

Commonly Used Input Methods





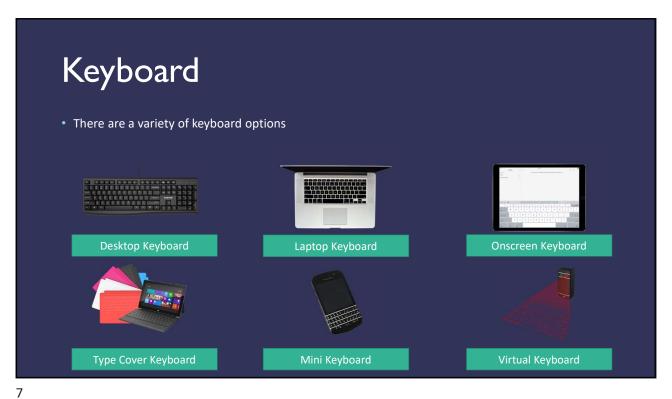
Keyboard

- เขาให้เก็ก คักคณ์ น่างา์น คนอง เลื่อ

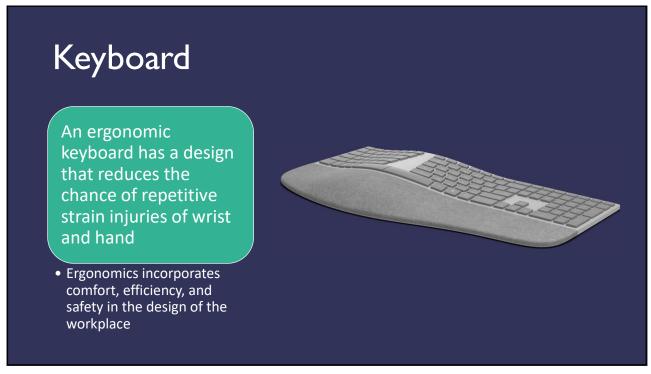
• Why QWERTY? Why not ABCD...?

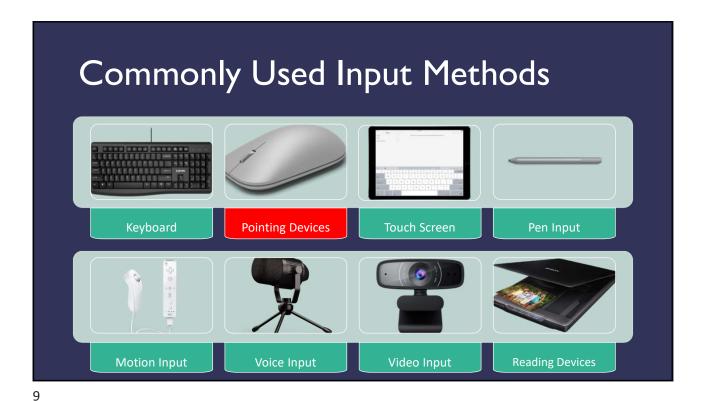
• Reduce frequency of key jams on old mechanical typewriter

https://www.sciencedirect.com/science/article/abs/pii/S0020737383800108



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Pointing Devices

• A pointer is a small symbol on the screen whose location and shape change as a user moves a pointing device

Mouse is a pointing device that fits under the palm of your hand comfortably

Types of Cursor

Types of Cursor

Pointing Sticks a pressure-sensitive pointing device that is sensitive to pressure and motion ந்தரையூடி பூலி அம்பார் அறிமுக்கியில்

Pointing Sticks a pressure-sensitive pointing device shaped like a pencil eraser that is positioned between keys on a mobile computer keyboard

