

# Datasets

---

## REDS

- 300 Sequences
  - 240 for training
  - 30 for validation
  - 30 for testing
- Each sequence contains 100 video frames with 1280x720 resolution at 24 fps.
- To generate the low-resolution data, the videos are bicubic downsampled by scale 4, which means the low-resolution frames have the 320x180 resolution.
- The low-resolution images are considered as input, and the high-resolution images are the target.

### Spatio-Temporal

- only use the even-numbered frames (00, 02, ..., 98) with Low-Resolution, and output all of the frames (00, 01, ..., 99) in High-Resolution.
- Namely, This challenge track is for x4 spatial super-resolution and x2 temporal super-resolution.

## Vid4

- A Bayesian approach to adaptive video super resolution.
- <https://people.csail.mit.edu/celiu/pdfs/TPAMI13-VSR.pdf>

## DIV2K

## Vimeo90K

- Video enhancement with task-oriented flow.

## SPMCS

- Detail-revealing deep video super-resolution.