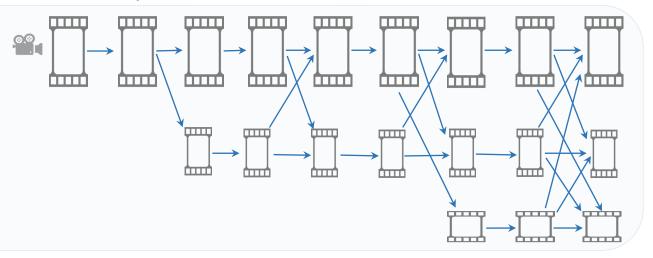
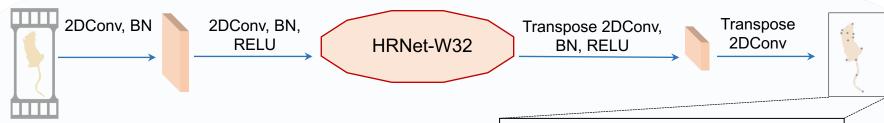
Deep convolutional neural network for pose estimation

A. The HRNet-W32 neural network architecture for performing pose estimation.





12.

Tail Tip

B. The inference pipeline sends videoframes into HRNet-W32, following which 2D convolution (2DConv), Batch-Normalization (BN) and Rectified Linear Unit (RELU) operations are carried out which generates twelve key point heatmaps as output. Finally, a 2D argmax is performed on these key point heatmaps to produce the twelve 2D pose coordinates.

