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is a portable LED screen to take your events to the next level. With 17ft x 10ft high resolution LED display, MB-15E can be widely used in large events streaming. This enclosed trailer is built with fiber glass-reinforced plastics and make it high quality on surface. It can also protect the LED screen from rain, sunshine, wind, dust and sand.

The stable hydraulic system can make the LED screen to fold and rotate. Screen can be lifted up to a higher position when you need to display at the event. It offers best viewing angles for your

MB-15E LED trailer is your reliable partner for events like musical, games, sports, concerts, tailgating, graduation ceremonies, scoreboards, golf tournaments, demo-days, fairs, movie nights, parties, weddings, races, marathons, charity events, tent sales, political campaigns and much more creative events.





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GOLF

























PARADE















CHURCH WORSHIP







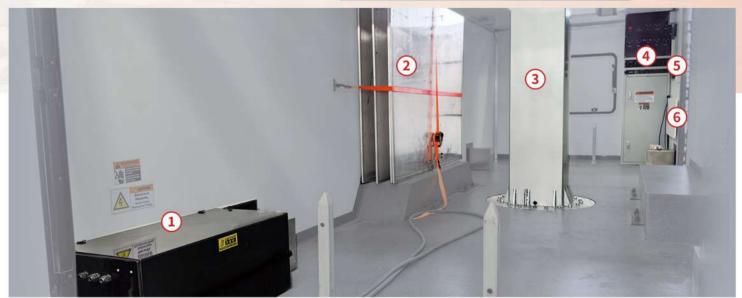












# **Trailer Advantages**



## COMPLIED WITH DOT, U.S. REGISTRATION APPROVED

MOBO LED screen trailers comply with US DOT regulation. Each VIN of our trailers can be decoded on NHTSA(National Highway Traffic Safety Administration) system. You will get all necessary paperwork to register your trailer in the United States.

Components of our trailers such as LED lights, tires, coupler, braking system, plug cord, electric cables etc are also DOT approved.



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## ENCLOSED TRAILER WITH HIGH PROTECTION

The enclosed structural design can protect the LED screen from rain, sunshine, wind, dust and sand. The beautiful classic enclosed trailer design can also attract more sights, impressions and visual experience in your event.

#### **ALUMINUM ALLOY RIMS & LARGER TIRE**

Our Aluminum alloy rim and 265/70R16 larger size tires for you are lightweight but strong, withstand heat well and are generally more attractive than steel wheels.



#### HIGH STRENGTH RIGID TRAILER CHASSIS

Our trailer chassis is constructed with high grade materials to carry hydraulics and LED screen weight, extending chassis ride-life and offer advanced corrosion protection.



#### **SMALL TRAILER FOOTPRINT**

When screen folded, MOBO trailer has low height to drive on road with high safety. After parked, our trailer footprint is also small and does not take up any extra space. You can easily store the trailer or operate the trailer in limited space.



#### **BREAK AWAY KITS WITH HIGH SAFETY**

Our break away kits can ensure the LED screen trailer to stop in an emergency and avoid potential accidents while you are driving. It is made of premium PP material, rustproof, not easy to break, sturdy and durable.



#### INTEGRATED MEDIA CONTROL CABINET

The media control cabinet is standing next to the side door. You can control all operations on the cabinet panel. Amplifiers and video processor are installed on rack and there is also a foldable table to place your laptop and other equipment like extra monitors.

## **MOBC**

## **Trailer Advantages LED Screen Features**

## SMALL PIXEL PITCH & MAX. 4K RESOLUTION SOLUTION

MOBO trailer outdoor LED screen can give you small pixel pitch from 1.9mm, 2.9mm, 3.9mm, 4.8mm etc. Our highest screen solution can reach 4K visual performance to display your videos and images.

MOBO trailer LED screen will supply your event with stunning visual effects!



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#### HIGH BRIGHTNESS AGAINST SUNLIGHT

With a great brightness of 5500nits (optional max. 7500nits), MOBO trailer LED screen clearly delivers content for outdoor visibility under strong sunlight. The screen brightness can be automatically adjusted depending on the ambient light at different time. MOBO trailer screen will offer a very comfortable brightness for your event.

## HIGH REFRESHING RATE WITH SMOOTHER VISUAL EXPERIENCE

Our screen are 3840 Hz high refreshing rate with good photography effect. It contributes to stunning visual fidelity and incredibly smooth motion particularly in your fast-moving scenes, like watching sports, musical streaming or while playing video games.



