

Input Dimension	Layer	Output Dimension
$256 \times 256 \times 3$	periodical pixel shuffling	$64 \times 64 \times 48$
$64 \times 64 \times 48$	Conv(4, 4, 48, 128)-‘SAME’-Batch_Norm-Relu	$64 \times 64 \times 128$
$64 \times 64 \times 128$	Conv(4, 4, 128, 64)-‘SAME’-Batch_Norm-Relu	$64 \times 64 \times 64$
$64 \times 64 \times 64$	Conv(4, 4, 64, 32)-‘SAME’-Batch_Norm-Relu	$64 \times 64 \times 32$
$64 \times 64 \times \{32, 3\}$	Concatenate in Channel	$64 \times 64 \times 35$
$64 \times 64 \times 35$	Conv(4, 4, 35, 64)-‘SAME’-Batch_Norm-Relu	$64 \times 64 \times 64$
$64 \times 64 \times 64$	Conv(4, 4, 64, 128)-‘SAME’-Batch_Norm-Relu	$64 \times 64 \times 128$
$64 \times 64 \times 128$	Conv(4, 4, 128, 48)-‘SAME’-Batch_Norm-Relu	$64 \times 64 \times 48$
$64 \times 64 \times 48$	periodical pixel shuffling	$256 \times 256 \times 3$