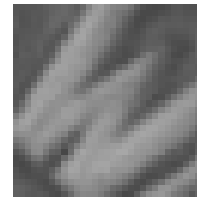


Pixels within a radius of 15 used to calculate the orientation



A 32x32 rotated patch is extracted



Pixels are sampled every 4 pixels, producing a down sampled 8x8 image

Let  $m$  = average intensity of the 8x8 patch



Binarisation of 8x8 patch

if pixel value  $\geq m$   
return 1  
else  
return 0

Feature vector = 00011000 .....  
64 bit value