INTERNSHIP REPORT

LED VISION (LED Rental Service)

SUBMITTED TO

DEPARTMENT OF MANAGEMENT STUDIES (MBA-INTEGRATED)

GOA BUSINESS SCHOOL

IN PARTIAL FULFILMENT FOR THE AWARD OF THE DEGREE OF

MASTER OF BUSINESS ADMINISTRATION (INTEGRATED:

HOSPITALITY, TRAVEL AND TOURISM)

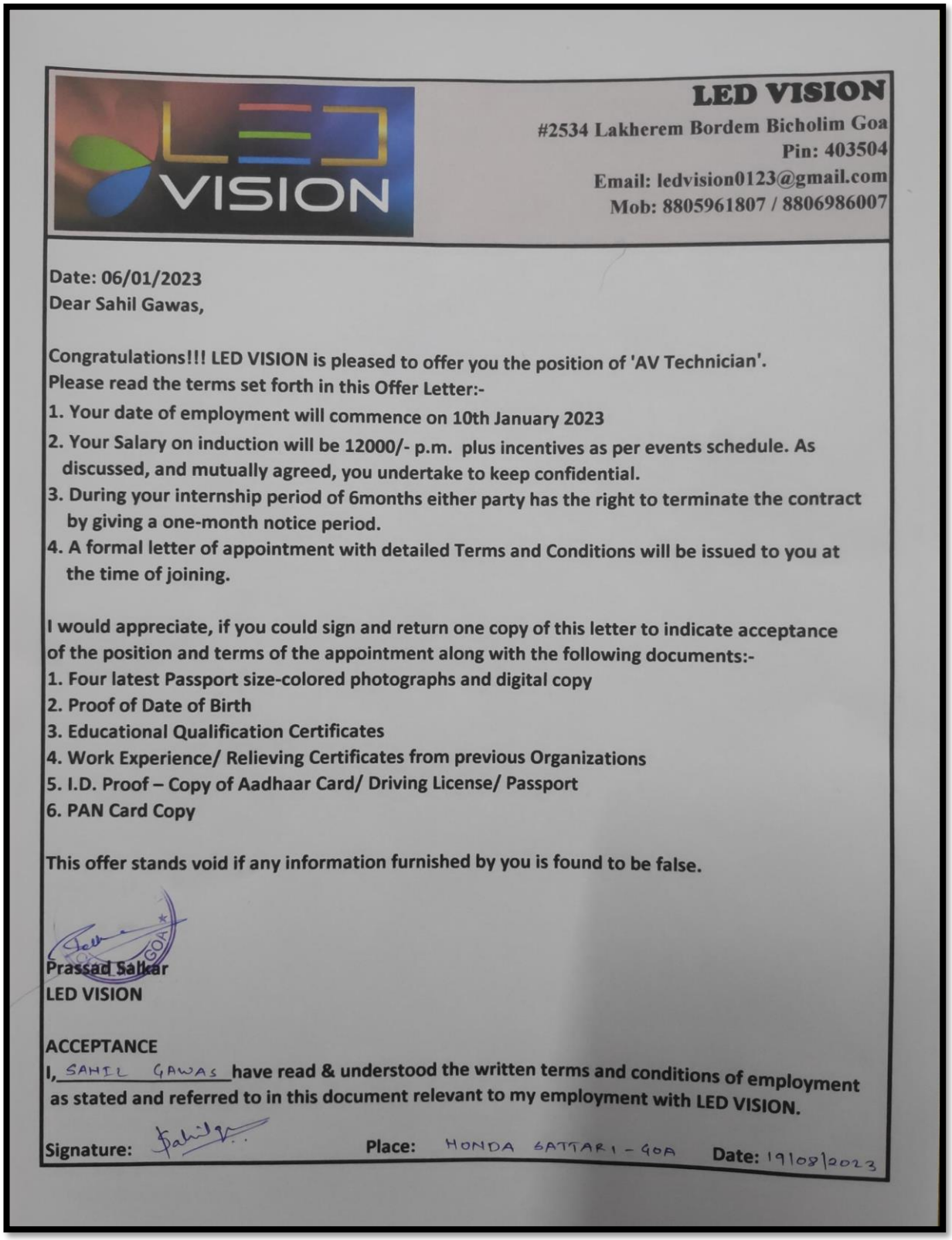
BY

(SAHIL CHANDRAKANT GAWAS)

