

# Info

Resolutions, tools, standards, whitepapers, oh my

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# 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 |