

Guided Solution for Tutorial 8

12. List down 4 types of data redundancy.

Temporal - correlation between pixels in two video frames.

Spatial - correlation between neighbouring pixels.

Spectral - correlation between colour or luminescence components.

Psycho-visual - exploit perceptual properties of the human visual system.

14. Determine the memory storage requirement for a 320 x 240 8-bit grayscale.

$$320 \times 240 \times 8/8 = \text{xxx kbytes}$$