\*\*Printing Sticks\*\*

Pointing Sticks\*\*

Pointi



Commonly Used Input Methods

Keyboard

Pointing Devices

Touch Screen

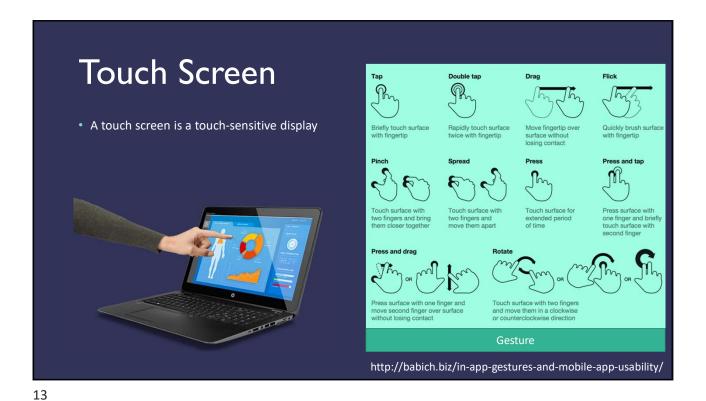
Pen Input

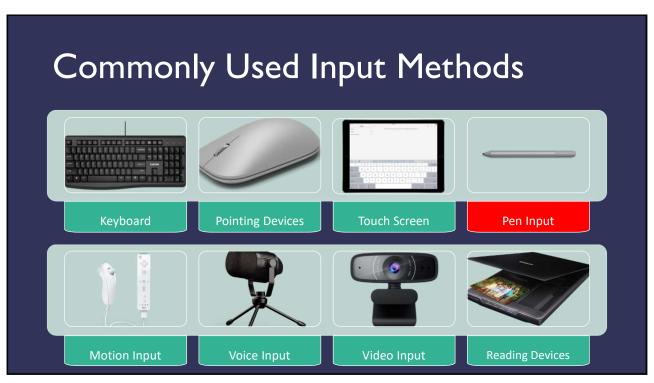
Motion Input

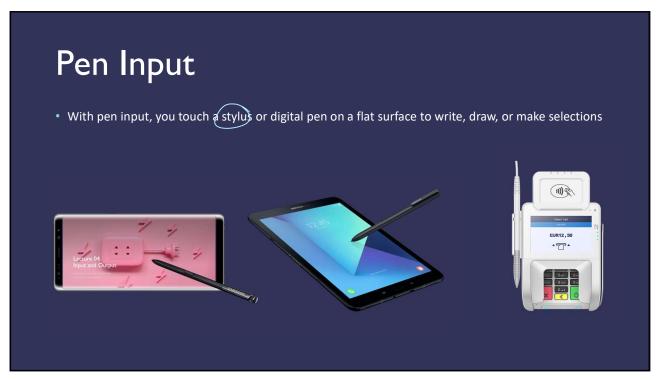
Voice Input

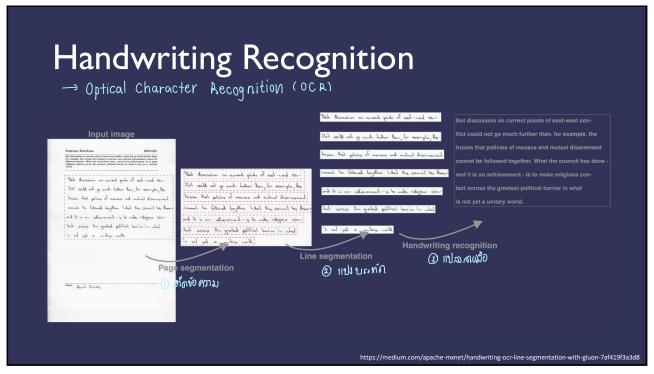
Video Input

Reading Devices

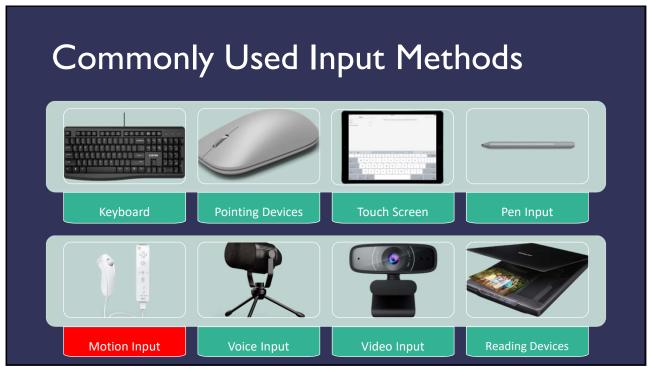






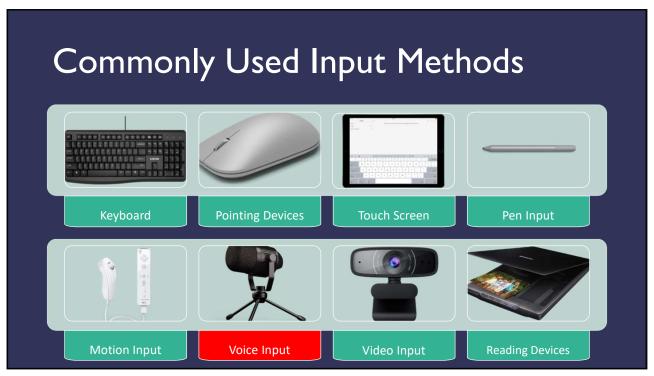


