

Layers	Output shape
Input layer	$512 \times 128 \times 1$
Conv $5 \times 5$ , BN, ELU	$512 \times 128 \times 16$
MaxPooling $2 \times 2$	$256 \times 64 \times 16$
Conv $3 \times 3$ , BN, ELU	$256 \times 64 \times 32$
MaxPooling $2 \times 2$	$128 \times 32 \times 32$
Conv $3 \times 3$ , BN, ELU	$128 \times 32 \times 64$
MaxPooling $2 \times 2$	$64 \times 16 \times 64$
Conv $3 \times 3$ , BN, ELU	$64 \times 16 \times 64$
MaxPooling $2 \times 2$	$32 \times 8 \times 64$
Conv $3 \times 3$ , BN, ELU	$32 \times 8 \times 64$
MaxPooling $2 \times 2$	$16 \times 4 \times 64$
Conv $3 \times 3$ , BN, ELU	$16 \times 4 \times 64$
MaxPooling $2 \times 2$	$8 \times 2 \times 64$