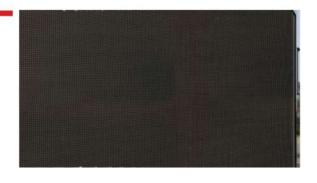


#### LIGHT SCREEN WEIGHT, DURABLE CABINET

The die-casting Aluminum alloy cabinet structure is only 16.5lbs per cabinet. It is not easy to deform while greatly reducing the trailer weight. The screen and frame on MOBO trailer are also portable and light by visually appealing. You will get an impressive and shocking mobile LED screen.

### **GREAT FLATNESS LEVEL ON LED PANEL**

MOBO trailer screen use high precision LED mask, PCB board and bottom shell. Skilled workers can assemble LED modules and cabinets well to make the whole screen flat. You will not have the problem of worst image presentation caused by flatness when you play the videos on MOBO LED trailer.



#### **IP65 PROTECTION LEVEL**

Our LED screen is designed for all-weather use in outdoor environment. The high protection grade of IP65 ensures durability, reliability, anti-ultraviolet properties, and stability. The high-standard sealing protection ensures the LED display cabinet dustproof, waterproof, and corrosion-resistant. The trailer will offer you with longer lasting service life.

#### FRIENDLY MAINTENANCE DESIGN

MOBO trailer screens are designed with cableless and pluggable power supply fast connection. Receiving card and power supply are in one detachable box. Even a beginner can easily learn how to disassemble of screen cabinet back cover and quickly plug in new spare parts.





#### LIFTING & ROTATING LED SCREEN

MOBO trailer LED screen has a standard lifting height of 19.3ft from the platform (can be customized with higher position). The screen can also be continuously rotated with 360 degree. The hydraulic operation is highly stable and can improve the interaction between screen and audience in your event. It greatly creates a better visual experience for you!

## **Trailer Advantages**



#### REMOTE CONTROLLER & WIRE CONTROL

MOBO trailers have two hydraulic operating modes. You can easily operate the hydraulics with our remote controller at a safe distance. The panel wire control is also available for optional use.



#### ONE WORKER, 20 MINUTES SETTING UP

After you park MOBO LED screen trailer, the screen set up can be easily done in about 20 minutes by one operator. With convenient hydraulic operation, MOBO LED trailer can greatly reduce your cost to set up the screen in all kinds of events.



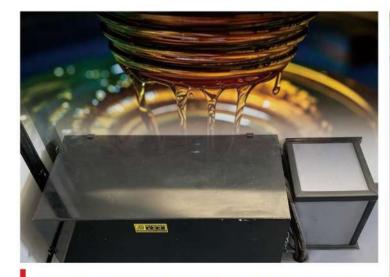
#### **NOVASTAR VIDEO PROCESSOR**

MOBO trailer uses NovaStar VX400 video processor as standard signal output equipment for trailer screen. This video processor can receive a variety of video signals such as SDI, HDMI, DVI etc. It processes high-resolution images and videos to present you with an excellent image display experience.



#### OTHER OPTIONS FOR TRAILER

Trailer Wrap
Top Performance Screen
On-board Silent Generator
23' x 13' Maximum Screen



# AVIATION HYDRAULIC FLUID WORKING IN EXTREME WEATHER

All MOBO LED screen trailers use aviation hydraulic fluid. It is very high viscosity index for use over a wide temperature range in extreme climatic conditions, and has excellent wear protection in operaing environment. We use high reliable materials to make hydraulic system safer for you.

