

Image Aspect Ratio

IAR is defined as the ratio of picture width to height

$$\text{IAR} = w / h$$

PAR (pel aspect ratio) =

$\text{IAR} * \text{vertical_size} / \text{horizontal_size}$: full screen display

where *horizontal_size* is the width of the image in terms of pels

and *vertical_size* is the height of the image in lines

ex. Display IAR = 4:3

Image size = 720 pels * 486 lines

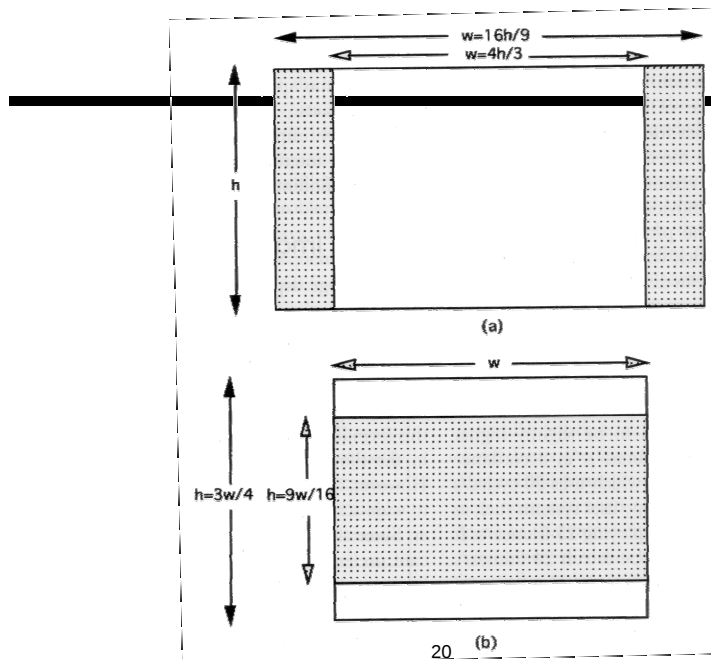
$$\text{PAR} = 4/3 \times 486/720 = 0.9$$

or $\text{IAR} * \text{display_vertical_size} / \text{display_horizontal_size}$
: portion display

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