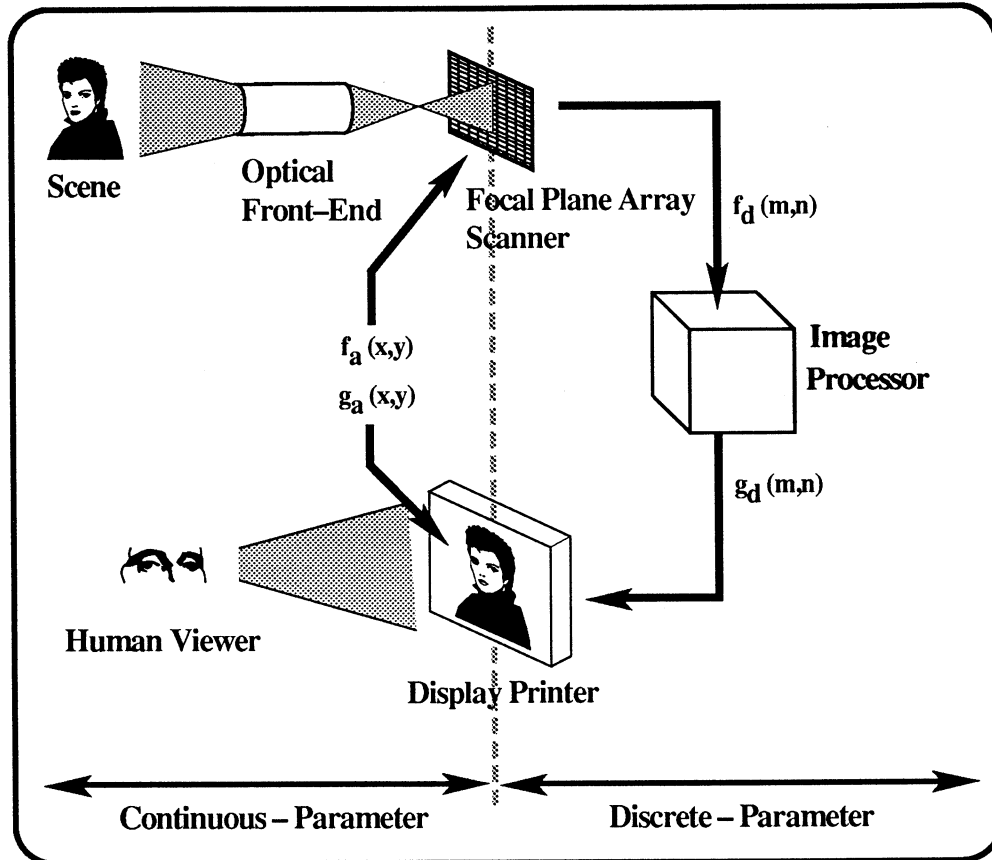


IMAGING SYSTEMS OVERVIEW



ELECTRONIC IMAGING

Application Areas

- Home entertainment
- Business communication
- Manufacturing
- Medicine
- Scientific research
- Military command, control, and communications

Key Elements

- Acquisition of real-world image information
- Digital processing of that information
- Presentation of results to a human viewer

Module Objectives

- Develop tools for analysis of imaging systems
- Introduce basic concepts of digital image processing

MODULE 2 OUTLINE

1. 2-D Linear Systems and Spectral Analysis
2. Sampling and Scanning
3. Human Visual System
4. Printing and Display of Images
5. Image Enhancement
6. Image Compression