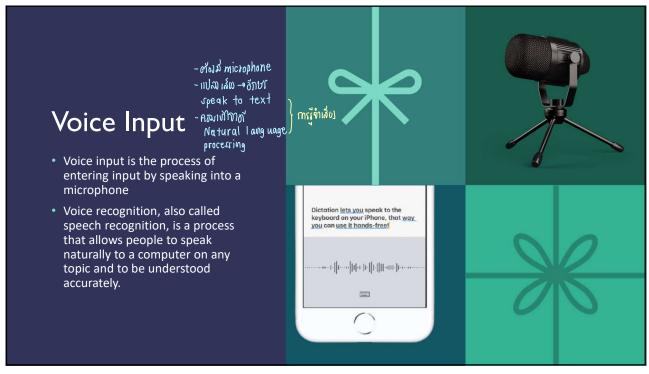


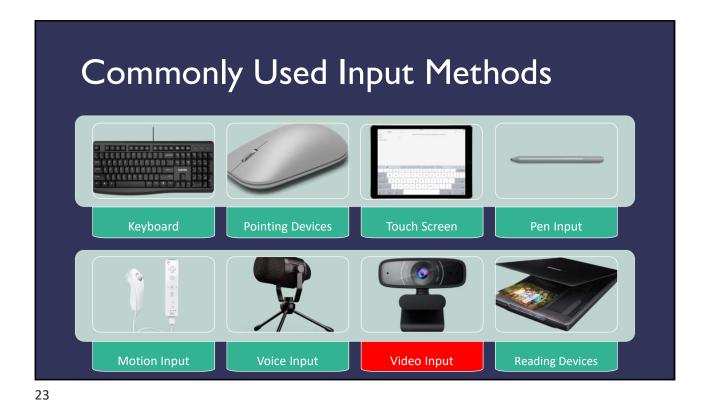












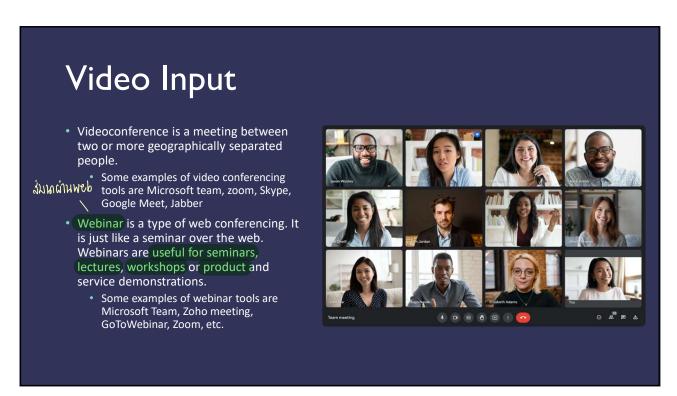
Video Input
- ໂນການ ເຄື່ອນໃນດາລົງໂຄງເຄັນ

• Video input is the process of capturing full-motion images and storing them on a computer or mobile device's storage medium

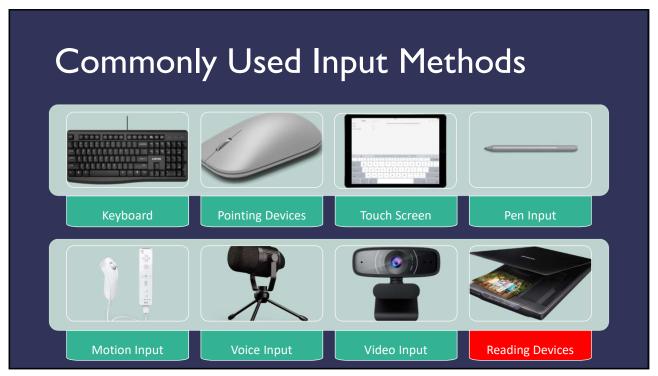
• Awebcam's a type of digital video camera that enables a user to:

