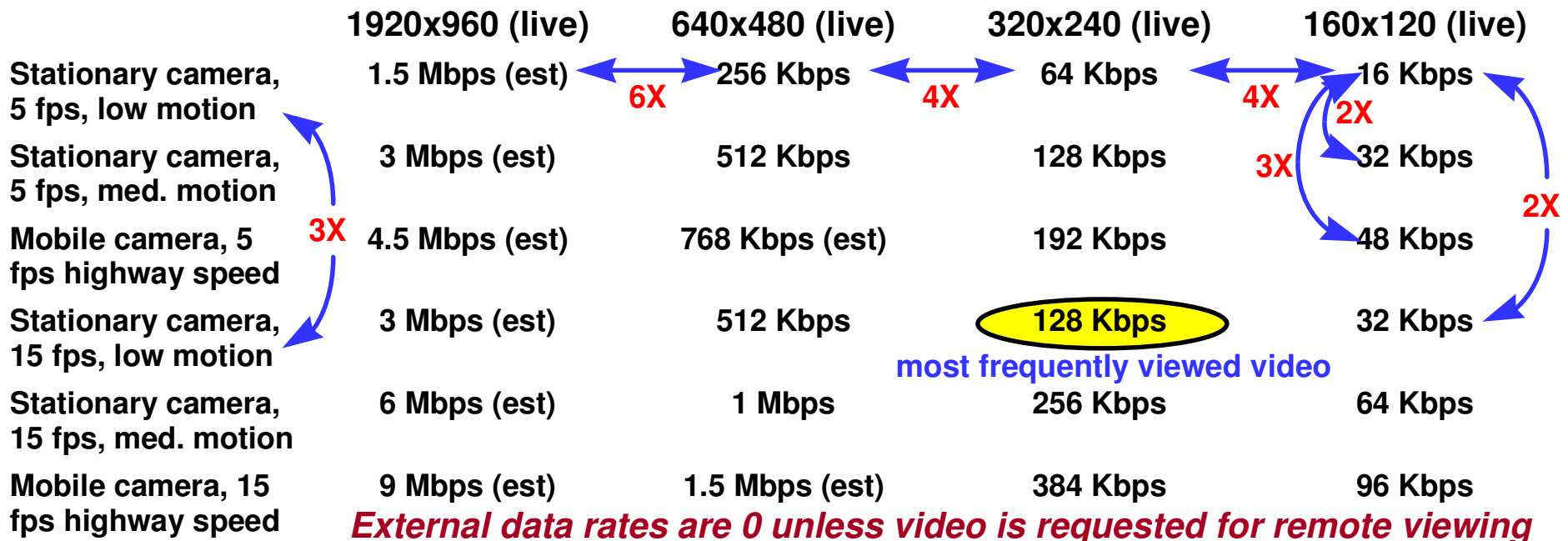




Typical Video-on-Demand Data Rates for Boundless' IP-Based, Digital Video Surveillance System with Distributed Storage

- Distributed internal recording and video-on-demand save 90+% bandwidth of conventional IP-based systems by avoiding continuously sending live video to distant storage servers
- Data rates depend on many factors, including resolution, clarity (amount of compression), subject and camera motion, whether images are viewed live (artifacts not very noticeable at medium to high frame rates) or recorded (viewing and enlarging with freeze frames requires fewer artifacts), camera noise/sharpness/scanning, lighting and scene detail
- *Nominal not-to-exceed* live, video-on-demand internal (not continuous streaming) data rates below (typ. usage is 40% to 60%) use Boundless' optimized MPEG-4; 1.5x - 2x data rates are recommended for video streams viewed recorded for investigations using freeze-frames



June 6, 2007. Data rates are Boundless' combination of constant bit rate and variable bit rate. Data rates are internal to Boundless' *Multi-Stream Video Servers*, unless live or recorded video has been requested by client viewing software. Some values are optional.