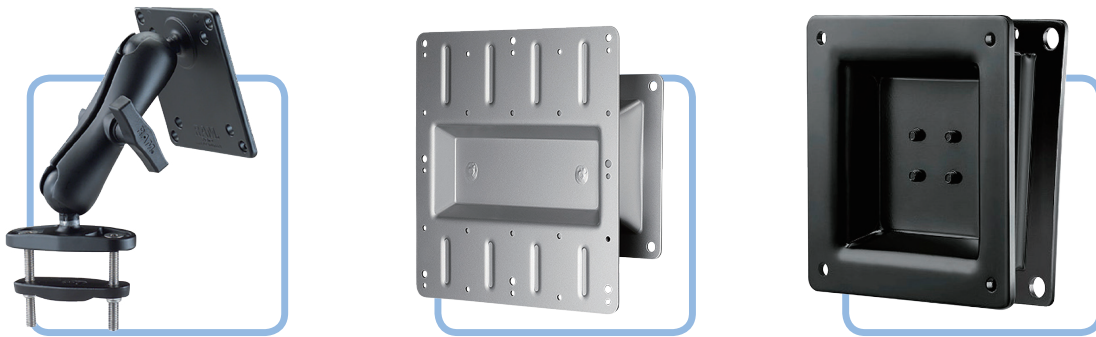


VESA Mounting

Video Electronics Standards Association has a collection of standards to help the interoperability of products within the electronics/ display industry. Besides standards for connectors, codecs and performance (e.g. DisplayPort), they have developed the Flat Display Mounting Interface (FDMI) also known as VESA® Mounting Interface Standard (MIS), usually abbreviated to VESA mount.

VESA mounting standard define the dimensions of a usually four (or six, in very large displays) screw-hole pattern on the rear or side of the display, and is used to attach the display on a stand, wall, or ceiling (overhead) mounting bracket.

Typical wall and desk brackets/ stands



The benefits of VESA mounting standards are:

- Low cost, standardized mounting interfaces for a broad range of flat display sizes and applications
- Low cost, standardized mounting interfaces to meet specialized needs and applications
- Full mounting and/or positioning flexibility of Flat Displays to provide ergonomic benefits, space savings and broad industry utilization of FDs
- Standardized mounting apparatus for low cost installation in a broad range of applications
- Access to all markets and applications for Flat Displays
- Significant economic benefits for all parties associated with the manufacture, sale, and use of Flat Displays (1)

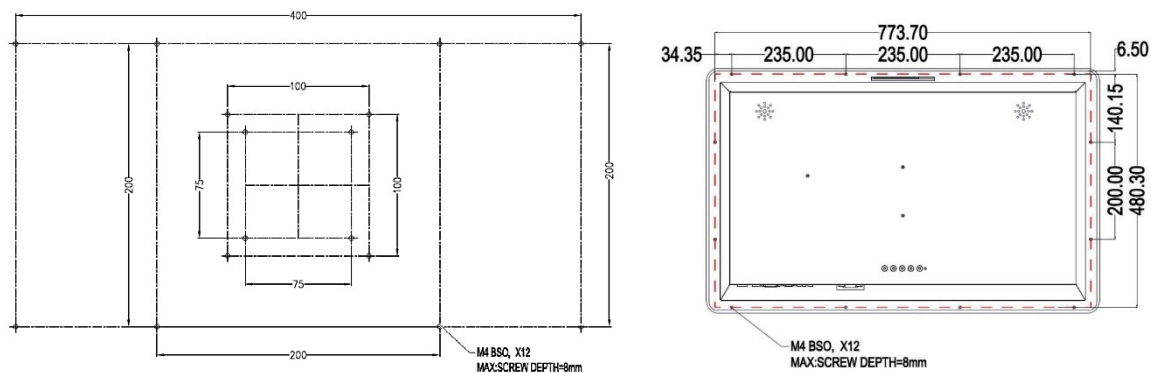
The original VESA pattern was the VESA 100 meaning a square pattern of distance 100mm X 100mm between holes. Later, a VESA 75 for smaller displays was introduced and in time standards were added due to the increase of screens diagonal size, VESA 200 etc.

On Advantech IDS products the most commonly used VESA mount patterns are in the table below:

Most common standards for Advantech IDS displays

VESA MIS Standard	MIS-D 75	MIS-D 100	MIS-E	MIS-F
Pattern	75 mm × 75 mm	100 mm × 100 mm	200 mm × 100 mm	200 mm × 200 mm
	75mm × 50mm	100 mm × 50 mm	200 mm × 50 mm	400 mm × 400 mm
				600 mm × 200 mm
				600 mm × 400 mm
				800 mm × 400 mm
Diagonal	12" – 22.9"		23" – 30.9"	31" – 90"
Max Weight	8kg	14kg	22.7kg	50kg up to 113.6kg

Examples in drawings of VESA (left) and non-VESA (right) mounting points.



Conclusion

- VESA mounting refers to a specific pattern according to the standards outlined
- While VESA is commonly referred by suppliers on non-standard patterns as a way to signify the display mounting points, that is not correct and might cause issues with customers expecting standardised mounting points
- The majority of bare TFT panels from suppliers as LG, AUO etc., often don't use the VESA standard, and brackets and a chassis must be designed to accommodate VESA mounting