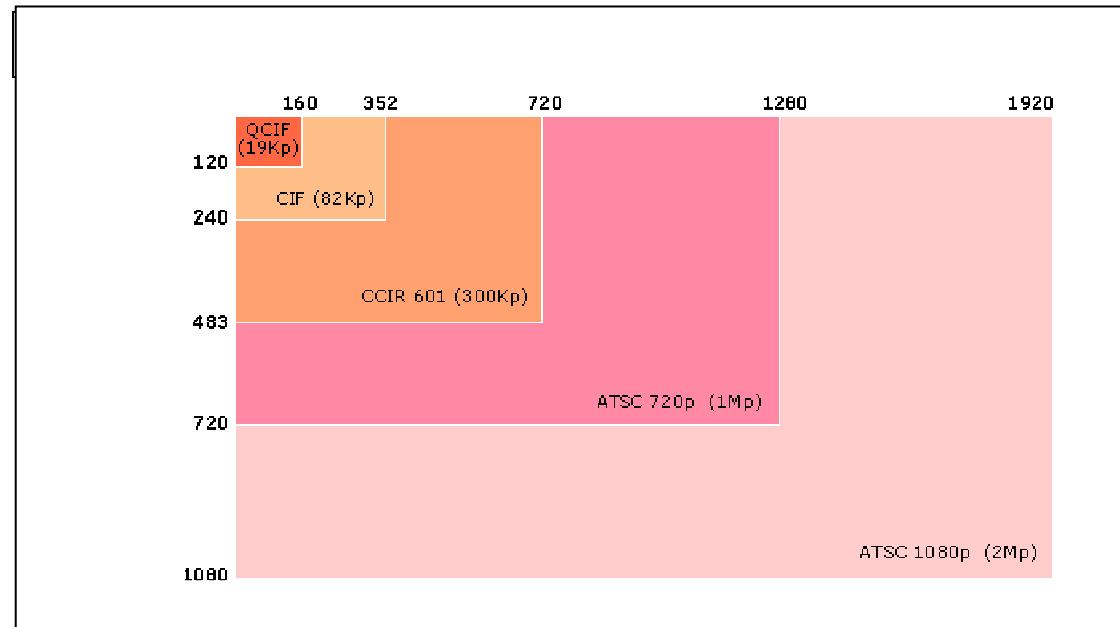


## Video Signals over the Network

| 30 FPS Uncompressed         | Signal GB/Min | Reference   | Technology               | Data Rate GB/Min ‡ | Reference   | Field Test GB/Min |
|-----------------------------|---------------|---|--------------------------|--------------------|---|-------------------|
| <b>SDTV</b>                 | 0.3           |   | <b>Cat5e</b>             | 7500               |   | 750               |
| <b>NTSC 480 X 720</b>       | 1.6           |   | <b>Cat6</b>              | 75000              |   | 7500              |
| <b>HDTV 720P</b>            | 4.1           | <a href="http://en.wikipedia.org/wiki/Uncompressed_video">http://en.wikipedia.org/wiki/Uncompressed_video</a>   | <b>802.11g/n</b>         | 0.405              | <a href="http://www.smallnetbuilder.com/wireless/wireless-basics/30664-5-ways-to-fix-slow-80211n-speed">http://www.smallnetbuilder.com/wireless/wireless-basics/30664-5-ways-to-fix-slow-80211n-speed</a> | 0.165             |
| <b>HDTV 1080P or 1080I</b>  | 13.9          |   | <b>Gigabit</b>           | 7500               |   | 750               |
| <b>H.264 1080P</b>          | 0.4           | <a href="http://www.makeuseof.com/tag/test-home-network-speed-decipher-results/">http://www.makeuseof.com/tag/test-home-network-speed-decipher-results/</a> | <b>Cat5 (POE)</b>        | 750                |   | 75                |
| <b>Blu-Ray (H.264)</b>      | 2.2           |   | <b>Internet (Upload)</b> | 0.005              | <a href="http://www.speedmatters.org/StateRankings">http://www.speedmatters.org/StateRankings</a>   | 0.005             |
| <b>H.264 NTSC 480 X 720</b> | 0.041         | Compression = 38X   | <b>T1</b>                | 0.012              | <a href="http://www.wand.net.nz/~perry/max_download.php">http://www.wand.net.nz/~perry/max_download.php</a>   | 0.005             |
| <b>H.264 720P</b>           | 0.107         |   | <b>T2</b>                | 0.023              |   | 0.009             |
| <b>H.264 SDTV</b>           | 0.008         |   | <b>T3</b>                | 0.046              |   | 0.019             |



‡ Conversion from Mbps (Mega Bit per Second) to GB/Min (Giga Byte per Minute)

$$(X/(8 * 1000)) * 60$$

<http://www.microsoft.com/windows/windowsmedia/howto/articles/understandinghdformats.aspx>



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