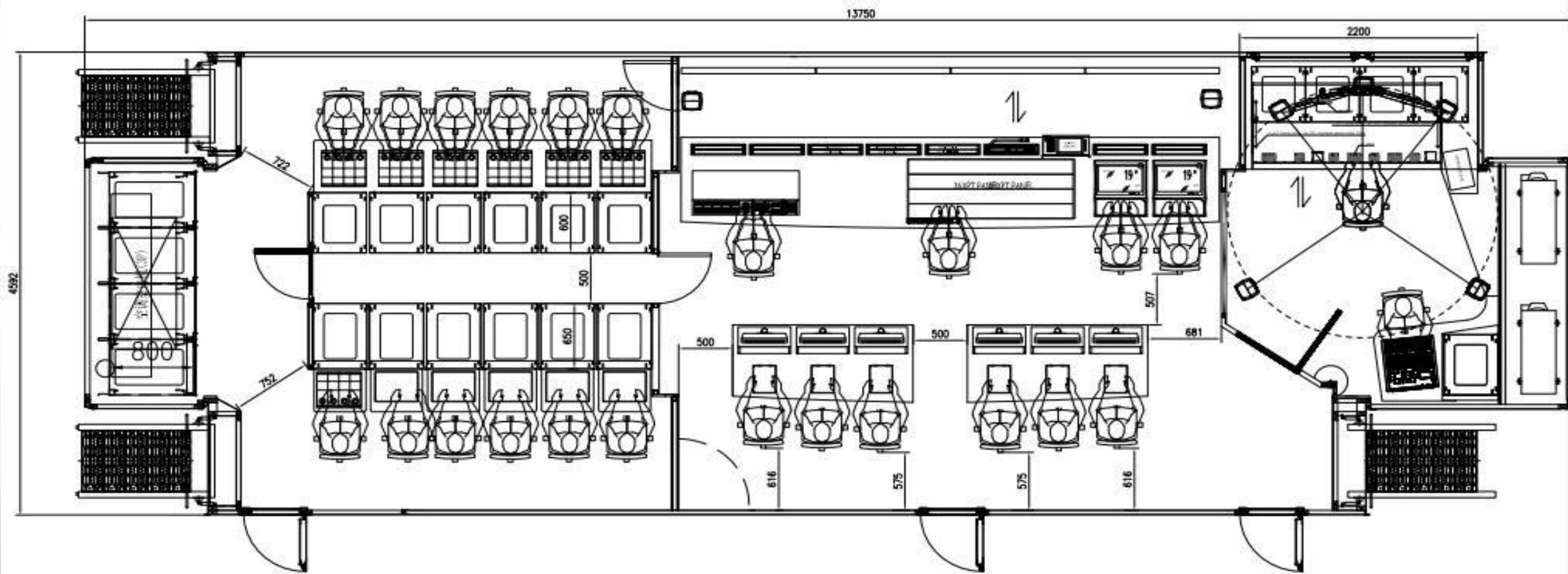


Our Advantages

Substantial Equipment Resources



24-channel UHD OB van (UHD-1) Layout



Our Advantages

Substantial Equipment Resources



Features of 24-channel UHD OB van (UHD-2): Fully support dual-signal dual-director independent production

TVLB-UHD2 OB van adopts a double expanding semi-trailer, a UHD 24+2-channel wireless system, master system IP mode and baseband signal backup and may realize UHD/HDR production and be compatible with HD/SDR production; the van body is designed to have a separate second production area to realize dual-production; 27 positions are designed to meet the production demand of large sports events. The video and audio systems both adopt master and backup design to maximally guarantee the production and broadcasting safety. It is predicted that it will roll off the production line in August 2018.

I. Van Body:

1. Trailer: Mercedes-Benz ACTROS: 1841 4X2 Extreme Edition.
2. Body: Made by Aerospace New Long March Electric Vehicle Technology Co., Ltd. (NLM); semi-trailer chassis, double expanding, each full expanding pull out 1.08m; length of sliding room 12m; running dimension(including tractor): L13.75mXW2.5mXH4m; working dimension(including tractor): L13.75mXW4.7mXH4m; internal areas: independent audio area, production area, independent second production area and technical area.