(1810)

AUGUST 2023

OFFER LETTER



LED VISION
#2534 Lakherem Bordem Bicholim Goa
Pin: 403504
Email: ledvision0123@gmail.com
Mob: 8805961807 / 8806986007

Date: 06/01/2023
Dear Sahil Gawas,

Congratulations!!! LED VISION is pleased to offer you the position of 'AV Technician'.
Please read the terms set forth in this Offer Letter:-

1. Your date of employment will commence on 10th January 2023
2. Your Salary on induction will be 12000/- p.m. plus incentives as per events schedule. As discussed, and mutually agreed, you undertake to keep confidential.
3. During your internship period of 6months either party has the right to terminate the contract by giving a one-month notice period.
4. A formal letter of appointment with detailed Terms and Conditions will be issued to you at the time of joining.

I would appreciate, if you could sign and return one copy of this letter to indicate acceptance of the position and terms of the appointment along with the following documents:-

1. Four latest Passport size-colored photographs and digital copy
2. Proof of Date of Birth
3. Educational Qualification Certificates
4. Work Experience/ Relieving Certificates from previous Organizations
5. I.D. Proof – Copy of Aadhaar Card/ Driving License/ Passport
6. PAN Card Copy

This offer stands void if any information furnished by you is found to be false.

Prassad Salkar
LED VISION

ACCEPTANCE

I, SAHIL GAWAS have read & understood the written terms and conditions of employment as stated and referred to in this document relevant to my employment with LED VISION.

Signature: Sahil G. Place: HONDA SATTARI - GOA Date: 19/08/2023

INTERNSHIP (COMPLETION) CERTIFICATE

LED VISION

CERTIFICATE OF COMPLETION

This Certificate is presented to

Mr. *Sahil Chandrakant Gawas*

He has successfully completed his Internship program Starting from
10th January 2023 to 9th July 2023

We found him sincere, hardworking, dedicated and result oriented. He worked well as a part of the team during his tenure. We take this opportunity to thank him and wish him all the best for his future.

LED VISION BICHOLIM - GOA

Stamp and Signature

ACKNOWLEDGMENTS

I greatly appreciate the pivotal role that various individuals played in the successful completion of my internship. Aside from my personal efforts, I am cognizant of the fact that the accomplishments during this period were a result of collective encouragement and support. Working alongside such talented individuals has been an enriching experience. Their camaraderie, willingness to share knowledge, and cooperative spirit have undoubtedly enhanced the quality of my work and overall internship experience. From the encouragement of mentors to the practical assistance of fellow interns, each contribution has played a vital role in my achievements. In conclusion, I express my deep gratitude to all those who have been a part of my internship journey. Your support, whether overt or subtle, has been invaluable, and I am truly humbled by your generosity. As I move forward in my career, I will carry the lessons learned and the relationships forged during this internship with me. Thank you once again for making this experience a meaningful and transformative one.

I am acutely aware that my success was not possible without the direct and indirect assistance of numerous individuals.

I would like to thank Prof. K.G. Shankaranarayanan: Program Director , Dr Albino Thomson:Assistant Professor , Mr Kevin D'souza: Assistant Professor , Dr Poonam Sadekar: Assistant Professor , Ms Sujal Naik: Assistant Professor , Mr Sadanand Gaonkar: Assistant Professor , Dr Paresh Lingadkar: Assistant Professor

Administrative staff - Ms Shilpa Shirodkar , Mr Kishor Nagvekar , Mr Naresh Salgaonkar , Mr Sarvesh Vaigankar

EXECUTIVE SUMMARY

During my internship as a LED screen operator, I had the invaluable opportunity to work hands-on with cutting-edge technology that plays a significant role in the world of visual displays. Operating LED screens required a keen eye for detail and a thorough understanding of the equipment's functionalities.

I was responsible for setting up and configuring the LED screens for various events, ensuring that they delivered optimal visual quality. This involved collaborating closely with event organizers to understand their specific requirements and tailoring the display settings accordingly. Additionally, troubleshooting technical issues in real-time was a crucial part of my role, which honed my problem-solving skills under pressure.