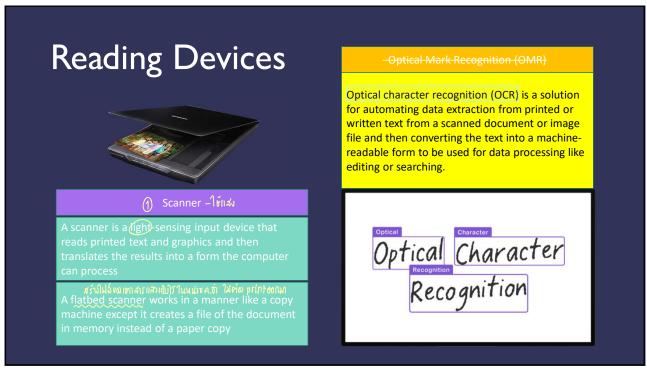
v · Capture video and still images
v · Broadcast live images or video over the Internet
v · Conduct videoconferences
v · Make video calls

• Nowsday, all these devices have the same function as webcam
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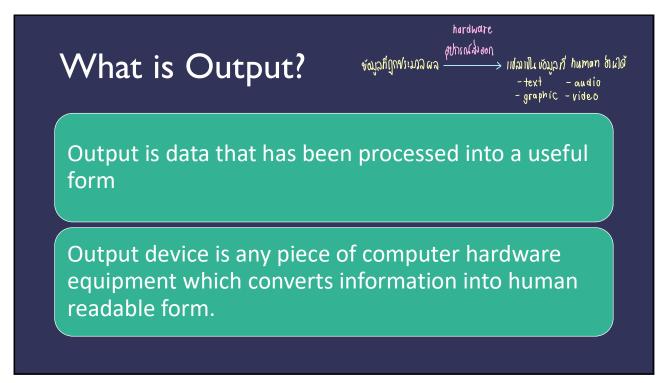


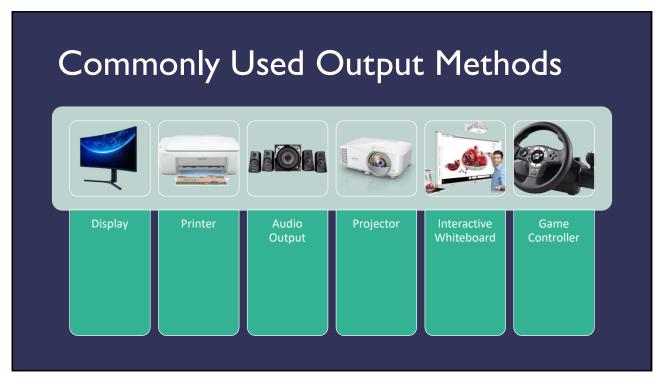


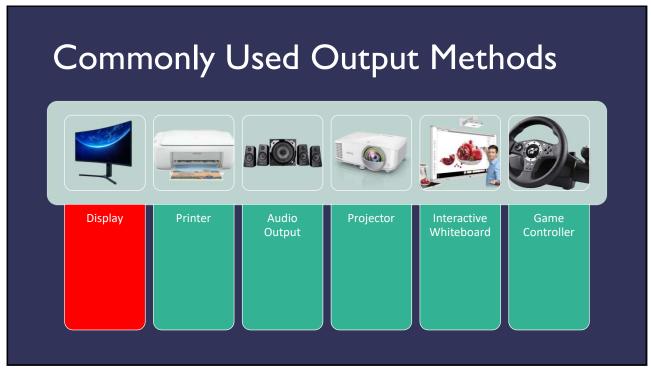
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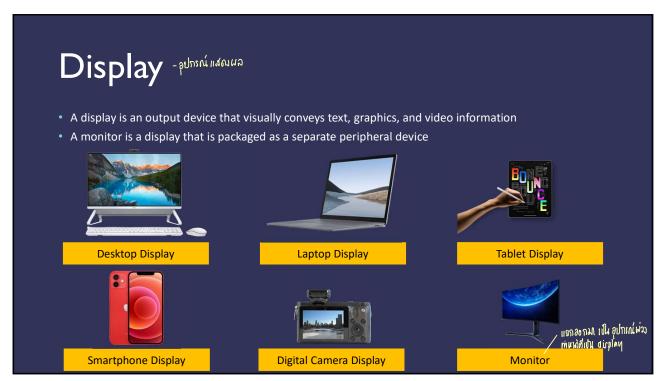