II. Video Equipment:

1. 4K studio camera 24-channel, model: SONY HDC-4300, with reserved 2 wireless cameras and ultra-high speed cameras.
2. Switcher: SONY 4K multi-format switcher system, XVS-8000X, 4ME in 4K mode and 8ME in HD mode; provided with double panels, a 4ME panel with 36 direct toggle keys, and a 2ME panel with 24 direct toggle keys.
3. Monitoring system: The director area adopts 8 SONY55" 4K screens. Multiviewers, Screen splitting adopts Evertz screen splitting and supports output of 192 split screens; the monitoring of the technical area adopts SONY monitor (PVM series) in four split screens; technical monitoring adopts WFM8200 of SONY BVM-E171 and TEK.
4. The four output master 4K transmissions may be used for master and standby switchover and audio insertion. There are also other four HD transmissions.

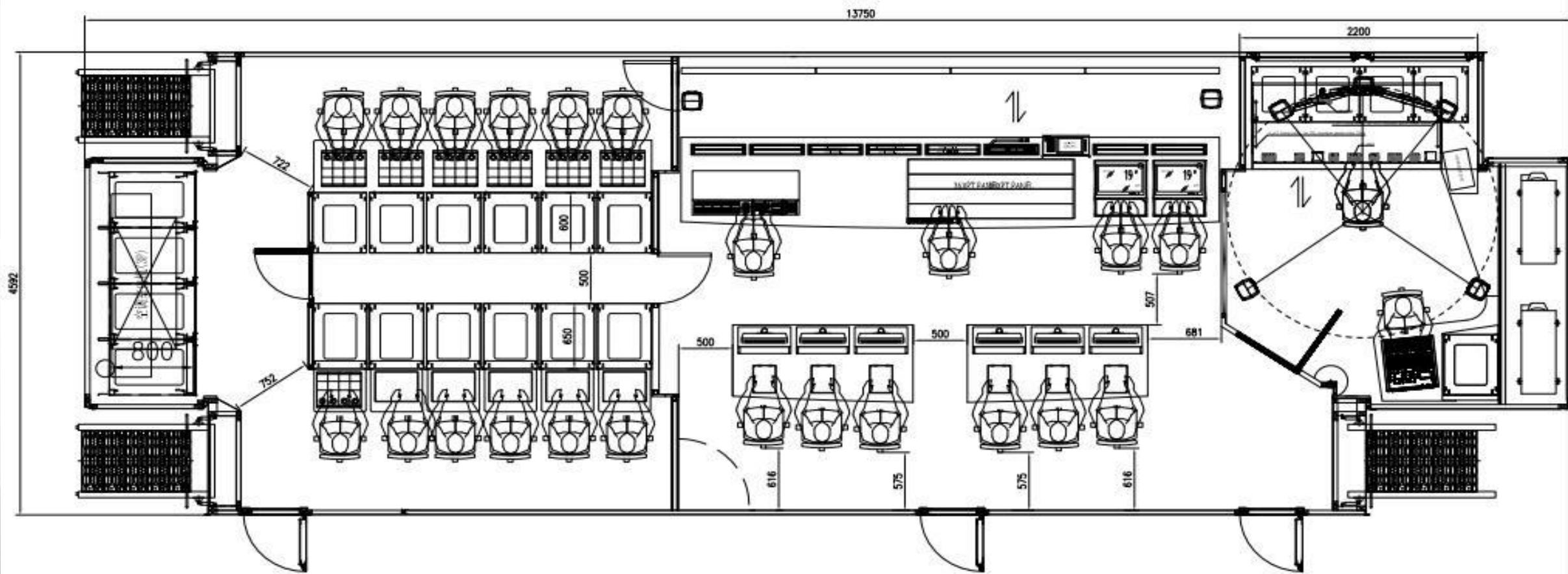


Our Advantages

Substantial Equipment Resources



24-channel UHD OB van (UHD-2) layout





TVLB OB Van

An OB van is equivalent to a mobile small “TV station”. The attribute of broadcasting makes it possess the functions of gathering, production, editing and playback. It may record the field situation live through multiple machine positions at multiple angles, conduct arts creation and in the end, send the signals via satellite uplink devices or optical fiber devices to the master control center, which will broadcast the programs to numerous households. Meanwhile, the attribute of van makes it flexible and mobile and respond fast.

