

CCTV Resolutions

Video Resolution Conversions

4K - ULTRA HD
3840 x 2160

1080P - HD
1920 x 1080

720P - HD
1280 x 720



4CIF
704x480



2CIF
704x240

CIF
352x240

QCIF
176x120

Term	Pixels (W x H)	Total Pixels Per Image	Notes
QCIF	176 x 120	21,120	Quarter CIF (this is half the height and width of CIF)

Term	Pixels (W x H)	Total Pixels Per Image	Notes
CIF	352 x 240	84,480	Common Intermediate Format (CIF) is a standardised format for picture resolution. This is a Low-end analogue DVR
2CIF	704 x 240	168,960	2 times CIF width – Mid-range analogue DVR
4CIF	704 x 480	337,920	2 times CIF width and 2 times CIF height – Higher End Analogue DVR
D1	720 x 480	345,600	Full D1 (Analogue CCTV Resolution Standard). Higher End Analogue DVR
960	960 x 480	460,800	Analogue CCTV Resolution Standard
720p HD	1280 x 720	921,600	720p High Definition – high-definition serial digital interface (HD-SDI)
720p Analogue High Definition (AHD)	1280 x 720	921,600	Analogue CCTV Resolution Standard
960p HD	1280 x 960	1,228,800	960p HD (a Sony-specific HD standard)
1080p AHD	1920 x 1080	2,073,600	Analogue CCTV Resolution Standard
1.3 MP	1280 x 1024	1,310,720	A 1-megapixel camera captures 1,310,720 pixels per frame
2 MP	1600 x 1200	1,920,000	A 2-megapixel camera captures 1,920,000 pixels per frame
1080p HD	1920 x 1080	2,073,600	1080p High Definition
3 MP	2048 x 1536	3,145,728	A 3-megapixel camera captures 3,145,728 pixels per frame
4 MP	2688 x 1520	3,686,400	A 4-megapixel camera captures 3,686,400 pixels per frame
5 MP	2592 x 1944	5,017,600	A 5-megapixel camera captures 5,017,600 pixels per frame
6 MP	3072 x 2048	6,291,456	A 6-megapixel camera captures 6,291,456 pixels per frame

Term	Pixels (W x H)	Total Pixels Per Image	Notes
8 MP / 4K (Coax)	3840 x 2160	8,294,400	An 8-megapixel camera captures 8,294,400 pixels per frame
12 MP / 4K (IP)	4000 x 3000	12,000,000	A 12-megapixel camera captures 12,000,000 pixels per frame

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