The internship exposed me to the importance of teamwork, as I collaborated with technicians and event staff to synchronize the LED displays with the overall event setup. Operating the LED screens demanded precision and quick thinking, as adjustments often needed to be made on-the-fly to adapt to changing lighting conditions and audience preferences.

Overall, this experience deepened my technical expertise in operating LED screens, enhanced my ability to work in dynamic event environments, and provided me with a strong foundation for a potential career in the field of visual technology and event management.

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1.1. Bird eye view

1.1.1 LED VISION

A video wall is a special multi-monitor setup that consists of multiple computer monitors, video projectors, or television sets tiled together contiguously or overlapped in order to form one large screen. Typical display technologies include LCD. panels, Direct View LED arrays, blended projection screens, Laser Phosphor Displays, and rear projection cubes.

Jumbotron technology was also previously used. Diamond Vision was historically similar to Jumbotron in that they both used cathode-ray tube (CRT) technology, but with slight differences between the two. Early Diamond vision

displays used separate flood gun CRTs, one per subpixel. Later Diamond vision displays and all Jumbotrons used field-replaceable modules containing several flood gun CRTs each, one per subpixel, that had common connections shared across all CRTs in a module;

the Screens specifically designed for use in video walls usually have narrow bezels in order to minimize the gap between active display areas, and are built with long-term serviceability in mind. Such screens often contain the

hardware necessary to stack similar screens together, along with connections to daisy chain power, video, and command signals between screens. A command signal may, for example, power all screens in the video wall on or off, or calibrate the brightness of a single screen after bulb replacement (in Projection-based screens).

Reasons for using a video wall instead of a single large screen can include the ability to customize tile layouts, greater screen area per unit cost, and greater pixel density per unit cost, due to the economics of manufacturing single

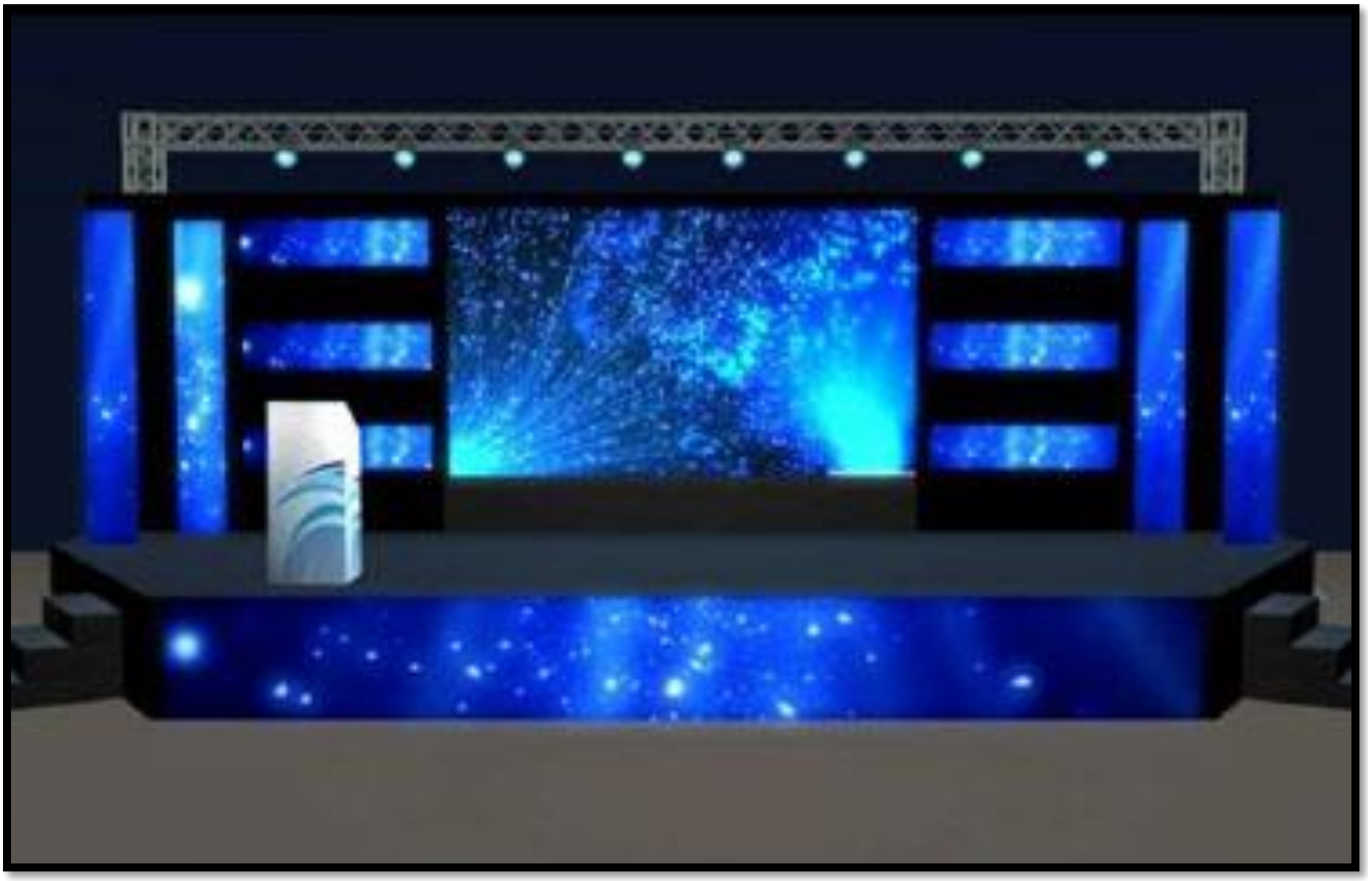
screens which are unusual in shape, size, or resolution. Video walls are sometimes found in control rooms, stadiums, and other large public venues. Examples include the video wall in Oakland International Airport's baggage claim where patrons are expected to observe the display at long distances, and the 100 screen video wall at McCarran International Airport, which serves as an advertising platform for the 40 million passengers passing through airport annually.

