

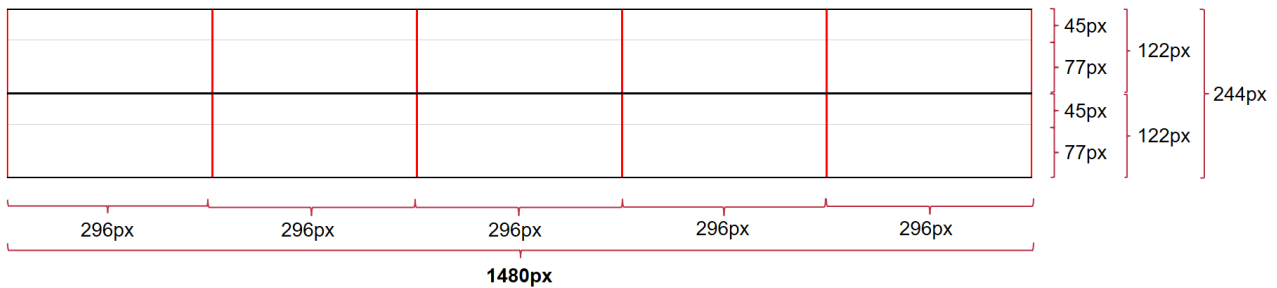


Transparent LED display content design

Title:	Transparent LED display content design	Version:	v1.0	Date:	16/06/2023
Product:	Commercial Display / Creative LED			Page:	1 of 3

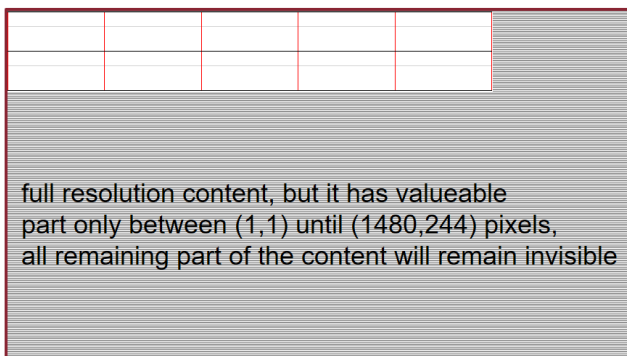
Calculating resolution

- usually LED screens did not have exactly HD (1366*768) / FHD (1920*1080) / UHD (3840*2160) standard resolution with 16:9 aspect ratio, therefore it is essential to know what is the exact **native resolution** of the screen and prepare content accordingly
- the sample transparent screen is built from **5*2 cabinets physically**, because of the customised size each cabinet has two receiving card, therefore the wall is **5*4 logically** (20 receiving cards in total)
- for our demo, our receiving cards have the resolution of 296*45px and 296*77px, this means **one cabinet has 296*122px**, the **total native resolution of the screen is: 1480*244px**



Creating content

- for content creation, it is recommended to use the **native resolution** of the installed screen to avoid any image distortion resulting by up- or downscaling
- it is simple to utilise the native resolution while it is embedded inside standard resolution video signal
- the **displayable content should be positioned to start from top left corner** (that is 1,1 coordinate) with the previously defined native resolution





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