

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:0.6647

epoch [2/20], loss:0.6504

epoch [3/20], loss:0.3062

epoch [4/20], loss:0.2868

epoch [5/20], loss:0.2792

epoch [6/20], loss:0.2795

epoch [7/20], loss:0.2784

epoch [8/20], loss:0.2779

epoch [9/20], loss:0.2774

epoch [10/20], loss:0.2769

epoch [11/20], loss:0.2752

epoch [12/20], loss:0.2741

epoch [13/20], loss:0.2737

epoch [14/20], loss:0.2772

epoch [15/20], loss:0.2767

epoch [16/20], loss:0.2764

epoch [17/20], loss:0.2767

epoch [18/20], loss:0.2755

epoch [19/20], loss:0.2755

epoch [20/20], loss:0.2754

Training has Completed

Forward pass occurring

Forward pass completed

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CNN Performance Results

Threshold 0.5

TPR 0.625, FPR 0.0, Precision 1.0, Recall 0.625

tn 29240, fp 0, fn 360, tp 600