Composition of an OB van system:

1. Camera system, including 4K camera lens
2. Switching system
3. Matrix scheduling system
4. Picture monitoring system
5. Call system
6. Slow motion production system
7. Caption system
8. Audio system
9. Control management system

TVLB OB Van



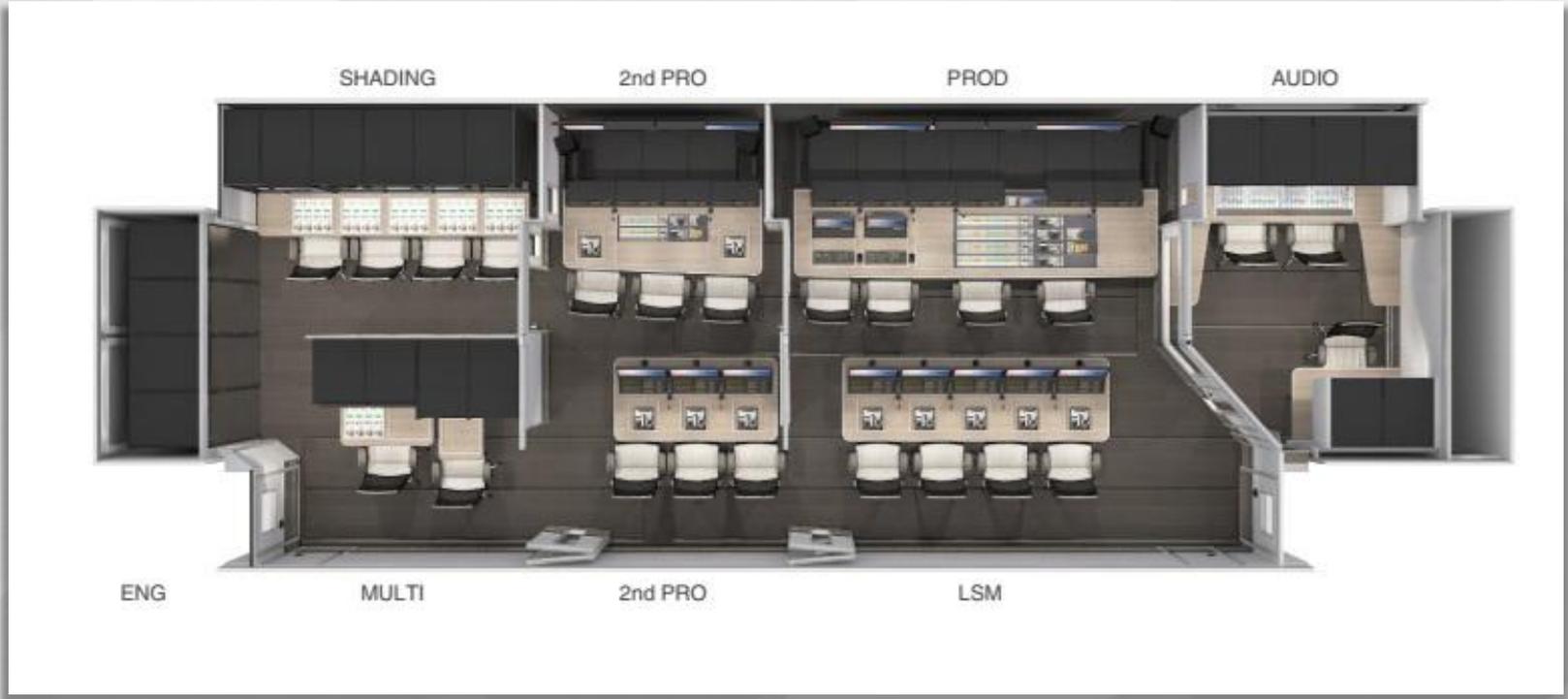
4K refers to ultra-high definition. It is the future development direction of TV;

IP refers to the integration between conventional radio & TV technology and IT industry.

