



## Specification - Frame sizes

Version 1.0 - <https://dualhd.org>

# About

Dual HD is a set of frame sizes designed to simplify live streaming across platforms with varying orientation needs. It enables creators to stream horizontal and vertical video formats simultaneously, streamlining content creation for platforms like Twitch and YouTube (horizontal) and TikTok and Instagram (vertical). This format enhances the viewing experience across devices without requiring multiple separate streams.

Dual HD focuses solely on frame sizes, not codecs or other technical details. However, modern codecs like AV1 are recommended to efficiently manage bandwidth despite the larger frame size. An intermediate server\* is required to split and forward the Dual HD stream to the desired destinations.

\* For example, FFmpeg transcoder or SaaS service like <https://streamrun.com>

# Frame sizes (v1.0)

- Dual HD 1760
  - 720p horizontal, 480p vertical
- Dual HD 2000
  - 720p horizontal, 720p vertical
- Dual HD 2640
  - 1080p horizontal, 720p vertical
- Dual HD 3000
  - 1080p horizontal, 1080p vertical
- Dual HD 4920
  - 4k horizontal, 1080p vertical

# Dual HD 1760

- Video formats: 720p horizontal, 480p vertical
- Canvas
  - Width 1760
  - Height 854
- Horizontal video
  - Width 1280
  - Height 720
  - Position 0, 0
- Vertical video
  - Width 480
  - Height 854
  - Position 1280, 0

# Horizontal

1280x720

# Vertical

480x854

# Dual HD 2000

- Video formats: 720p horizontal, 720p vertical
- Canvas
  - Width 2000
  - Height 1280
- Horizontal video
  - Width 1280
  - Height 720
  - Position 0, 0
- Vertical video
  - Width 720
  - Height 1280
  - Position 1280, 0

Horizontal

1280x720

Vertical

720x1280

# Dual HD 2640

- Video formats: 1080p horizontal, 720p vertical
- Canvas
  - Width 2640
  - Height 1280
- Horizontal video
  - Width 1920
  - Height 1080
  - Position 0, 0
- Vertical video
  - Width 720
  - Height 1280
  - Position 1920, 0



Horizontal

1920x1080

Vertical

720x1280

# Dual HD 3000

- Video formats: 1080p horizontal, 1080p vertical
- Canvas
  - Width 3000
  - Height 1920
- Horizontal video
  - Width 1920
  - Height 1080
  - Position 0, 0
- Vertical video
  - Width 1080
  - Height 1920
  - Position 1920, 0

Horizontal

1920x1080

Vertical

1080x1920

# Dual HD 4920

- Video formats: 4k horizontal, 1080p vertical
- Canvas
  - Width 4920
  - Height 2160
- Horizontal video
  - Width 3840
  - Height 2160
  - Position 0, 0
- Vertical video
  - Width 1080
  - Height 1920
  - Position 3840, 0

Horizontal  
3840x2160

Vertical  
1080x1920



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