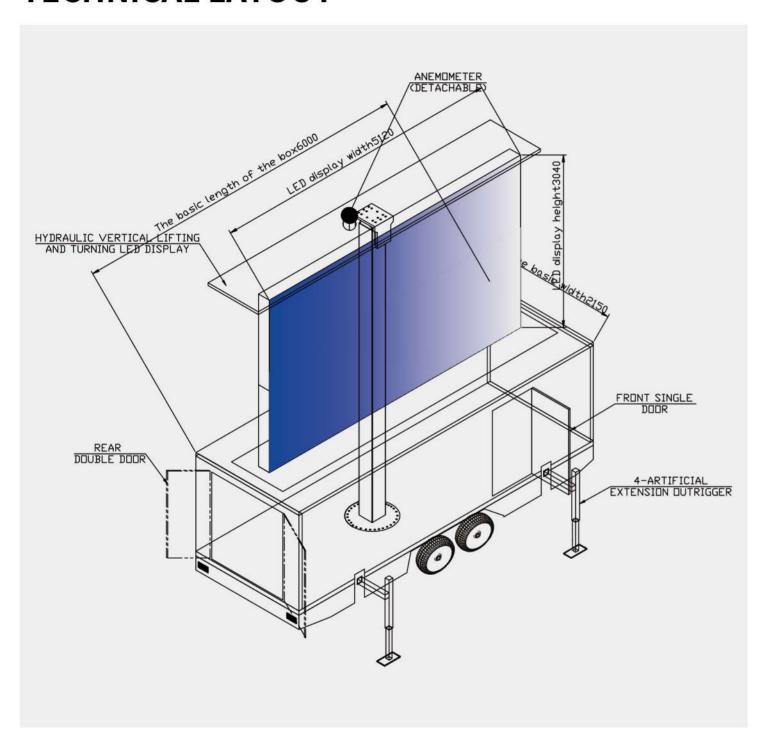


#### WINDPROOF & WIND SPEED SENSOR

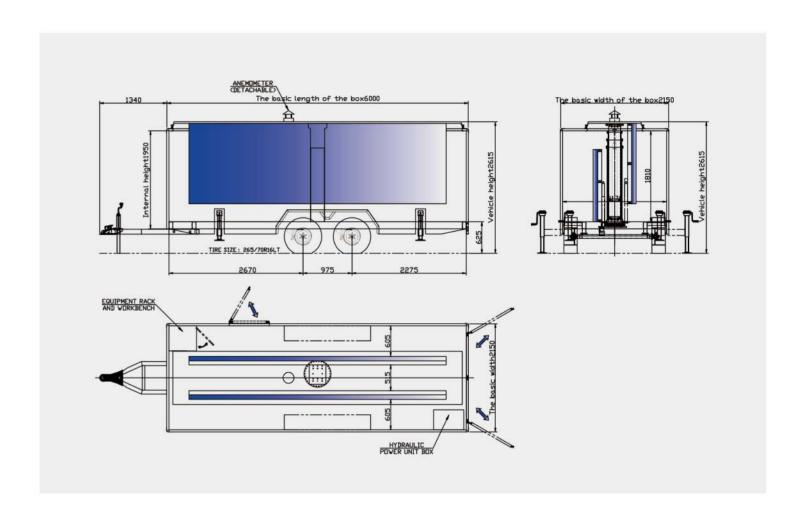
MOBO LED screen trailers have wide and heavy trailer chassis frames. 4 stabilizers at corners are extended out and offer strong stability for the whole trailer system after lifted up. There is wind speed sensor with alarm on roof and offers a safe working environment for your events.

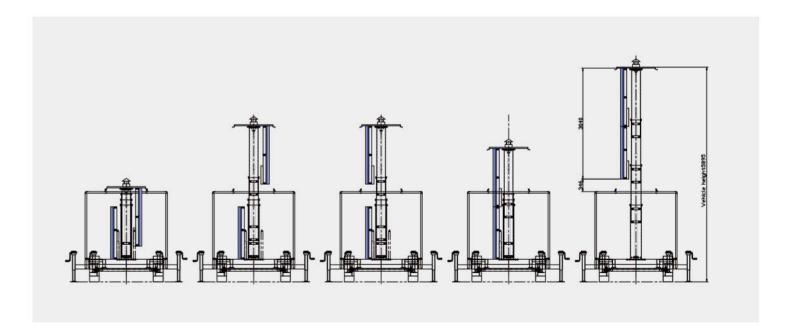


## **TECHNICAL LAYOUT**











## **TRAILER PARAMETERS**



#### **Trailer Chassis**

Enclosed Trailer Type Transport Dimension (with drawbar) 24' x 7' x 8.58' 24'x 7' x 19.3' Operating Dimension (with drawbar) Gross Vehicle Weight Rating(GVWR) 8,500 LBS Tandem **Axles** LT265/70R16 Tires Rim 8" x 16", Aluminum Alloy

