# COMMON
# DIGITAL VIDEO DISTRIBUTION CODECS
## SPECIFICATION GUIDE

| | RESOLUTION | BIT RATE | FRAME RATE | BIT DEPTH | CHROMA SAMPLING | COLOR SPACE | FILE SIZE (ROUGH ESTIMATION @ 1920X1080) | COMPRESSION | ALGORITHM |
|---|---|---|---|---|---|---|---|---|---|
| MPEG1 | Up to 4K | Up to 100 Mbps | Up to 60p | 8 bit | 4:2:0 | YUV | 6 MB/m | Interframe, Intraframe | DCT |
| MPEG2 | Up to 1920x1080 | Up to 300 Mbps | Up to 60p | 8 bit, 10 bit | 4:2:0, 4:2:2, 4:4:4 | YUV | 66 MB/m | Interframe, Intraframe | DCT |
| H.264 | Up to 4K | Up to 960 Mbps | Up to 120p | 8 bit, 10 bit, 12 bit | 4:2:0, 4:2:2, 4:4:4 | YUV | 150 MB/m | Interframe, Intraframe | DCT, Lossless |
| X264 | Up to 2K | Up to 960 Mbps | Up to 120p | 8 bit | 4:2:0 | YUV | 56 MB/m | Interframe, Intraframe | DCT, Lossless |
| DIVX | Up to 1920x1080 | Up to 20 Mbps | Up to 120p | 8 bit | 4:2:0, 4:2:2 | YUV | 32 MB/m | Interframe | DCT |
| XVID | Up to 1920x1080 | Up to 10 Mbps | Up to 120p | 8 bit | 4:2:0, 4:2:2 | YUV | 60 MB/m | Interframe | DCT |
| WMV9 | Up to 1920x1080 | Up to 12 Mbps | Up to 60p | 8 bit | 4:2:0 | YUV | 60 MB/m | Interframe, Intraframe | DCT |
| VC-1 | Up to 2048 × 1536 | Up to 135 Mbps | Up to 60p | 8 bit | 4:2:0 | YUV | 130 MB/m | Interframe, Intraframe | DCT |
| VP6 | Up to 1920x1080 | Up to 10 Mbps | Up to 120p | 8 bit | 4:2:0, 4:2:2 | YUV | 11 MB/m | Interframe, Intraframe | DCT |