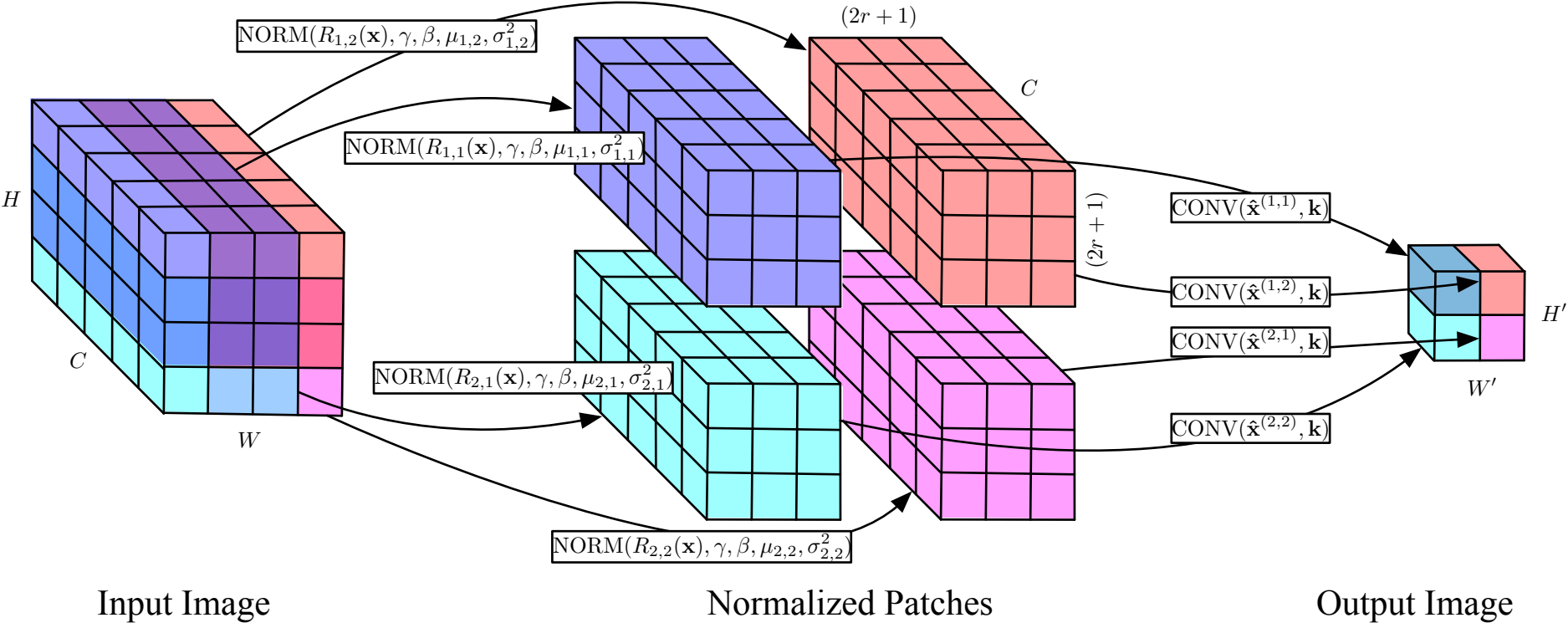
$\mathrm{NORM}(R_{1,2}(\mathbf{x}), \gamma, \beta, \mu_{1,2}, \sigma^2_{1,2})$
$(2r+1)$
C
$\mathrm{NORM}(R_{1,1}(\mathbf{x}), \gamma, \beta, \mu_{1,1}, \sigma^2_{1,1})$
H
$(2r+1)$
$\mathrm{CONV}(\hat{\mathbf{x}}^{(1,1)}, \mathbf{k})$
$\mathrm{CONV}(\hat{\mathbf{x}}^{(1,2)}, \mathbf{k})$
$\mathrm{CONV}(\hat{\mathbf{x}}^{(2,1)}, \mathbf{k})$
$\mathrm{CONV}(\hat{\mathbf{x}}^{(2,2)}, \mathbf{k})$
H'
C
$\mathrm{NORM}(R_{2,1}(\mathbf{x}), \gamma, \beta, \mu_{2,1}, \sigma^2_{2,1})$
W'
W
$\mathrm{NORM}(R_{2,2}(\mathbf{x}), \gamma, \beta, \mu_{2,2}, \sigma^2_{2,2})$
Input Image
Normalized Patches
Output Image