(Batch, anchors per pixel * # pixels)

sigmoid

Reshape

Activation

The model is based on the 2d implementation by ma						atterport bb: bounding box			
Block name	Layer Type	Kernel Size	Activation	Filters	Block name	Layer Type	Kernel Size	Activation	Filters
PN class head	conv	3	relu	512	head	conv	3	relu	1024
	Dropout		Rate: 0.2			conv	1	linear	# anchors per pixel * 6
	conv	1	linear	# anchors per pixel	RPN bb	reshape	(Batch	•	t shape: er pixel * # pixels, 6)
	Reshane	output shape:							

					_			
RCNN Shared	conv	7		256				
	batch norm							
	activation		relu					
	conv	1		256				
	batch norm							
	activation		relu					
	dense			512				
RCNN class head	dropout		Rate: 0.5		CNN bb head	dense	linear	6
	dense			1	RCNN head	reshape	output shape: (Batch, # ROIs, 6)	
	activation		sigmoid					

	Layer name	Kernel Size	Activation	Filters	stride
	conv	3		256	1
	batch norm				
	activation		relu		
ad	conv	3		256	1
Mask head	batch norm				
ask	activation		relu		
Σ	conv	3		256	1
	batch norm				
	activation		relu		
	deconv	3	relu	256	2
	conv	1	sigmoid	1	