1.78:1 (16:9)

Englisch: 1.78:1

KAMERA/TECHNIK

Das 16:9-Seitenverhältnis (1.78:1), das zum digitalen Standard für HDTV, Streaming-Plattformen und modernes Kino wurde. Dieses Verhältnis stellt den internationalen Standard für Fernsehen und digitale Inhalte dar.

16:9 Aspect Ratio (1.78:1) The 16:9 aspect ratio (mathematically 1.78:1) has become the near-universal standard for digital video, HDTV, and modern cinema displays. This ratio optimizes the viewing experience for screens and streaming platforms while providing adequate width for cinematic storytelling. Digital Video Standard 16:9 is the mandated aspect ratio for: HDTV broadcast (1920x1080, 1280x720) YouTube and most streaming platforms Theatrical digital cinema (scaled display) 4K television (3840x2160) Most digital cinema cameras' native output Technical Specifications Aspect Ratio : 1.78:1 (exactly 16÷9) Common Resolutions : 1920x1080 (Full HD) 3840x2160 (4K) 1280x720 (HD) Pixel Aspect Ratio : Square pixels (1.0) Composition Advantages 16:9 provides the ideal balance for modern audiences: Wide enough for epic compositions without anamorphic distortion Properly proportioned for human face framing Universally supported across all delivery platforms Reduces aspect ratio conversion and reformatting issues Streaming and Delivery When delivering to streaming platforms: 16:9 requires no letterboxing or pillarboxing Optimal for simultaneously viewing on television and mobile devices Maximizes screen real estate usage Eliminates aspect ratio confusion in metadata Comparison with Theatrical Standards Narrower than 1.85:1 (Flat) and 2.39:1 (Scope) theatrical formats Wider than Academy 1.37:1 Digital standard equivalent to European 1.66:1 Future Outlook 16:9 continues to dominate digital acquisition and distribution, with some advanced formats supporting multiple aspect ratios through dynamic frame composition.