HSync Width

Active Horizontal Size (AHS)

Front Portch

Back Portch

Active Horizontal Size (AHS)

HSync Start

HSync End

Total Horizontal Size

Last Active Line of previous Frame

First ActiveLine of next frame

Last line of next frame

Empty / Inactive Frame

(AHS) (AHS) (AHS)

(AHS) (AHS) (AHS)

(AHS)

VSync Start

VSync End

Active Vertical Size

Notes:
Horizontal values are # pixels
Vertical values are # of lines
Field Active Size = Total Vertical Size
Field Blank Size = Total Vertical - Active Vertical
Pixel Clock Rate = Total H * Total V * Refresh Rate

Total Vertical Size

VSync Width

Front Portch

Back Portch