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# OVAB Europe White Paper Professional Display Mountings

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# Professional Display Mountings | Contents



Introduction	p. 3
Mounting Categories	p. 4
Safety Certifications	p. 5
Safety Recommendations	p. 6
General Recommendation	p. 7





- Professional display mountings are the backbone of every Digital Signage project
- Professional Digital Signage projects can only be successfully implemented with professional display mountings
- Professional display mountings differ from consumer TV-mountings in three points
  - High quality and ruggedized for safety reasons and long lifespan
  - Standardized safety certification for every product and model
  - Standardized interfaces for displays and fixings



Source: Unicol

# Professional Display Mountings | Categories



- Standing equipment
  - Fixed stands
  - Free standing stands with base plate
  - Trolleys



- Wall mounts
  - Single screen wall mounts (fixed/tiltable)
  - Wall arm mounts (fixed/swiveling)
  - Videowall mounts (fixed)
  - Videowall mounts (retractable)



- Ceiling mounts
  - Single screen ceiling mounts
  - Multiple screen ceiling mounts (videowall/back-to-back/spider)



- Housings
  - Outdoor housings (full/semi)
  - Indoor housings
  - Totems
  - Back covers

Source: Unicol



- **VESA:** Flat Display Mounting Interface (FDMI)/VESA Mounting Interface Standard (MIS) defines the interface between mount and display, particularly the standardized distance between the fixings
- **TÜV Rheinland:** Controls security and safety requirements for audiovisual mountings like stability, break resistance etc.
- **GS – Geprüfte Sicherheit:** Certificate for audiovisual mountings that has been tested according to standard security and safety requirements
- **UL 2442:** Requirements that apply to furnishing, shelves, brackets, and similar devices, that provide structural support for the mounting of audio/video equipment, information technology equipment, and similar products, to the building structure and are intended for indoor use only (USA)
- **BS8590:** Code of practice for the installation of audio visual equipment. Specification for the installation of audiovisual equipment in classrooms and general publicly accessible areas (UK)
- **BS EN 60065:** Audio, video and similar electronic apparatus. Safety requirements (UK)



- General: Mounting and fixings should be used according to manufacturer instructions and on site building material and structural implications should be taken into account
- Safety factor:
  - **All mounting systems** and fixings should be capable of supporting the combined mass of the complete mounting assembly and all equipment attached. Any extraneous loads identified in the risk assessment (peak loads) should also be taken into account and calculated with a safety factor of 5 (the 5:1 rule)
  - **Freestanding** equipment should be stable when in use. Freestanding trolleys and stands should have been subjected to and passed a recognized static load balance test by the manufacturer
  - Concerning **wall mounted** equipment, the wall structure should be strong enough to support the load. If the equipment is mounted away from the wall on an arm or extended bracket, the increased forces imposed on the fixings and wall
  - Where equipment is **ceiling suspended** in a public area, the minimum height should be 2.1 m to the underside of the equipment.



1. Consider before choosing the mounting
  - Display placement & orientation
  - Fixed installation vs. Flexible installation/rental
  - Cable management (esp. with extra slim mounting)
  - Heat management of the system
  - Display specifications (universal/exact match mountings)
2. Consider before installation:
  - Fabric/material of building/base
  - Specifications of fixing installation (e.g. concrete 50mm, wall arm mount 80mm etc.)
  - Distance from building/base (more than 60cm apply safety coil)
3. Consider safety specifications of the mountings and general safety recommendations (cf. p. 7)

# Contact



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