Video walls can also benefit smaller venues when patrons may view the screens both up close and at a distance, respectively necessitating both high pixel density and large size. For example, the 100-inch video wall located in the main lobby of the Lafayette Library and Learning Center has enough size for the distant passer by to view photos while also providing the nearby observer enough resolution to read about upcoming events. Simple video walls can be driven from multi-monitor video cards, however more complex arrangements may require specialized video processors, specifically designed to manage and drive large video walls. Software-based video wall technology that uses ordinary PCs, displays and networking equipment can also be used for video wall deployments.

1.1.2 What is Active LED video Wall ?

A video wall is made up of many displays that work together as a cohesive unit to display content. Displays typically have very thin bezels to minimize the gap between display areas. You've probably seen video walls in a TV studio or

control room, a shopping mall, an airport, or at a large sports stadium or entertainment venue. Although some video walls are hundreds of feet high and wide, they can also be used to create impact in smaller venues where people view displays up close.



LED technology is used for video walls because each LED display is capable of generating sharp, bright images. Instead of relying on backlit images, LEDs produce their own brightly lit images and deliver the best refresh rates of any video wall technology. Also, LEDs don't get hot or burn out, which makes LED video walls very efficient, durable and long-lasting.

As pixel density continues to increase, resolution continues to improve. However, pixel density should be chosen based on the average proximity of viewers. Pixel density is calculated by the pitch. A finer pitch, or distance between LEDs, is required when viewers are closer to the video wall. For example, a relatively small display in a conference room will have a finer pitch than a large outdoor display at a sporting event.

Images are split among many screens using a hardware-based controller or a software-based PC and video-card controller. While a hardware-based controller offers high reliability and performance, it lacks flexibility. There are also limitations with pixel resolution, and you can't display multiple inputs simultaneously. A software-based PC controller includes special multiple-output cards, and some include video capture input cards. The primary advantage of the software-based controller is that it can support multiple applications and use the full pixel resolution of the video wall.

