Multimedia - Image

Tuesday, 18 August 2020 1:55 PM

Key ferms:

Bit-map image: System that uses pixels to make up an image.

Pixel: smallest picture element that makes up an image.

Colour Depth: $2^8 = 256$ Number of bits used to represents
the Colours in a pixel.

Trage Resolution: Number of pixels that

make-up an image.

Hoge x3192 = 12738656

Rows Columns. Pixel in total

Resolution

 \mathbb{N}

Screen Resolution: number 7 Horizontal and vertical pixels that make-up a

Screen display.

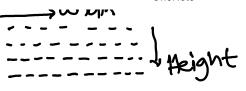
9f the seveen resolution is smaller than the image resolution, the whole than the image resolution, the whole image can't be shown on the screen, image can't be shown on the screen, or the organil image will become lower or the organil image will become lower or the organil

Resolution: Number of pixels per Colomn and
per row on a monitor or a TY Viscen.

pixel Density: Pixels per Inch (PPI) Number of pexels per square inch.

Bit-map Images: Are made-up of pixels (picture elements); the image is stored in a two-dimensinal matrix of pixels.

While = 0



RGB OY 0000 00001101010101010000 Image Height 5 Resolution 9x5=45 >Widh <

- Kesowtion - Pixel - Image , (olov · Color Depth (Range)

Dac

This image has 16 Colors/Pixel.

Color 24 = 16 \(\) (0000)

Depth Next Red = 5 7 8 9 1 Colors = 16 Depth = 4bits 0101 0000 0101 0000 0000 0000 0000 0000 010101010101010101010101 Information regulated by the operating system related to this image.

1 Resolution @ Color Depth.

(1) Resolution @ Color Depth.

File Header Image He

18 287 bits per pixel
256 Colors
2

2B = 65K

3B 2 = 1.7 millions

Pile Sizing

Image 10×10 Resolution
Color 32

Color 32 Image Resolution = $10 \times 10 = 100$

Image 1024 x 768 Resolution Colors 65536 Colors Image Resolution = 1024x768 = 786432 pixels. Color Depth = 2 = 65536 12 bits. 786432 × 16 = 12582912 675 12 582912 /8 = 1572864 Bytes