Core Processing Units

1. **Raspberry Pi 4 Model B (8GB RAM)**
   - **Price**: EGP 8,711[CNX Software - Embedded Systems News](#)+10[Amazon Egypt](#)+10[Desertcart](#)+10
   - **Source**: [Amazon EgyptAmazon Egypt](#)
   - **Note**: Suitable for basic AI tasks and prototyping.
2. **NVIDIA Jetson Nano Developer Kit (4GB RAM)**
   - **Price**: EGP 13,500[CNX Software - Embedded Systems News](#)+8[Desertcart](#)+8[Microohm](#)+8
   - **Source**: [MicroOhm EgyptMicroohm](#)+1[Microohm](#)+1
   - **Note**: Ideal for more demanding AI tasks like real-time object detection.

Input Devices

3. **USB Webcam (1080p)**
   - **Price**: EGP 500 – EGP 1,000[Desertcart](#)
   - **Note**: For image and video input.
4. **ReSpeaker 4-Mic Array for Raspberry Pi**
   - **Price**: EGP 1,500 – EGP 2,000[Sixfab](#)+9[Desertcart](#)+9[USA Business Insurance |](#)+9
   - **Note**: Provides better voice recognition with far-field pickup.
5. **PIR Motion Sensor**
   - **Price**: EGP 50 – EGP 100
   - **Note**: Detects motion for triggering events.

Connectivity Modules

8. **4G LTE Modem Kit for Raspberry Pi**
   - **Price**: EGP 2,000 – EGP 3,000[Unmanned Tech Shop](#)+6[Desertcart](#)+6[USA Business Insurance |](#)+6
   - **Note**: Enables cellular connectivity for remote operations.

Output & Display

9. **7" Raspberry Pi Touchscreen Display**
   - **Price**: EGP 2,000 – EGP 2,500
   - **Note**: Provides a user interface for interaction.
10. **Speakers or Buzzers**
    - **Price**: EGP 100 – EGP 500
    - **Note**: For audio output and alerts.

Power & Storage

11. **Official Raspberry Pi Power Supply (5V/3A)**
    - o **Price**: EGP 300 – EGP 500
    - o **Note**: Ensures stable power supply to the Raspberry Pi.
12. **MicroSD Card (64GB or higher)**
    - o **Price**: EGP 300 – EGP 600
    - o **Note**: For operating system and data storage.
13. **Enclosure or Case**
    - o **Price**: EGP 200 – EGP 500
    - o **Note**: Protects the hardware components.