

Standard Monitor TV Aspect Ratio 4:3

Standard – Megapixel

width x height pixel

VGA	0.3	= 640 × 480
SVGA	0.5	= 800 × 600
XVGA	0.8	= 1024 × 768
SXGA	1.3	= 1280 × 1024
EXGA	1.4	= 1400 × 1050
UXGA	1.9	= 1600 × 1200
QXGA	3.1	= 2048 × 1536
QSXGA	5.2	= 2560 × 2048
WQSXGA	6.6	= 3200 × 2048
QUXGA	7.7	= 3200 × 2400
WQUXGA	9.2	= 3840 × 2400

Standard Monitor TV Aspect Ratio 16:9 /16:10

Standard – Megapixel

width x height pixel

WVGA 0.4

= 840 x 480

WXGA 1.0

= 1280 x 800

WXGA+ 1.3

= 1440 x 900

WSXGA 1.7

= 1680 x 1050

WUXGA 2.3

= 1920 x 1200

WXGA (HD-Ready)

1.0

= 1366 x 768 (16:9)

WSVGA (Full HD)

2.0

= 1920 x 1080 (16:9)

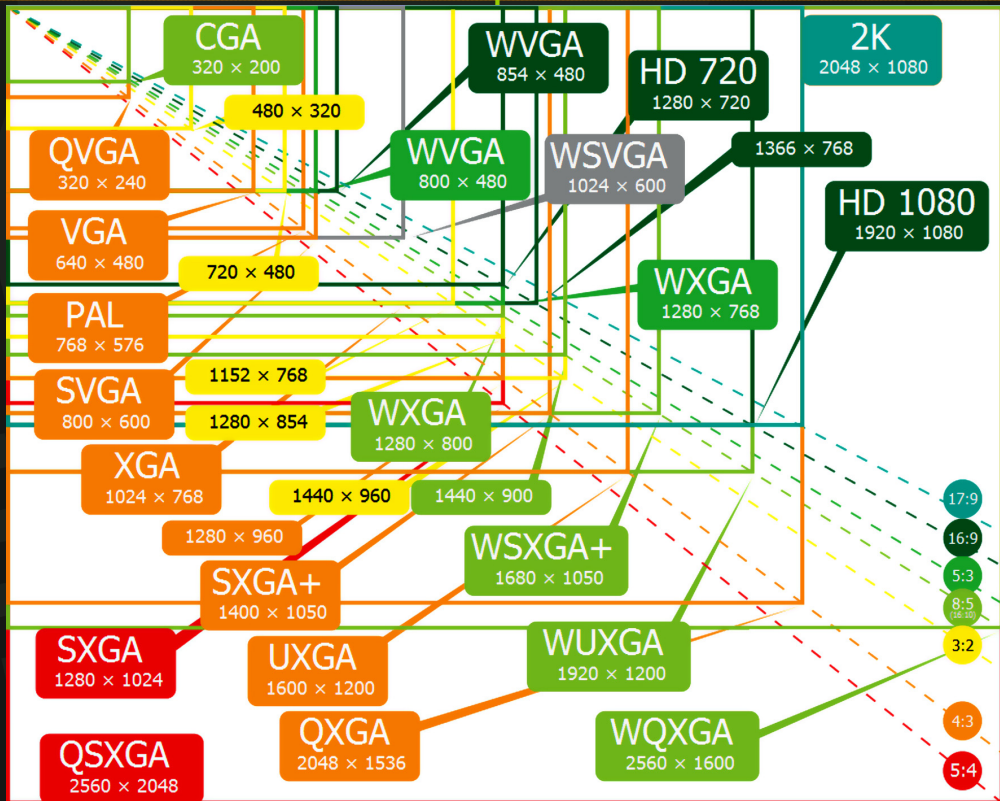
2K

= 2048 x 1152 (16:9)

4K

= 4096 x 2304 (16:9)

