

EBU Technical Statement D83-1999

Flat panel and other new displays for 625-line television pictures

<i>EBU Committee</i>	<i>First Issued</i>	<i>Revised</i>	<i>Re-issued</i>
TC	1998		

Keywords: Monitors, 16:9

EBU Members use the 625/50-television production standard, which, in its digital version, has 576 lines and 720 pixels per line [1].

The active image area in this standard covers all the 576 active lines, and the centre 702¹ pixels of each line. This has recently been clarified in EBU Recommendation R92 [2]

The EBU emphasises that 625-line television displays for professional use and for the consumer, especially modern flat panel displays, must be designed in such a way that they can display all the 576 lines and 702 pixels/line of the active image area without the need for down-conversion at the display. This requirement is essential to ensure that the picture quality achieved in production can be maintained through to the end-user.

Bibliography

- [1] ITU-R Recommendation BT.601-5: **Studio encoding parameters of digital television for standard 4:3 and widescreen 16:9 aspect ratios**
 - [2] EBU Recommendation R92-1998: **Active picture area and picture centring in analogue and digital 625/50 television Systems**
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¹ Some video compression systems process 704 pixels to ease DCT processing but only the centre 702 pixels carry active picture content.