

Train Dataloader - 176

Test Dataloader - 45

Device Used - cuda

Model Used - CNN_3D

Feature Extraction - True

Background Subtraction - True

Background Subtraction Algorithm - GMG

Data Augmentation - False

Spatial Temporal Loss - False

Frame rate adjusted dataset - True

Window Length = 8

Stride = 1

Fair Comparison = True

Dropout = 0.25

Learning Rate = 0.0002

Num Epochs = 20

Chunk Size = 64

Forward Chunk Size = 8

Loss Fn = BCELoss()

Training has Begun

epoch [1/20], loss:0.2635

epoch [2/20], loss:0.0874

epoch [3/20], loss:0.0869

epoch [4/20], loss:0.0867

epoch [5/20], loss:0.0867

epoch [6/20], loss:0.0867

epoch [7/20], loss:0.0867

epoch [8/20], loss:0.0867

epoch [9/20], loss:0.0867

epoch [10/20], loss:0.0866

epoch [11/20], loss:0.0867

epoch [12/20], loss:0.0866

epoch [13/20], loss:0.0866

epoch [14/20], loss:0.0866

epoch [15/20], loss:0.0866

epoch [16/20], loss:0.0866

epoch [17/20], loss:0.0866

epoch [18/20], loss:0.0866

epoch [19/20], loss:0.0866

epoch [20/20], loss:0.0866

Training has Completed

Forward pass occurring

Forward pass completed

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CNN Performance Results

Threshold 0.93

TPR 0.875, FPR 0.0, Precision 1.0, Recall 0.875

tn 29528, fp 0, fn 196, tp 1372
