

Decoder	Encoder	Generator	
$BatchSize \times 128$	$BatchSize \times 32 \times 32 \times 3$	$BatchSize \times 128$	$BatchSize \times 128$
$4 \times 4 \times 128 \uparrow$	$5 \times 5 \times 32 \downarrow$	1024 Fully-Connected+BatchNorm+relu	
$5 \times 5 \times 64 \uparrow$	$5 \times 5 \times 64 \downarrow$	$5 \times 5 \times 512 \uparrow$ BatchNorm+relu	$5 \times 5 \times 512 \uparrow$ BatchNorm+relu
$5 \times 5 \times 32 \uparrow$	$5 \times 5 \times 128 \downarrow$	$5 \times 5 \times 256 \uparrow$ BatchNorm+relu	$5 \times 5 \times 256 \uparrow$ BatchNorm+relu
$5 \times 5 \times 3 \uparrow$	Dropout	$5 \times 5 \times 512 \uparrow$	
tanh	Flatten	$5 \times 5 \times 64 \uparrow$	
Flatten	128 Fully-Connected	tanh	
$BatchSize \times 3072$ Output	$BatchSize \times 128$ Output	$BatchSize \times 32 \times 32 \times 3$ Output	