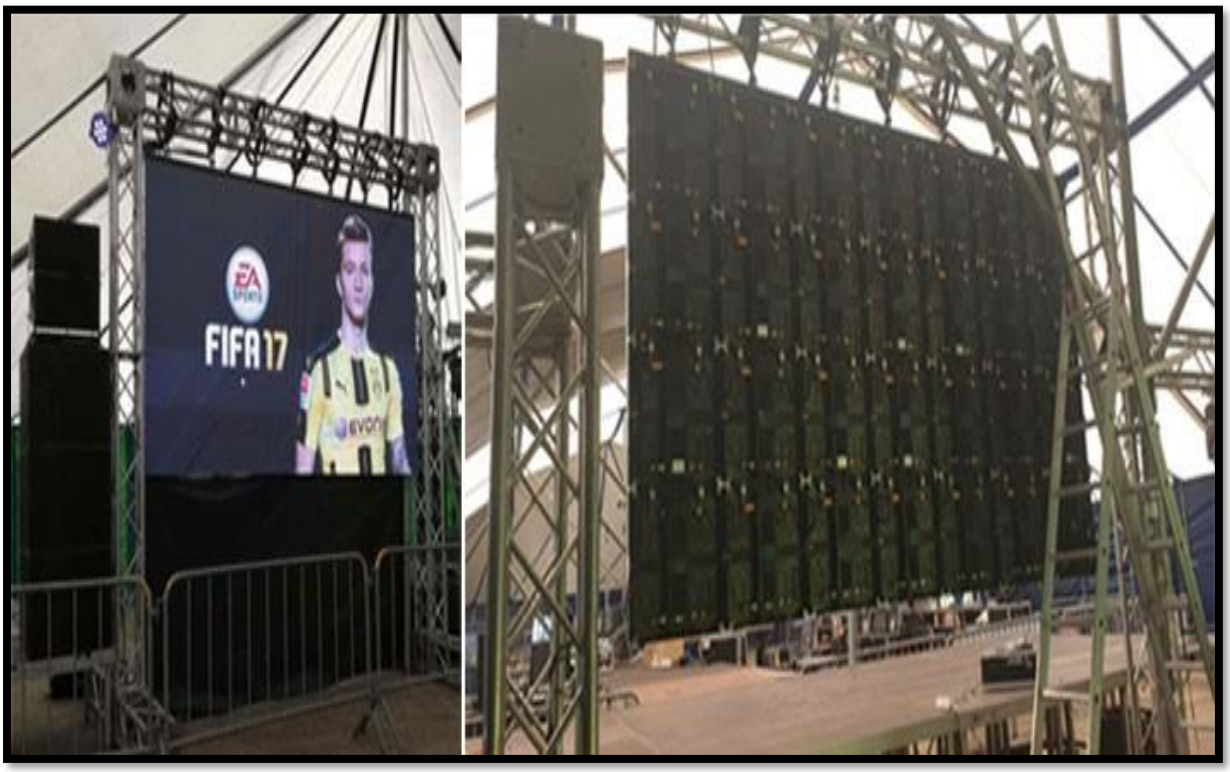
1.1.3 5 Things you need to know about LED Screen

Part 1: What is the rental LED display?

Rental led display literally means the LED display for the rental market. It is also called led display rental or led display for hire. Literally speaking, it should include all the LED displays which are rentable such as permanent installation LED billboard display for advertising, mobile LED display trailer for live broadcasting and even perimeter banner LED video display, etc.

Part 2: Types and applications of rental LED display

Defined by its application environment, the rental LED display is divided into indoor rental LED display and outdoor rental LED display. Normally, for the same series rental LED display, both indoor and outdoor models share the same panel design and could be installed on one screen.



Part 3: Advantages of rental LED display

Speed and efficiency are two vital elements of AV rental companies. When referring to event preparation, it is normally an integration of many different types of equipment like audio, video, lighting, truss frame, stage set-up, chairs, carpets, etc. All this stuff has to be arranged and configured ready before the event within a very limited working time.

Part 4: Installations of rental LED display

A good concert rental LED screen not only gives the audience a good visual experience but also adds to the overall theme of the stage. There are three common forms of rental LED screen design for concerts today. Let's take a look at the following:

According to the framework of the stage, the concert rental LED screen is the main stage, and the stage of the position of the light is left around the screen of each unit Such a stage is also quite common, and the stage structure of the stage is built in a deep manner. The screen is suspended on the stage frame, and a computer light is hung between the screen and the screen. It is the depth and patchwork of the screen that leads to the disappearance of the stage to the far side, so that the depth of field of the whole picture becomes longer, resulting in a strong perspective effect, and leaving space for so many lights hanging and playing on the side. the whole stage also has a good atmosphere and dynamic, and also expressed the theme of this party. However, the stage structure will appear to be relatively simple and not vivid.