Electric and Hand Brake Brake

**Brake Away System** 

2-5/16" Dia Ball Coupler

Grey, Black, White or Custom Color Color

4 sets Stabilizers 45 MPH **Wind Rating US DOT Road Approval** 

LED Screen Parameter **LED Screen Brand** LongRun or Custom Screen Dimension (Ft/mm) 16.4'W x 9.84'H/ 5000mm x 3000mm Pixel Pitch 2.97 3.91 4.81 1680p x 1280p x 1040p x Screen Resolution 980p 768p 624p LED Module Size (mm) 250 x 500 500 x 500 x 80 / 500 x 1000 x 80 LED Cabinet Size (mm, L×W×T) **Cabinet Material** Die Casting Aluminum Standard Brightness(Nits) 4000-4500 5000-5500 5000-5500 ≤7500 ≤7500 Optional Highest Brightness (Nits) ≤5500 Max. Refreshing Rate(Hz) ≥3840Hz 1/21 1/16 1/13 Scanning Code Grey Scale(Bits) 14 ≥5000:1 **Contrast Ratio** 140/140 Horizontal/Vertical View Angle(Degree) Input Voltage/Frequency 110V~240V, 50~60Hz

**Protection Grade** IP65 Control System NovaStar ≤640 Max. Power Consumption (Watt/m²) Avg. Power Consumption (Watt/m²) ≤295 -4F ~ 175F **Working Temperature Protection Grade** IP65 (Fully Waterproof)



## Hydraulic Mechanical Parameter

Screen Lifting Height(top to ground) 19.3ft

360 Continuous **Screen Rotating Degree** 

Remote Controller + Wire Control Control Mode

3KW **Motor Power** 11KPa **Nominal Pressure** 

Oil Type Aviation Hydraulic Fluid

**Overheat Protection** 

#### **F**●●● Media Control System

120Watts x 4 Sets Speakers(Watts) **Amplifier** 660Watts x 1 Set NovaStar VX400 Video Processor

Input Resolution Up to 1920 x 1200p @60Hz

DPx1, HDMlx1, VGAx2, DVlx1, CVBSx2, SDlx1 Video Input DVI Loop x1, DVI x1, VGA x1, SDI Loop x1 Video Output

**Audio Input** 1/8inch(3.5mm)



## Power System Parameter

9,600 Watts Max. Screen Power Consumption Avg. Screen Power Consumption 4,425Watts Other Equipment Power Consumption 2,100 Watts

(Speaker, Amplifier, Video Processor etc)

Input Voltage 120V

50A Breaker x 2 Sets Plug Type



## Dptional Equipment List

**Power Generator** Super Silent Inverter Generator

Trailer Wrap Customized

**Customize LED Screen Brand** 

Extended from 3 Years to 5 Years **Warranty Extending** 





# **APPLICATIONS AND CASES**























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## **-MOBO**

## WHY CHOOSE MOBO?

## **Prime Quality LED Trailer**

#### · We Are A Tustful Brand

MOBO trailers have unique beautiful curve shape designs and our trailers will take your brand to the next higher level by increasing more sights, impressions and better visual experience in the event.

We reorganize our best factory and LED screen supplier in China to build the trailer with high quality complying USA standard at competitive price. This is why MOBO trailers are so welcomed by USA government, as well as small and medium event companies.

## **Affordable Price**

#### · Help You Make Profits Fast

The price of MOBO LED screen trailers is quite friendly to our clients, especially who start the new business with our trailers. We also offer financing plans for clients who are lack of funds.

MOBO only keep reasonable profits to grow our market. You only need to invest less money to buy the trailer, but can collect back your investment in short time and start making profits quickly.

## **Turnkey Delivery**

#### From MOBO Factory to Your Door

MOBO are always committed to improving our service for you. Our LED screen trailers are well loaded and protected in the container after production and ship to your door or warehouse with high safety.

After placing the order, you only wait for our driver's call to receive portable LED screen trailer and start your business!

## 3 Year Warranty

## Keep Improving After-Sale Service

MOBO offer a 3-year warranty of our LED screen trailers. Terms and conditions apply. We believe in supporting customers from point of purchase, all the way through to maintenance and repair.

Our engineers are ready for remote technical consulting or onsite service. Our parts are available for despatch delivering from our warehosue in the USA or factory base by DHL or FedEx.

We take the hassle and headache out of maintenance, helping you to run efficiently, minimize your downtime and keep your LED screen trailers running - day-in, day-out.

## **CONTACT US**

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