

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:0.6315
epoch [2/20], loss:0.1758
epoch [3/20], loss:0.1739
epoch [4/20], loss:0.1736
epoch [5/20], loss:0.1734
epoch [6/20], loss:0.1734
epoch [7/20], loss:0.1733
epoch [8/20], loss:0.1733
epoch [9/20], loss:0.1733
epoch [10/20], loss:0.1733
epoch [11/20], loss:0.1733
epoch [12/20], loss:0.1733
epoch [13/20], loss:0.1733
epoch [14/20], loss:0.1733
epoch [15/20], loss:0.1733
epoch [16/20], loss:0.1733
epoch [17/20], loss:0.1733
epoch [18/20], loss:0.1733
epoch [19/20], loss:0.1733
epoch [20/20], loss:0.1733
Training has Completed

Forward pass occurring
Forward pass completed

Thermal_T3_2024-03-26-03-10-14

CNN Performance Results

Threshold 0.9400000000000001

TPR 0.75, FPR 0.001236603462489695, Precision 0.974025974025974, Recall 0.75
tn 9692, fp 12, fn 150, tp 450
