LED Screen Pre-Installation Site Survey Checklist

Use this before you quote or order parts. Most installation problems start with something nobody checked on site: the wall, the power, the cable route or the viewing distance.

When to use: Before quoting, ordering parts or fabricating the structure.

PROJECT / CUSTOMER _____ SITE _____

DATE _____ CHECKED BY _____

Screen and viewing

- ☐ Final screen width and height agreed with the customer (in mm, and in modules and cabinets)
- ☐ Closest and typical viewing distance measured, pixel pitch chosen to suit
- ☐ Indoor, semi-outdoor or fully outdoor location confirmed
- ☐ Direct sunlight on the screen face checked (morning, noon, evening), brightness chosen to suit
- ☐ Content type known: video, text, live feed, slides
- ☐ Mounting height and viewing angle from the main audience area checked

Structure and mounting

- ☐ Wall or structure type recorded: RCC, brick, steel frame, glass front, pole, truss
- ☐ Load capacity of the wall or structure confirmed by a competent person for the full screen weight
- ☐ Wind load considered for outdoor and rooftop screens
- ☐ Front or rear service access decided, and enough space left behind the screen for rear service
- ☐ Flatness of the mounting surface checked, packers or adjustable brackets planned if needed
- ☐ Ventilation path for heat planned, especially for enclosed or outdoor screens

Power

- ☐ Maximum and average power of the screen estimated from the module datasheet
- ☐ Supply available at site: single phase or three phase, voltage measured
- ☐ Dedicated circuit with correctly rated MCB and RCCB available or planned
- ☐ Proper earthing point available at the screen location
- ☐ Distance from distribution board to screen measured, cable size chosen for that distance and load
- ☐ Voltage stabiliser or UPS need discussed for areas with unstable supply

Data and control

- ☐ Location of the sending card, video processor or PC agreed
- ☐ Network cable route and length measured, distance limits of the cable type checked

- [ ] Internet or Wi-Fi needed for remote content updates confirmed
- [ ] Input sources listed: HDMI, PC, media player, camera, cable TV

Site access and permissions

- [ ] Working hours, access and parking for installation day confirmed
- [ ] Scaffolding, ladder, boom lift or crane needed and arranged
- [ ] Building owner, society or local authority permission checked for outdoor screens
- [ ] Photos and measurements of the site taken and shared with the team

Notes

Signature

Date

Free to use, print and share. These checklists are shared only to help the LED screen trade: no charge, no sign-up, nothing to buy. They are general guidance, not professional or engineering advice. Always follow the manufacturer's datasheets and instructions, local electrical rules and the advice of a qualified electrician or engineer. MG TechLink accepts no responsibility or liability for any loss, damage or injury arising from their use.

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