

# Video Terminology

Last Modified on 10/06/2022 4:14 am EDT

## Product Name

Video Terminology

## General Information

**Analog:** Measured by physical (light, sound) changes

**Bandwidth:** Data transfer rate across a network

**Bitrate:** Number of bits transmitted over specific time (Mbps)

**CIF:** Resolution of 352 x 288 (Common Intermediate Format)

**Codec:** Algorithms use to compress/decompress video

**Compression:** Reducing the video file size

**Digital:** Components are expressed in a binary format

**FPS:** Frames per second

**H.264:** Video compression format

**HTTP:** Protocol used to transmit data across internet or network (Hyper Text Transfer Protocol)

**JPEG:** Joint Photographic Experts Group

**KeyFrame:** Self-contained reference frame (I-Frame)

**Latency:** Time to compress, send, decompress, and display the file

**MPEG:** Moving Picture Experts Group

**MPEG-4:** Video compression format

**MJPEG:** Video compression format (Motion JPEG)

**NTSC:** Analog signal used in North America (National Television System Committee)

**ONVIF:** Defines a common, open protocol for IP based security components (Open Network Video Interface Forum)

**PAL:** Analog signal used in Europe (Phase Alternating Line)

**Pixel:** A point in a digital image with a specific color and intensity

**Resolution:** Width x Height of displayed image

**RTP:** Protocol for delivering audio and video over a network (Real Time Protocol)

**RTSP:** Protocol used to control the streaming of video over a network. Used RTP to transmit the data. (Real Time Streaming Protocol)

**TCP:** Network communication method using end-to-end/handshaking communication (Transmission Control Protocol)

**UDP:** Network communication method using one direction protocol (User Datagram Protocol)

**Video Servers / video encoders:** Hardware that converts analog signal to digital

## Applies To

Digital Video

## Additional Information

---