

1440p

1440p is a family of video display resolutions that have a vertical resolution of 1440 pixels. The *p* stands for progressive scan, i.e. non-interlaced. The 1440 pixel vertical resolution is double the vertical resolution of 720p, and one-third (about 33.3%) more than 1080p. **QHD** (**Quad HD**) or **WQHD** (**Wide Quad HD**) is the designation for a commonly used display resolution of 2560×1440 pixels in a 16:9 aspect ratio. As a graphics display resolution between 1080p and 4k, Quad HD is regularly used in smartphone displays, and for computer and console gaming.

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Comparison of 1440p resolutions		
Resolution	Display aspect ratio	Megapixels
5120 × 1440	3.5̄:1 (32:9)	7.37
3440 × 1440	2.38̄:1 (43:18)	4.95
3200 × 1440	2.2̄:1 (40:18)	4.61
3120 × 1440	2.16̄:1 (39:18)	4.49
3040 × 1440	2.1̄:1 (38:18)	4.38
2960 × 1440	2.05̄:1 (37:18)	4.26
2880 × 1440	2:1 (18:9)	4.15
2560 × 1440	1.7̄:1 (16:9)	3.69
2304 × 1440	1.6:1 (16:10)	3.32
2160 × 1440	1.5:1 (3:2)	3.11
1920 × 1440	1.3̄:1 (4:3)	2.76

Support

1440p video mastered from 4:3 ratio content could be displayed with 1920×1440 or higher resolution such as QXGA or 2304×1440 with scaling, windowboxing, or pillarboxing. Widescreen 16:9 aspect ratio 1440p requires 2560×1440 (WQHD) resolution, possible with WQXGA, 2560×1920, or higher resolution with letterboxing, scaling, or windowboxing. Apple's 27" iMac^[1] and Dell's UltraSharp U2711^[2] monitor are WQHD, thereby allowing 1440p widescreen. The HDMI 1.3 specification supports WQXGA, and hence widescreen 1440p.

Usage

In autumn 2006, Chi Mei Optoelectronics (CMO) announced a 47" 1440p LCD panel to be released in Q2 2007;^[3] the panel was planned to finally debut at FPD International 2008 in a form on autostereoscopic 3D display.^[4]

In relation to smartphones, 1440p displays are sometimes marketed as "Quad HD", as it is four times the resolution of 720p high definition. The Vivo Xplay 3S, released December 2013, was the first smartphone to use a 1440p display; by 2015, 1440p had seen wider adoption by high-end flagship smartphones from major companies.^{[5][6][7]}

In September 2020, Microsoft revealed the Xbox Series S would support 120 FPS at 1440p.^[8]

See also

- 4K resolution
- 8K resolution

References

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