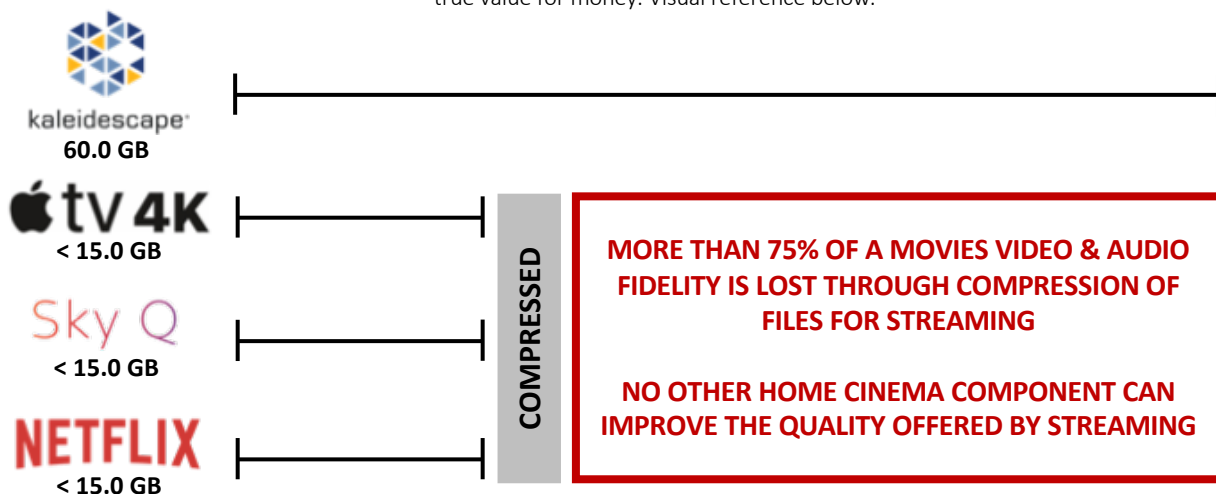


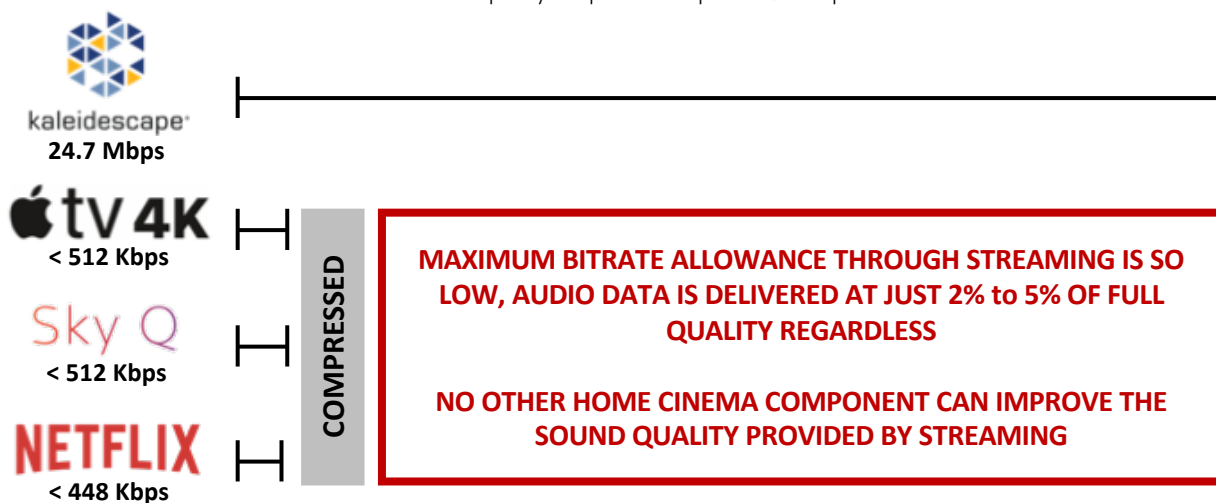
Product	Bitrate Maximum [Mbps]	% of Video / Audio Data of Master	4K Movie Content
Kaleidescape Strato 4K UHD	100	100% Video / 100% Audio	350+ Movies
4K UHD Blu-Ray Disc	128 (theoretical)	100% Video / 100% Audio	200+ Movies & TV
HD Blu-Ray Disc	54	100% Video / 100% Audio	Everything
4K UHD Live Broadcast	40	n/a	n/a
Apple TV – 4K	15.5	20% Video / 5% Audio	
Netflix – 4K UHD Stream	15.5	20% Video / 5% Audio	40 (All Netflix Created Content)
Sky Q – 4K UHD Stream	20	20% Video / 5% Audio	Under 50

### STREAMING vs KALEIDESCAPE

With any cinema project the goal is to deliver the highest quality video and audio within the budget constraints set. Selecting a source that offers highly compressed content is going to cause every other component in that cinema to underperform. Equally, building the cinema project around a quality source will ensure that every component performs to the best of its ability and the customer receives true value for money. Visual reference below.



Irrespective of the internet connection you have in your home, the data lost through compression will still exist as the compression is carried out at the head end, before it is sent through the fibre tubes into your home. The biggest loss can be observed in the sound quality offered by streaming. This is best explained from the perspective of bitrates. Kaleidescape delivers a master audio file in bit-for-bit quality at up to the required 27.4mbps:



All facts are based on research conducted in part by Kaleidescape and Pulse Cinemas. Netflix & Apple do not publish file sizes or bitrates publicly so information has been from independent tests conducted by various dealers and tech reviewers