Part 5: Peripheral equipment for rental LED display

Somehow, the rental LED display still belonging to the category of the monitor. It is capable of showing any kind of content. But it can only receive certain kinds of signals. Therefore, you should buy other equipment according to what

signals will be connected to the LED display. Here are some peripheral devices for the rental LED display.

1.1.4 Mission values and business objectives of the company

MISSION:

- To provide better service to the client
- Give client the high quality service with their innovative and creativity ideas to solve client any problem
- Give clients a wonderful experience by putting their needs first.
- To cater the needs of clients with their expertise

Values :

- Commitment to client needs or service
- Blinding strong network with clients
- Being creativity

Objective:

- The main objective is to provide basis of services assurance, reporting and services improvement.

- To be preferred services provider in the led rental company.

1.1.5 Swot analysis

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1.2 Product / Service

Rental led display literally means the LED display for the rental market. It is also called led display rental or led display for hire.It should include all the LED displays which are rentable such as permanent installation LED billboard display for advertising, mobile LED display trailer for live broadcasting and even perimeter banner LED video display, etc.

Rental LED display service from manufacturers refer to such an LED display with the very lightweight, slim and sleek panel, support fast set up and dismantle, and could be removable. For instance, the led display for the concert, mobile stage background, and music festival ,conference and etc where the LED display just is there for a few days or for a certain period of time, then it will be taken down and transported to other locations for new events.

The rental LED display is categorized into indoor and outdoor rental LED display. Normally, for the same series rental LED display, both indoor and outdoor models share the same panel design and could be installed on one screen.

Indoor rental LED display is usually used for indoor events like exhibition, fashion show, car show, wedding and conference room etc where require no waterproof on the LED display and no need high brightness. But the led display has to be qualified to deliver the high image quality and high visual performance.

Outdoor rental LED display is widely used for outdoor events like sports venues, touring, concert, music festival, college events etc where to require the LED display has to be waterproof (IP65 or IP54) and high brightness (more than 5000nits). Considering the viewing distance, such outdoor events are not very picked on the pixel pitch but pays more attention to its durability and stability.

What Are the Precautions for Rental LED Screen for Stage?

LED rental screens

- have become increasingly popular for various commercial events, such as dance parties, product launches, exhibitions, sports stadiums, theaters and more. Especially in stage rental, the aluminum-cast design of LED screens makes them lightweight and easy to install. Additionally, LED screens offer high resolutions, compatibility with control systems, and ease of operation. However, there are several important factors that need to be considered when it comes to rental LED stage screen. HSC LED shares seven key considerations below:

Choose a Reputable Company

- Selecting a company with a professional LED rental team is crucial. The display screen quality must be top-notch, and the after-sales service should be efficient and timely.

Book in Advance

- LED screens often require advance booking to ensure availability during the event time frame.

Confirm Equipment Quality

- Rental prices for LED screens vary depending on rental duration, screen size, and type. Properties such as uniformity, brightness, viewing angles, color gamut, and dead pixels can all affect the performance of the screen during an event. Therefore, it is essential to confirm the quality of the equipment beforehand.

Determine the Right Shooting Distance

- Different LED screens with different dot pitches and fill factors require different shooting distances. For example, if the dot pitch is 4mm and the fill factor is 60%, the ideal distance between the subject and the screen is between 4-10 meters.

Ensure the Right Environment

- LED screens are composed of control boards, switch power supplies, and light-emitting devices. The lifespan and stability of these components are closely related to the working temperature. If the actual operating temperature exceeds the specified range, the lifespan of the products will be shortened, and the products themselves will also be seriously damaged.

Hire Professional Technicians

- It is recommended to hire professional technicians to install, configure and operate the equipment to ensure that it works properly and meets event requirements.

Ensure Equipment Safety

- Follow necessary safety measures during installation and use of LED screens to avoid any safety hazards.

Task Handle

1.Setting up of LED screen for an event: Connect the two display sections the two sections contain the preassembled panels, integrated image processor, and media player, connectivity panel integrated into the frame, and one power cable.

Step 2: Mount the display on the wall (or onto the optional motorized stand)

Step 3: Apply LED tiles, plug the power cord into an outlet and enjoy your content.

