

Deeply Recursive CN > VDSR >

DRCN – Applies same Convolutional layer recursively as many as 16 times. This helps one avoid additional parameters while having an increased depth.

Issues:

Exploding/vanishing gradients -> recursive supervision strategy

Time take for training – no solution

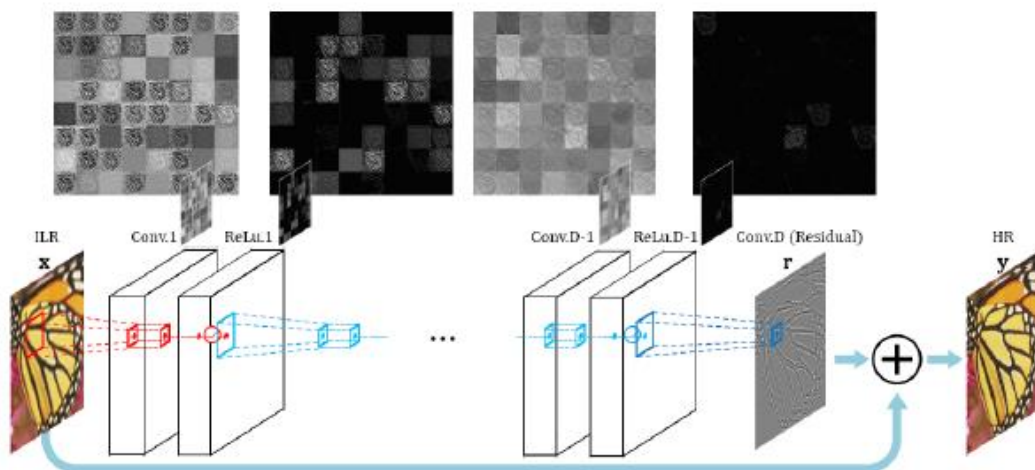


Fig. 7: VDSR [51].

VDSR – very deep convolution as deep as 20 layers deep

Issues:

Slow convergence due to high depth -> higher learning rates

exploding gradients -> learning residuals and adaptive gradient clipping