Quiz 3, problem 1: what if color image?

• What is a color histogram?



3D RGB Color Cube

Discretize into 3D Histogram (accumulators)

To compute histogram of color image,

go to every pixel and increment its accumulator in histogram



H(R = 1; G = 1; B = 0) = H(R = 1; G = 1; B = 0) + 1

row





Separate them with a slicing plane

Requires more than a threshold



But you say, why don't we use hist_color to make it 1D??