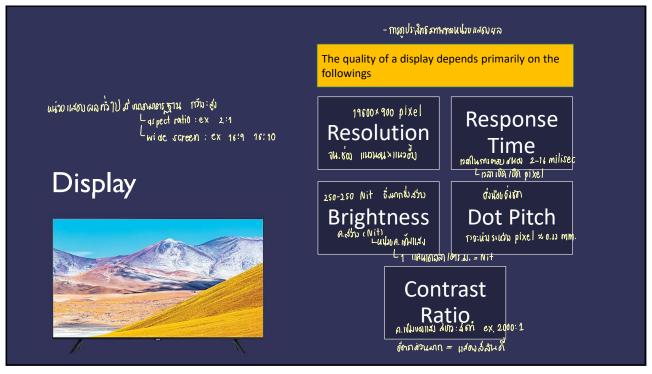






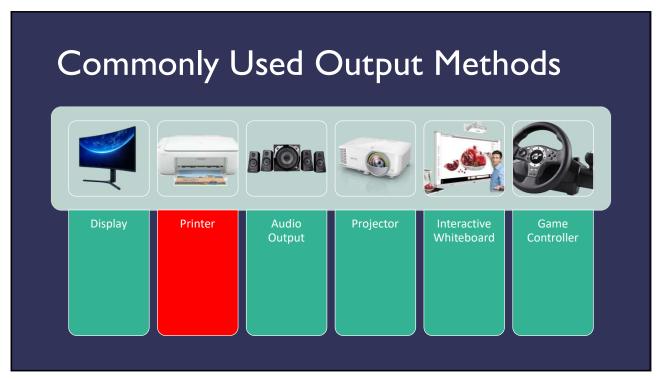


















### Nonimpact Printer – Photo Printer

- A photo printer produces lab-quality photos
- Many use ink-jet technology
- Some brand allows you to print photos directly from a digital camera
- · Print from a memory card



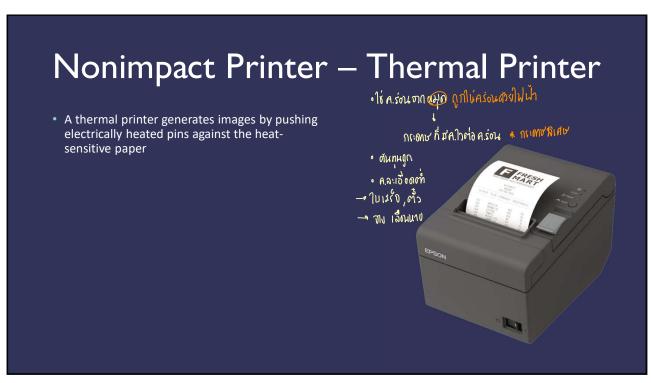
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## Nonimpact Printer – Laser Printer

- It is a high-speed and high-quality printer
- It offers both black-and-white and color
- o เรว ป์ชนมภหุว แก่
- พันนายค.ทุ่มกก = สมน์เรา
- o later beam ซิบแสงไทมกับ โทนเนงไท้งปู่ใน mmริร











# Nonimpact Printer — Label Printer • A label printer is a small printer that prints on an adhesive-type material that can be placed on a variety of items • วีซ์ termal technology

Nonimpact Printer — Plotter

• Plotter are used to produce high-quality drawings

• 'γκοθιού
• 'ὑ΄ ink -jet

# Nonimpact Printer – Large-format Printers

- Large-format printers create photo-realistic quality color prints
  - ในปู่จักร
  - สราง ภน สมส ล่ คุณ ภาพ เนมือน จรา



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# Nonimpact Printer – 3D printer

- A 3-D printer uses a process called additive manufacturing to create an object by adding material to a three-dimensional object, one horizontal layer at a time
  - ใช่กระบน การผลิตาแบบเฉิ่มเนื้อวัสดุ ( Additive Manufacturing)
  - หล่มวัสดุ ฌในว่ดกุ 3D
  - ค่องๆ เนิ่มก็ละชิ้นในแนว แอน