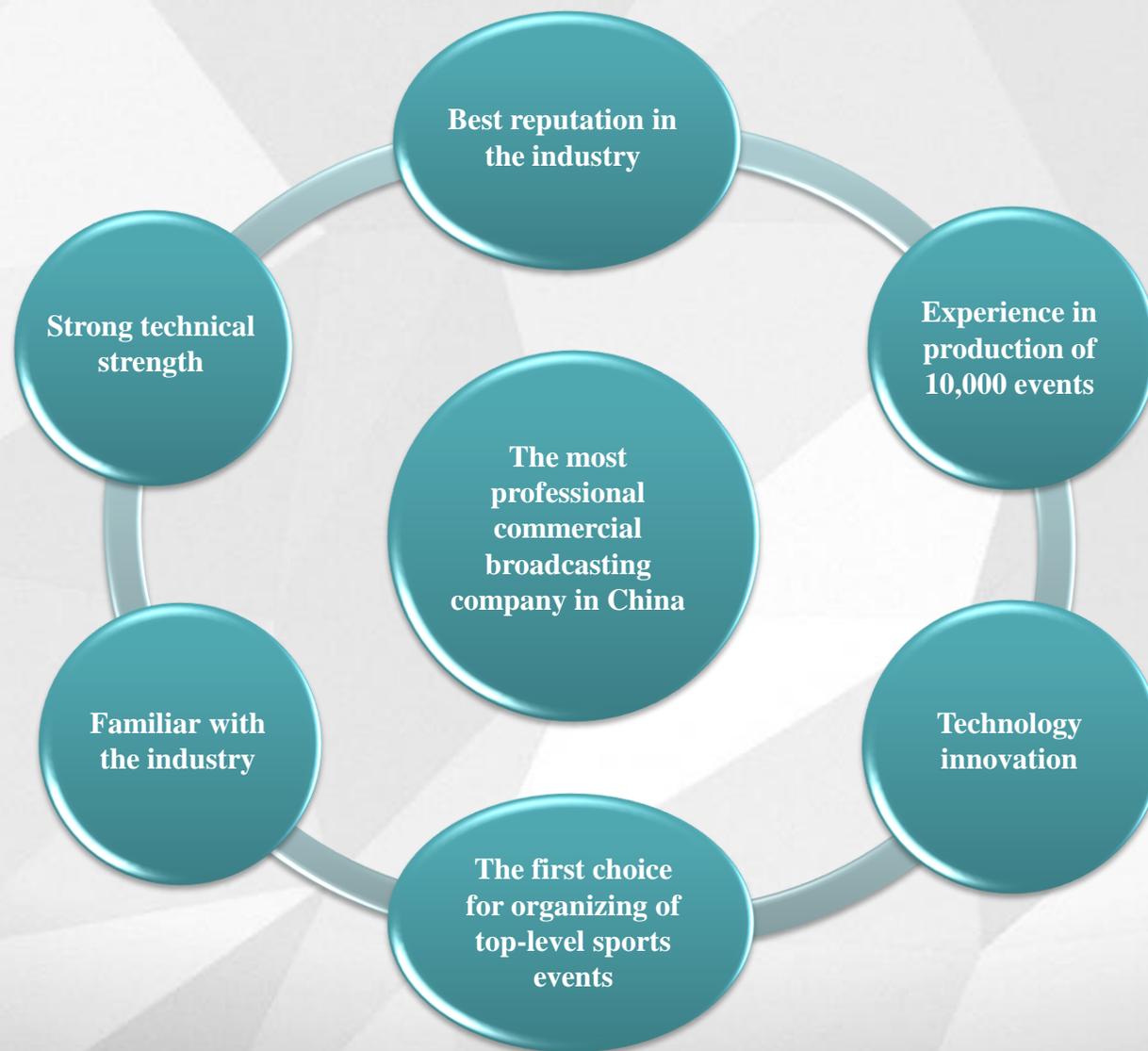
- Configuration and design of the standard for broadcasting of top-level sports events
- The initial capacity of each van reaches 24-channel 4K/HDR
- Internationally advanced HDC4300 camera
- EVS-XT4K
- 4K high focal ratio lens
- SDI and IP multi-format signal exchange and mixing
- HDR/SDR synchronous production capacity



