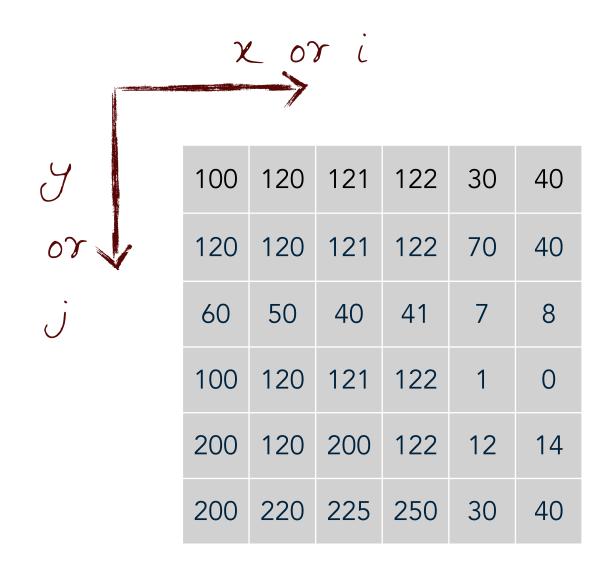
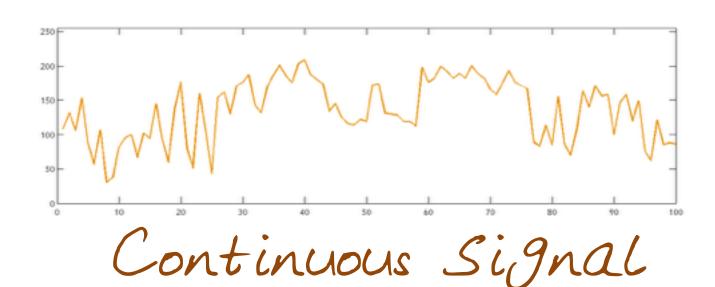
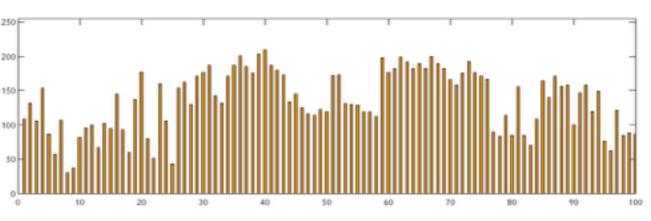
Digital Image is a Function



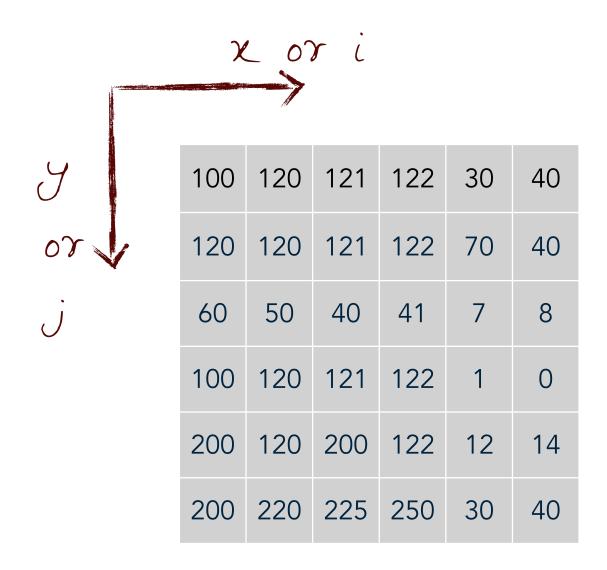


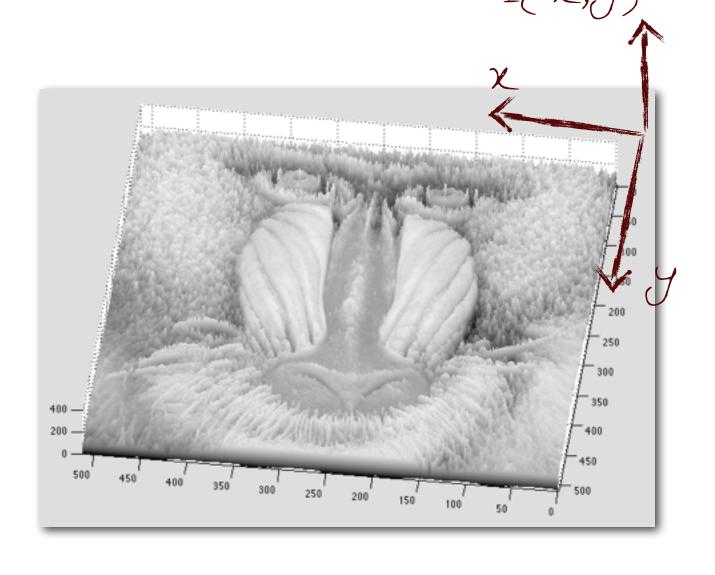


Discrete Signal

Slide adapted from Steve Seitz and Aaron Bobick

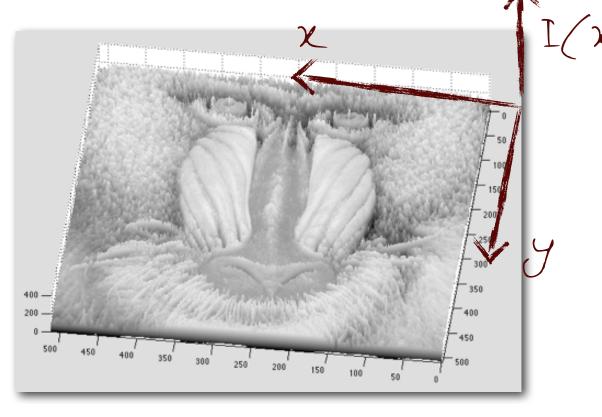
Digital Image is a Function I(x,y),





Digital Image is a Function

	100	120	121	122	30	40
	120	120	121	122	70	40
V	60	50	40	41	7	8
	100	120	121	122	1	0
	200	120	200	122	12	14
	200	220	225	250	30	40



- □ Typically, the functional operation requires discrete values
 - □ Sample the two-dimensional (2D) space on a regular grid
 - Quantize each sample (rounded to "nearest integer"))
- □ matrix of integer values (Range: 0-255)

Slide adapted from Steve Seitz and Aaron Bobick