2. Screen configuration :

Basically, Wiring and Connection -there are 2 ways to connect led display with the content player and PC. FIRST METHOD -Network connection with ethernet cables and SECOND METHOD - WI-FI access point connection

STEP 2: Downlaod and install the content on the screen

STEP 3:Confiruring the LED display with software

- **Learning**

1.Improved communication skills:

Employees will be better able to communicate with each other and share ideas when they have had time to practice communicating in a constructive manner.

2.Improve knowledge

Development is the process of improving oneself to accomplish personal and professional goals. Feedback from others helps you to identify the current level of your knowledge and skills. By Identifying the current level of your knowledge and skills you can provide a baseline upon which to create your self-development

3.Improve development skill

Personal development skills are qualities and abilities that help you grow both personally and professionally. In other words, they are skills that help you nurture your personal development. Understanding and improving these skills is a process also known as self-development or personal growth.

Challenges

The heating of LED displays is very serious, and the serious heating has always been the sword of Damolix hanging over the head of LED display manufacturers - it is difficult to resolve, and it is also an important information that LED display manufacturers will not tell customers.

LED screen vendors can face several challenges in their industry, including:

1. Competition: The LED screen market is highly competitive, with numerous vendors vying for customers. Standing out requires innovative products, better pricing, and exceptional customer service.

2. Technological Advancements: Rapid technological changes can make existing products quickly outdated. Vendors need to keep up with the latest developments to offer cutting-edge solutions.

3. Quality Control: Maintaining consistent quality across a large number of LED screens can be challenging. Defective products can damage a vendor's reputation and lead to costly replacements.

4. Supply Chain Issues: Sourcing reliable components and ensuring a steady supply chain is crucial. Disruptions in the supply chain can lead to production delays and increased costs.

5. Customization: Clients often have specific requirements for their LED screens. Meeting these customization needs while maintaining efficiency and cost-effectiveness can be a balancing act.

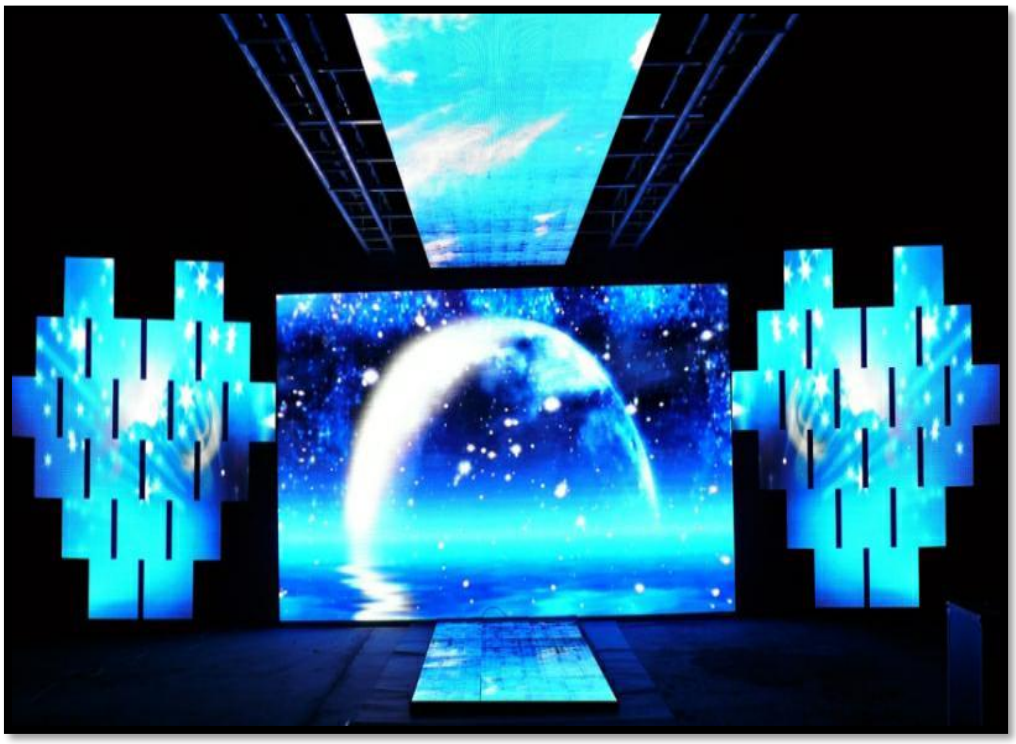
6. Installation and Maintenance: Ensuring proper installation and offering efficient maintenance services are important for customer satisfaction. Complex installations and technical issues can arise, requiring skilled personnel.