TVLB OB Van



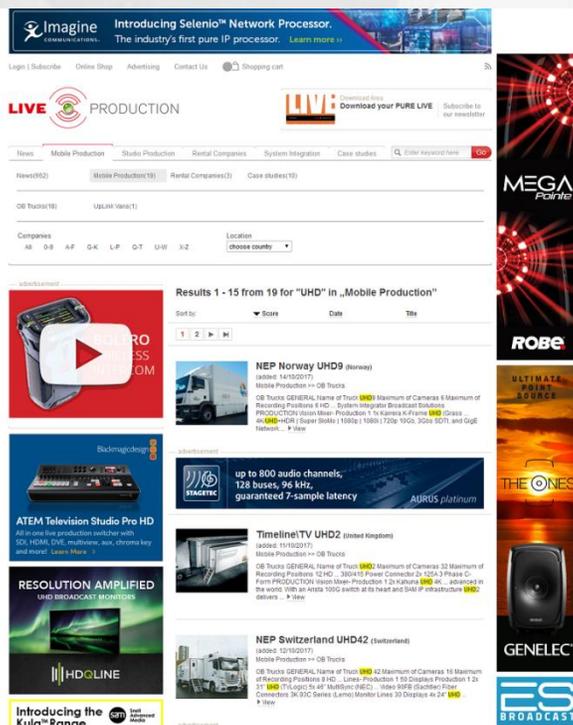
Core Competence



Core Competence



Core Competence



<http://www.live-production.tv/>

It is an authoritative website providing global top-level live radio and television field broadcasting resources, including global OB vans, production companies, special-purpose equipment and other information. The search reveals there are only 19 registered 4K OB vans in the world. Apparently, the resources of 4K OB vans are very scarce in the world.

The only companies owning two 24-channel 4K/IP OB vans in China

Overseas Business Layout



- Visited SONY (China) Limited on invitation for three times
- In September 2017, held a 4K/IP OB van contract signing ceremony with SONY (China) Limited
- Held a signing ceremony of a strategic cooperation contract with CANON China in Beijing in June 2016 and will open an important press conference on February 01.
- Ever cooperated with NHK Symphony Orchestra at National Centre for the Performing Arts with pleasure, responsible for television broadcasting of the performance of NHK Symphony Orchestra in China.



Overseas Business Layout



The 4K/IP OB vans bought by TVLB are both designed according to the standard for live broadcast of sports events. TVLB can easily meet the requirements for production of public signals of large events and ranks first in the international broadcasting service field.

The long-term experience, profound technical accumulation and outstanding product advantage in broadcasting field are the guarantees to the efficient and reliable broadcasting of TVLB for domestic and foreign large sports events and variety show activities.

TVLB provided service for Beijing Olympic Games in 2008 and wishes to cooperate with the 2020 Tokyo Summer Olympic Games.



Overseas Business Layout

- With the support of the excellent resources of controlling shareholder China Sports Media and own television broadcasting software and hardware conditions that are the best in China, TVLB ushers in the best opportunity for expansion of overseas market.
- TVLB actively explores overseas business layout and wishes to establish cooperative relations with Japanese Organizing Committee of the 2020 Summer Olympic Games, Japan Professional Football League and other sports institutions. On the one hand, TVLB wishes to undertake the broadcasting production of the sports events held by these organizations in China; on the other hand, TVLB wishes to participate in the broadcasting of the warm-up matches and test matches of the 2020 Tokyo Summer Olympic Games.
- We may transport OB vans to Japan by sea or transport portable broadcasting equipment, such as: Fly away equipment by air.
- Meanwhile, we have China's best television broadcasting production team , which has experienced Beijing Olympic Games, Guangzhou Asian Games and other major international sports events and can speak English fluently and independently complete the whole process from formulation to implementation of broadcasting solutions.



Future Plan

2018年

A

Set up offices in multiple regions and continue to enlarge market share

B

Successfully open the markets of Japan and Southeast Asia

C

Strive to become a top-level sports broadcasting company in Asia



THANKS

Touch Video Live Broadcast Resource
Corp.

February 2018