Image Sources: In image processing, image sources refer to the different methods or technologies used to generate capiture images. These sources determine how an image is formed and What type of information it contains, paiganne Novigation

* Types of image Sources; 1. Electromagnetic (EM) Energy 29. Spectrum - 1911

Images are formed using different wave lengths of electromagnetic waves such as.

La de rays on lotron (Medical imaging, security scans)

- Infrared (Thermal imaging, night vision)

. - visible i light Cameras, photography

\$ 25000 CES \$ 2. Acoustic Sources -Images are created using sound waves; such aside Medical ultrasound (Used In pregnancy scans, Internal organ imaging - : Underwater imaging toda (sonar mapping, submarine navigation) * Tupes of image Sources 3. Oltrasonic Sources - 1 High-frequency sound waves are used for imaging on in: - Medical witrasonography (internal body scanning) - Dental Imaging (to check zeros referethe and law) - material characterization (to Letect flags in industrial materials) Na proporting

4. Electronics - Computer Generated Images (CGI) : 20200V un Images are created digitally a using computers such as: - 3D modeling In movies candis games apid privareni - simulations as almos clentific research - 1290 in on . 2 Artificial images in animation can analize store or recognize , A What is san image ? 100 do A rectangular grid of pixels. · Image can be represented using a two-dimensional circles 12 function of (264) variage & and y are the spatial coordingtes. 2 1000 0 VEN * what is Digital image processing? Using a computer to modify or improve a digital image is called digital image processing. they contained the ses that

Computer vision? Visual scene -> extract -> a task exeller into exemple information. Ex: - Optical Characterous on . Don recognition · Analysis of medical, satellite and microscopic images. · Surveillance - Identity verification. · Quality Control in manufactu -ring. * Components of an image Processing System Sensors & Digitizers; Capture and convert images. - Processing Hardware & software: From general computers to supercomputers. - Storage: Temporary, online and archival storage. - Displays - Monitors, graphic cards.

No:
Computer weight
14 avdcopy Devices in ? Invail
14 avd copy Devices in ? Insiv
Ne tworks strong losifgo : x3
For data exchange
· Analysis of medical, satellite
and microscopie images.
e Surve! Lance
- Identity verification.
a Crafity Control in manuelarda
· p v i v -
Servit or so something
13:000 (\$ 0.000)
: 500 1997 : S1051405 -
Espanne travers es post
- Processing the section of the stranger
0 1 513 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
240 h 129 400 43 9 11 2
- Sterage:
bas sailas, provogas!
a be prote storage
- Displays - Monitors, graphic