

JOB ROLE – Domestic Biometric Data Operator

Sector – Information Technology and Information Technology
enabled Services
(Qualification Pack Code: SSC/Q2213)



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**UNIT 2: PROCEDURES AND TOOLS FOR
BIOMETRIC DATA**

**SESSION 4. INTERFACING OF BIOMETRIC
DEVICES**

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Session Objectives

The students will be able to:

- Explain Biometrics Human-Machine Interface
- Describe BHMI structure

Introduction

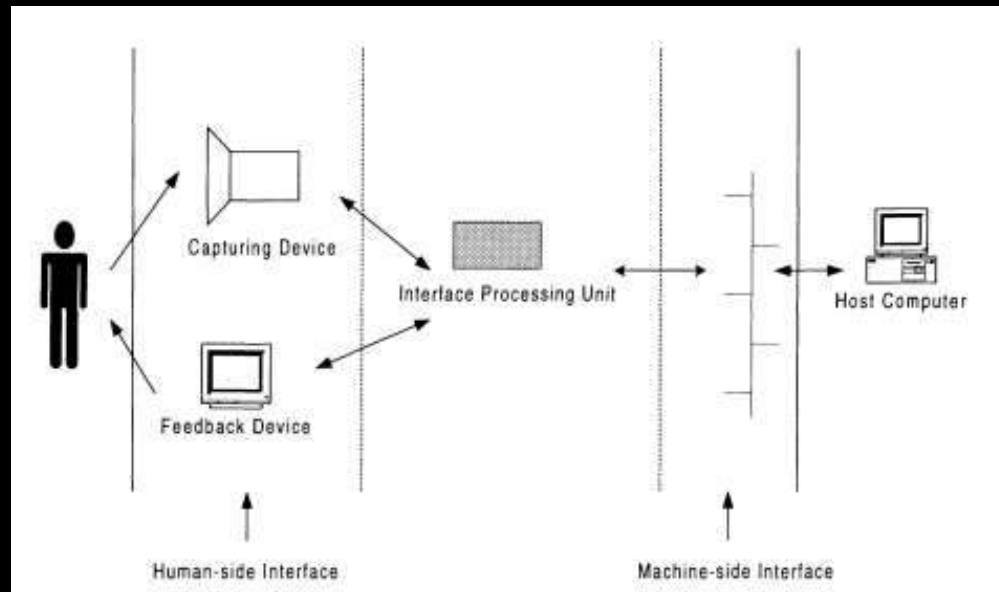
Biometric interface is the system by which one biometric system element communicates with another. These elements may be devices, software, or entire system. The exchange of information – in general is that of biometric data. Interfaces are essentials for biometric system architecture and design and provide the basis for interoperability. One such biometric interface. Observe that it contain biometric devices, networking with other devices such as workstation, server and output devices.



Biometrics Human-Machine Interface

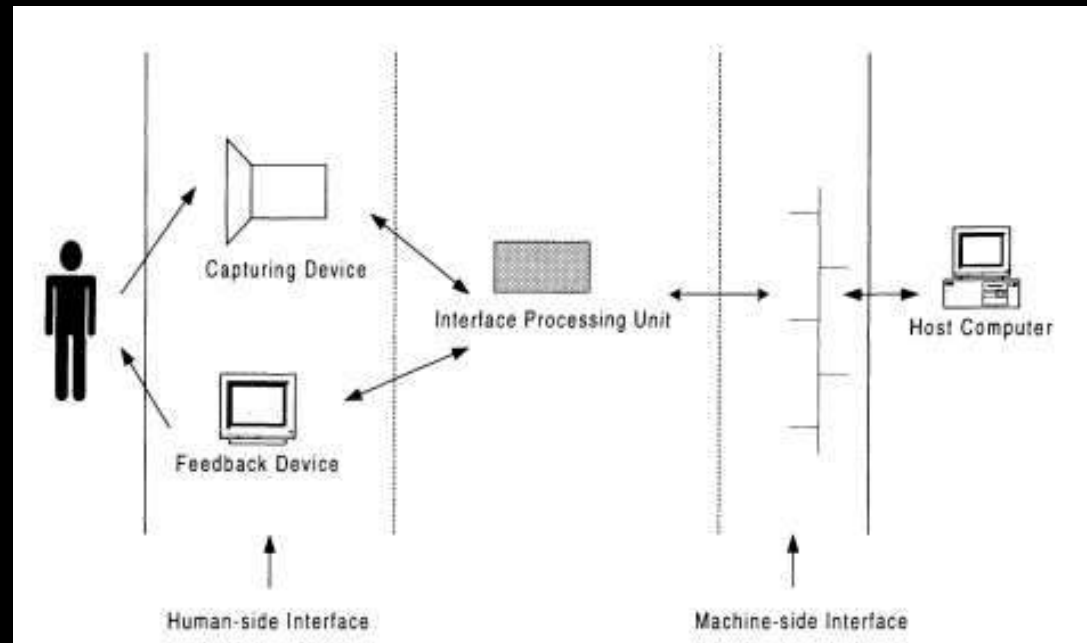
Biometrics Human-Machine interface (BHMI) is the part of a biometrics system which interacts with the end user and communicates with the host computer. The end user's attitude to the BHMI is critical to his or her attitude to the whole biometrics system.

A typical diagram of Biometric Human-Machine interface (BHMI) and user are at the end of both sides. So a biometrics system is not reasonably a good one if it has not a good human-machine interface.



BHMI STRUCTURE

A general structure of the human-machine interface of a biometrics system. Generally, the end user presents his or her biometrics source, i.e., a finger in a fingerprint system, an eye in an iris system. Then the capturing device gets a sample of the biometrics characteristic. Usually this sample will not be sent to the computer immediately because it is not suitable to be processed at the moment.



Summary

In this session, you have learnt about the different type of Interfacing of Biometric Devices.

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