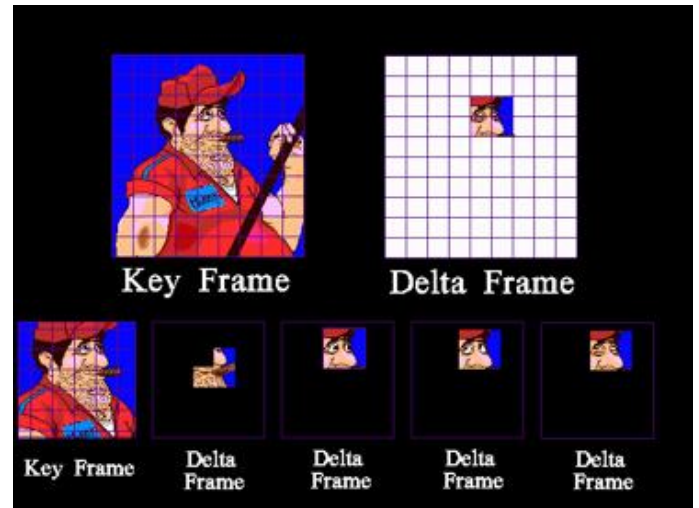


HIGHER COMPUTING SCIENCE

How does compression reduce the file size of...

VIDEO

MPEG
<ul style="list-style-type: none"> • Stores (key) frames • (Key) frames saved as JPEG • Delta frames save changes between key frames

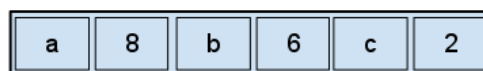


IMAGES

JPEG	RLE - Run Length Encoding
<ul style="list-style-type: none"> • Takes shades of colour and stores them as one colour • Which can then be stored as a pixel value and number of repetitions 	<ul style="list-style-type: none"> • Stores the colour of a pixel and the number of repetitions of the pixel • Reducing the number of pixel values stored



run-length encoding



Bit-Map

- Bit mapped graphics can be edited in fine detail at pixel level
- More realistic images
- Less constrained by mathematical objects

Vector

- Objects can be layered
- Scalable without losing resolution/no pixilation
- Editing individual attributes