Text, Image, Video & Sound conversion. ASCIT Monday, 16 November 2020 A = 65 } Every Character

Ocupies one (1)

byte. (S-Key) Glyph ASCII Code-Charactins Text Ceyboard Unsun Charachis (Enti, ESC, Back gra, Del, Bell) 0-32,127 FARAL Précision Instituté. UNICODE 2 = 65536 Bitmap File 4K 8.2 milion more IMAGE Width Resolution, Color Deple IMALE Color Depli : Number 7 bits Saved per fixel. 17.6 million Image = S/W = List of Colors. Eveny color occupies predetermined number 7 bits; called color dep15. Resolution & Color Depth Image File Size= WxH $2^n = x \text{ Golors}$ Image 100 x50 = 5000 Colors 32 color Depth 5. Resolution=5000 Lotor Dep12 = 5 File Size = 5000 x5 = 25000 bits = 3125B Frames Per Second (FPS) Video: File Size = Resolution × Color Depth × Figures (5)

Width × Height bits per pixel per In Video Video Resolution = 50 x 10 Dep12 = 45its FPS = 10 Time = 2 min. 50 × 10 × 4 × 10 × 60 500 -> 2000-> 20000 -> 1200000 bits => 150000 Bytes. Analogue = Natural = M = Contineous

ADL Digital = Birany = July = Discrete

9 Digital = Birany = July = Discrete (ADC) Analogue to Digital Converté. Amplitude