## Unit 9 text

MPEG is the most popular system of the video compression.

This system splits the single data stream into video and audio with the different algorithms.

There are some types of frames for this method.

First one is Intra Frame (or I-frame), which is compressed using the picture itself like JPEG.

The second one is predicted frame (or P-frame).

P-frame stores only the difference between itself and I-frame.

It saves a lot of space but brings a small error.

And the final one is bi-directional frame (B-frame), which is between I and P-frames.

B-frames based on the previous and the following I or P-frames. There is no frames based on B-frames.

Usually there are 2/3 B-frames between I-frames or P-frames, and 3-5 P-frames between I-frames.