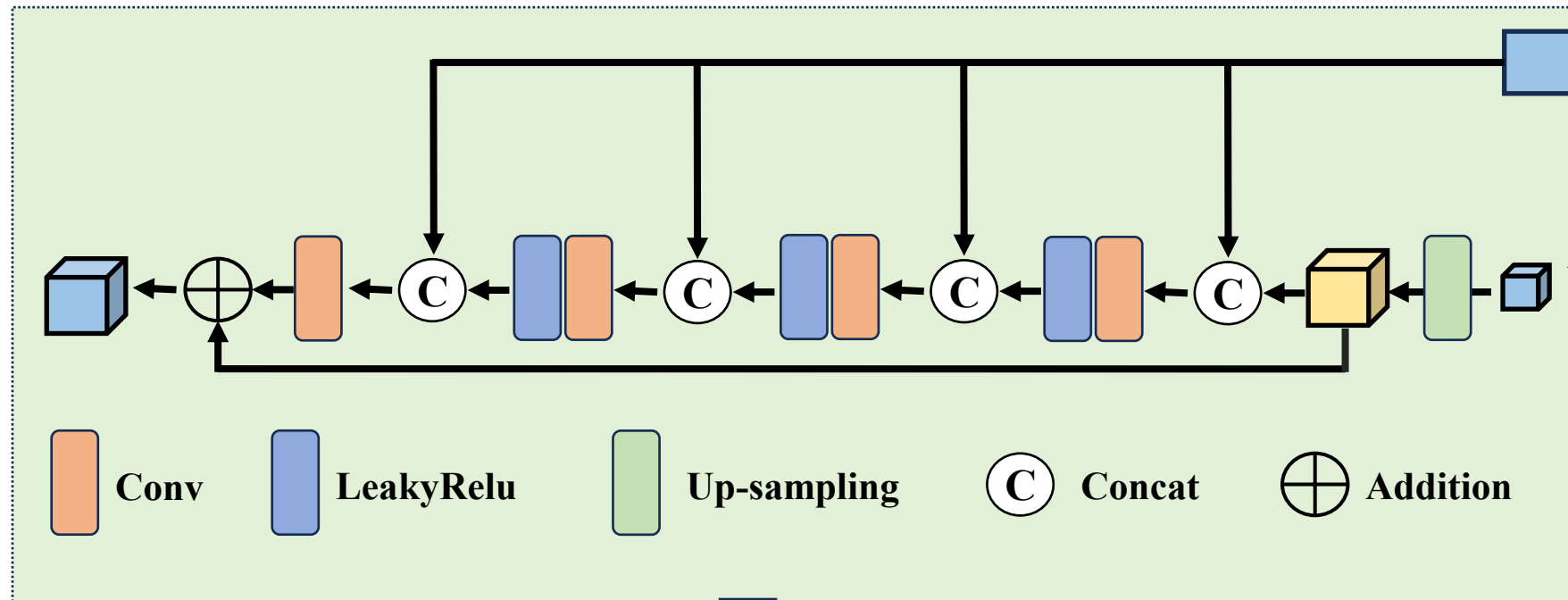
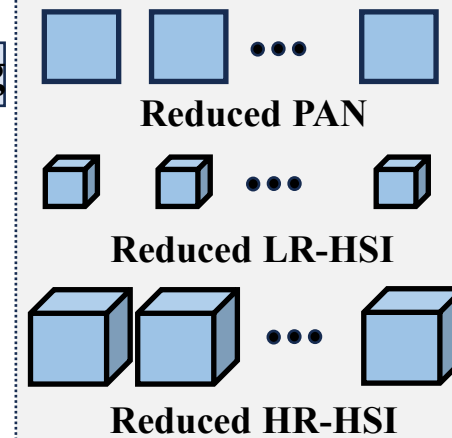


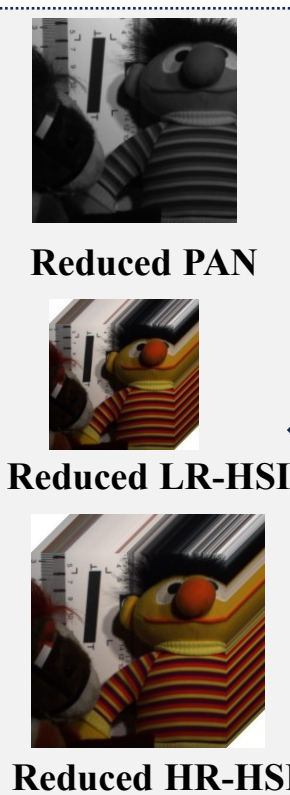
## Zero-shot network training:



## Simulated training data:



Patching

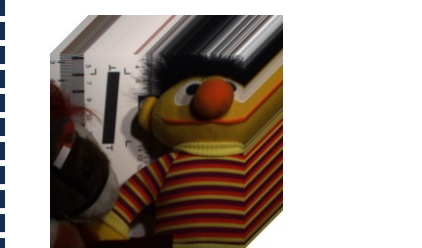


Degradation

## Inputs:

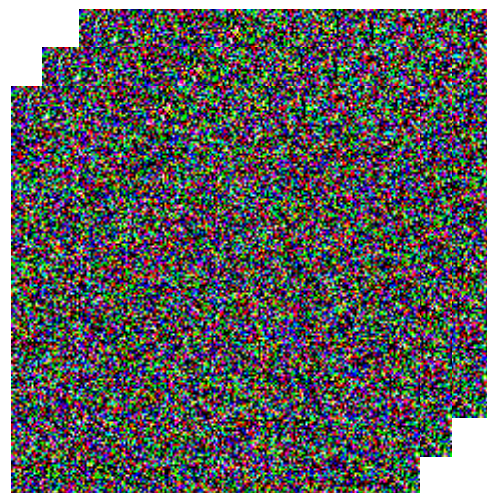


PAN  $\mathbf{P} \in \mathbb{R}^{H \times W}$



LR-HSI  $\mathcal{Y} \in \mathbb{R}^{h \times w \times S}$

$f_{\psi}(\mathcal{Y}, \mathbf{P})$



Diffusion with  
ZS guidance

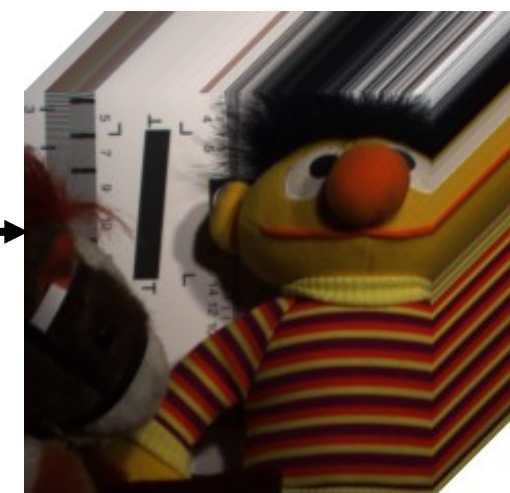
Guidance form: Eq. (2)



NSSD  
Update

Diffusion with  
ZS guidance

NSSD  
Update



HR-HSI  $\mathcal{X} \in \mathbb{R}^{H \times W \times S}$