Standard Monitor TV Aspect Ratio --

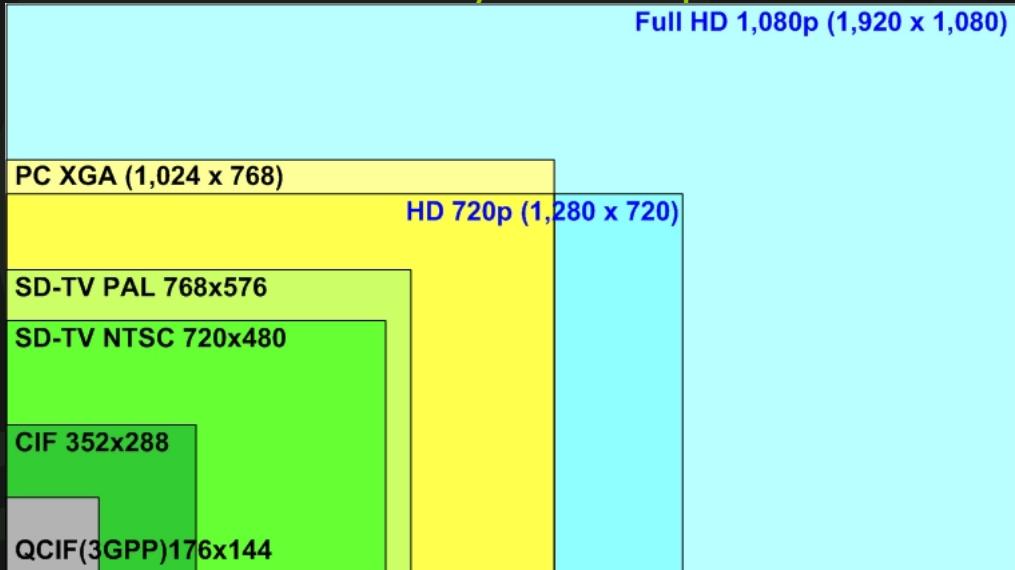


Standard Video Aspect Ratio 16:9

มาตรฐานภาพวิดีโอ – width x height pixel

DV/SD	480p	720 x 480 pixel
HD	720p	1,280 x 720 pixel
Full HD	1080p	1920 x 1080 pixel
2K	2K	2048 x 1152 pixel
4K	4K	4096 x 2304 pixel
5K	5K	5120 x 2700 pixel

Standard Monitor TV by Video Aspect Ratio --



1920 x 1080 pixel - Full HD (High Definition)

1280 x 720 pixel - HD (High Definition)

1024 x 768 pixel - PC XGA (Extended Graphics Array)

768 x 576 pixel - SD (Standard Definition) PAL TV

720 x 480 pixel - SD (Standard Definition) NTSC TV

352 x 288 pixel - CIF (Common Intermediate Format)

176 x 144 pixel - QCIF (Quarter Common Intermediate Format)

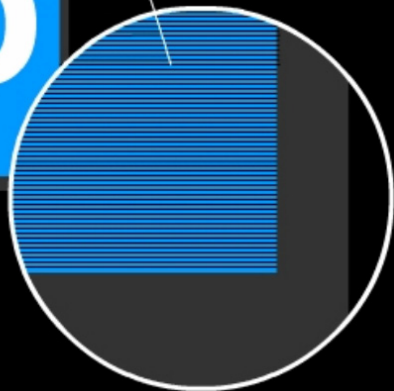
มาตรฐาน HDTV progressive scan

1080p

"p" stands for
progressive scan

1080 lines of vertical
resolution

Assuming a 16:9 aspect ratio
there are 1920 lines of horizontal resolution
or 2,073,600 pixels (1920x1080)



Standard Monitor SDTV

SDTV (Standard Definition Television)

- NTSC (National Television System Committee)
- PAL (Phase Alternate Line)
- SECAM (Sequential Color and Memory)

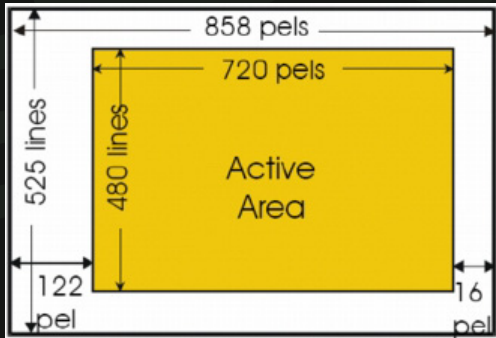
NTSC แสดงผลภาพได้จริง 720 x 480

PAL แสดงผลภาพได้จริง 768 x 576 | 720 x 576

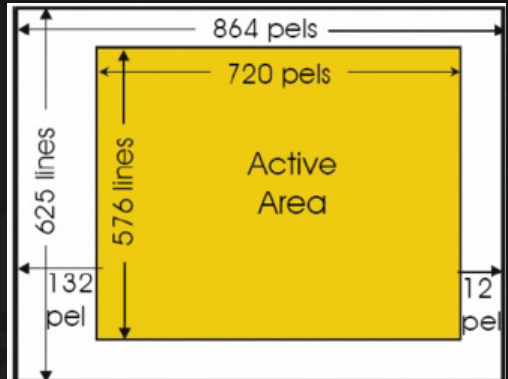
SECAM แสดงผลภาพได้จริง 768 x 576 | 720 x 576

Standard Monitor SDTV

standard	field / sec	frame / sec	line / frame	active area (pixel)	pixel	ratio
NTSC	60	30	525 (858-p)	720 x 480	345,600	3:2
PAL	50	30	625 (768-p)	720 x 576	414,720	4:3
SECAM	50	30	625 (768-p)	720 x 576	414,720	4:3



NTSC 525/60 : 60 field/sec



PAL & SECAM 625/50 : 50 field/sec

มาตรฐาน จอภาพยนตร์

