

Input $1 \times 512 \times 128$
$5 \times 5$ Conv(pad-2, stride-2)-32-BN-ReLu
$3 \times 3$ Conv(pad-1, stride-1)-32-BN-ReLu
$2 \times 2$ Max-Pooling + Drop-Out(0.3)
$3 \times 3$ Conv(pad-1, stride-1)-64-BN-ReLu
$3 \times 3$ Conv(pad-1, stride-1)-64-BN-ReLu
$2 \times 2$ Max-Pooling + Drop-Out(0.3)
$3 \times 3$ Conv(pad-1, stride-1)-128-BN-ReLu
$3 \times 3$ Conv(pad-1, stride-1)-128-BN-ReLu
$3 \times 3$ Conv(pad-1, stride-1)-128-BN-ReLu
$3 \times 3$ Conv(pad-1, stride-1)-128-BN-ReLu
$2 \times 2$ Max-Pooling + Drop-Out(0.3)
$3 \times 3$ Conv(pad-0, stride-1)-512-BN-ReLu
Drop-Out(0.5)
$1 \times 1$ Conv(pad-0, stride-1)-512-BN-ReLu
Drop-Out(0.5)
$1 \times 1$ Conv(pad-0, stride-1)-15-BN-ReLu
Global-Average-Pooling
DWCCA (if applied)
15-way Soft-Max