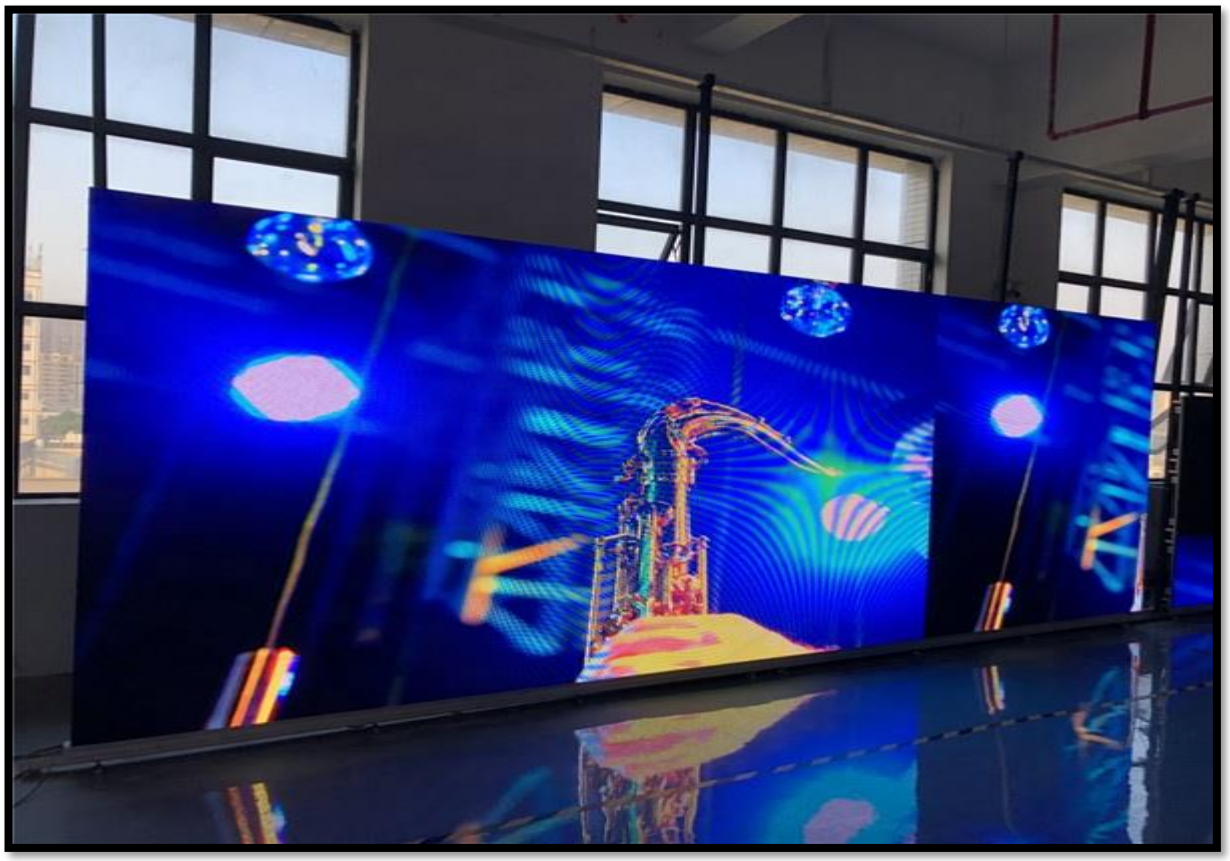
7. Environmental Concerns: LED screen vendors may face pressure to adopt more environmentally friendly practices, including reducing energy consumption and recycling old screens responsibly.

8. Regulatory Compliance: Different regions might have varying regulations related to LED screen usage, safety, and disposal. Vendors need to navigate these regulatory landscapes.

9. Price Volatility: Prices of components like LED panels can be subject to fluctuation. This can impact profit margins and the overall cost of the final product.

10. Global Economic Factors: Economic downturns can lead to decreased demand for luxury items like LED screens. Vendors need to be prepared for market fluctuations.






Thank you!