

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

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:0.2244
epoch [2/20], loss:0.0872
epoch [3/20], loss:0.0868
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:0.0866
epoch [10/20], loss:0.0866
epoch [11/20], loss:0.0866
epoch [12/20], loss:0.0867
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

Thermal_T3_2024-03-26-03-40-58

CNN Performance Results

Threshold 0.85

TPR 0.875, FPR 0.0014427040395713108, Precision 0.974025974025974, Recall 0.875
tn 9690, fp 14, fn 75, tp 525
