



# DTU



MINIST and THE IS

Data

5	0	4	1	9	2	1
2	4	3	2	7	3	8
3	0	7	4	9	8	0
0	2	1	1	7	9	0
5	7	1	7	1	1	6
8	6	4	1	6	3	4
4	6	1	9	9	6	0

**Mnisst**

Handwritten digits from 0 through 9

28 x 28 black / white pictures

**THE TIS**







Videos of people performing tennis shots

480 x 640 RGB + black / white depth videos of varying lengths









Data

# MNIST and THETIS

## MNIST



Handwritten digits from 0 through 9  
28 x 28 black / white pictures

## THETIS

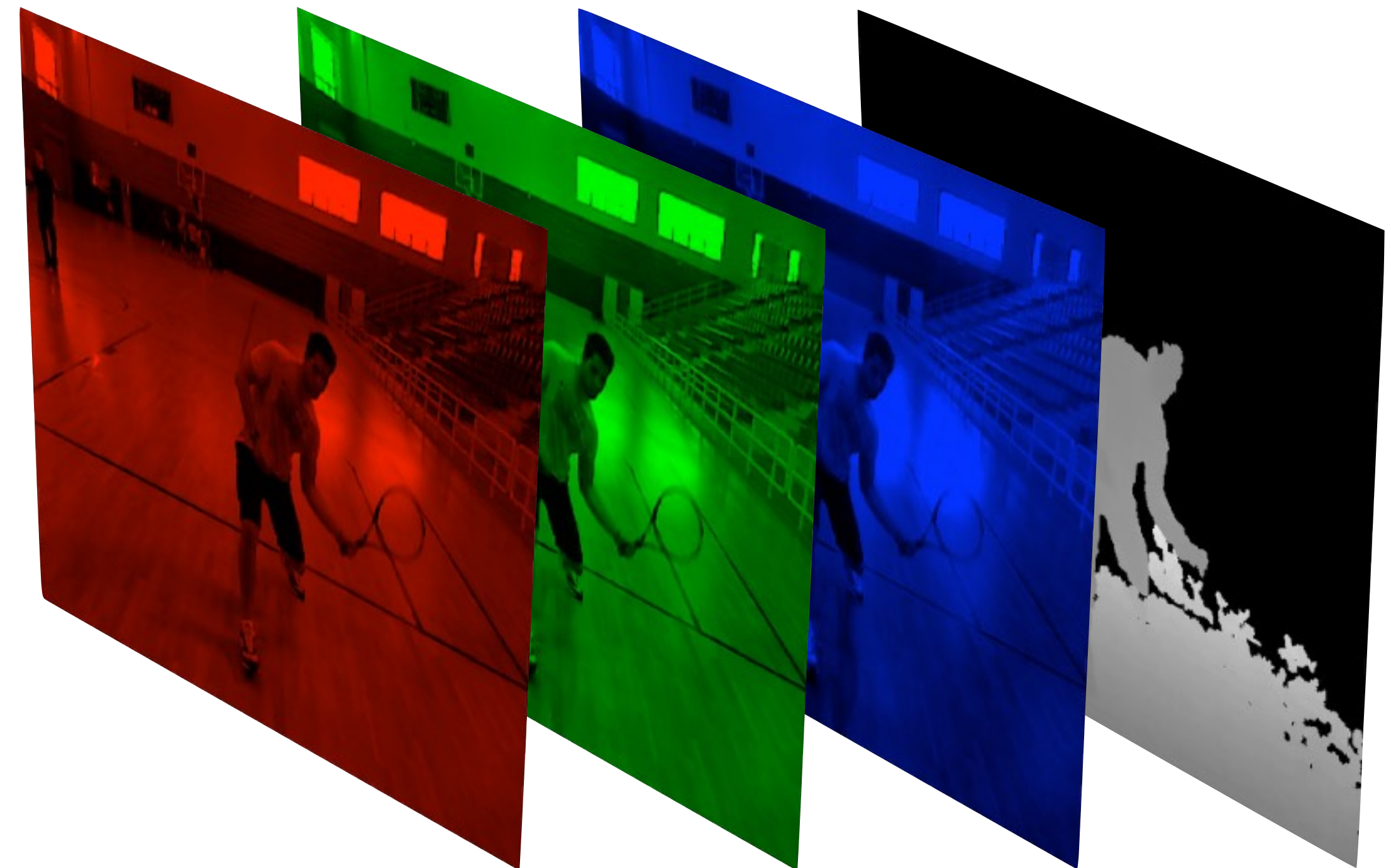


Videos of people performing tennis shots  
480 x 640 RGB + black / white depth videos of varying lengths



# Preprocessing for THETIS

- Included the depth video to have **4 channels** for each frame
- Made all videos have same length by taking a fixed number of frames on either side of a manually assigned middle of each shot
- Decreased resolution to 120 x 160



Each of the input channels of a single frame in a video