Politecnico di Milano
AA 2018 - 2019

Computer Science and Engineering

IMAGE ANALYSIS AND COMPUTER VISION PROJECT

BACKGROUND SUBTRACTION

Results report:

Webcam: A08 - km. 6,5 Villoresi itinere Sud

Threshold = 40

Ratio = 0.85

Andrea Mazzeo - 895579
Daniele Moltisanti - 898977

BACKGROUND DETECTION NUMBER 0 WITH THRESHOLD OF 10

Background detected with accuracy of 85.34%

Original frame:

Background detected:

Error plotted with threshold of 12:

BACKGROUND DETECTION NUMBER 1 WITH THRESHOLD OF 10

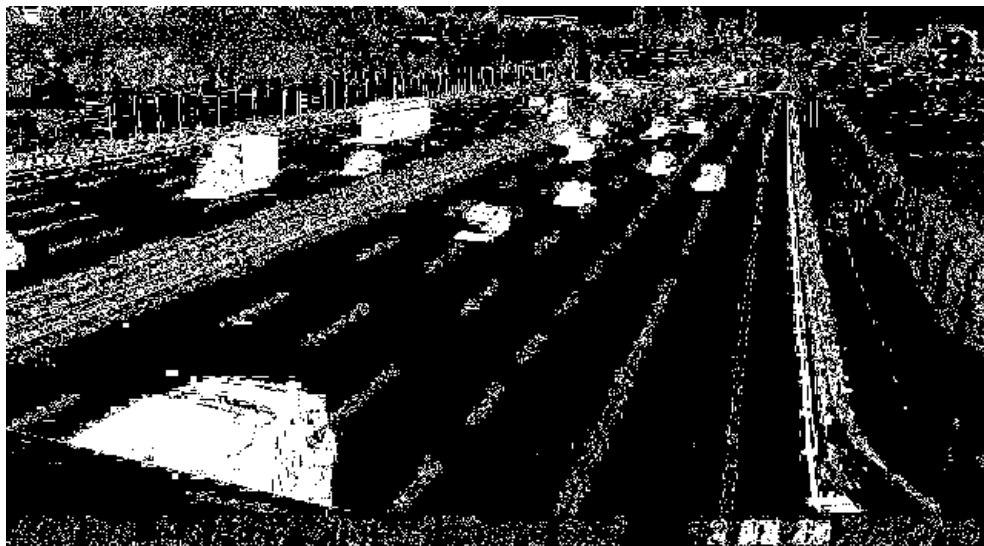Background detected with accuracy of 79.49%

Original frame:

Background detected:

Error plotted with threshold of 12:

BACKGROUND DETECTION NUMBER 2 WITH THRESHOLD OF 10

Background detected with accuracy of 82.26%

Original frame:

Background detected:

Error plotted with threshold of 12:

BACKGROUND DETECTION NUMBER 3 WITH THRESHOLD OF 10

Background detected with accuracy of 83.24%

Original frame:

Background detected:

Error plotted with threshold of 12:

BACKGROUND DETECTION NUMBER 4 WITH THRESHOLD OF 10

Background detected with accuracy of 84.17%

Original frame:

Background detected:

Error plotted with threshold of 12:

BACKGROUND DETECTION NUMBER 5 WITH THRESHOLD OF 10

Background detected with accuracy of 86.13%

Original frame:

Background detected:

Error plotted with threshold of 12:

BACKGROUND DETECTION NUMBER 6 WITH THRESHOLD OF 10

Background detected with accuracy of 86.98%

Original frame:

Background detected:

Error plotted with threshold of 12:

BACKGROUND DETECTION NUMBER 7 WITH THRESHOLD OF 10
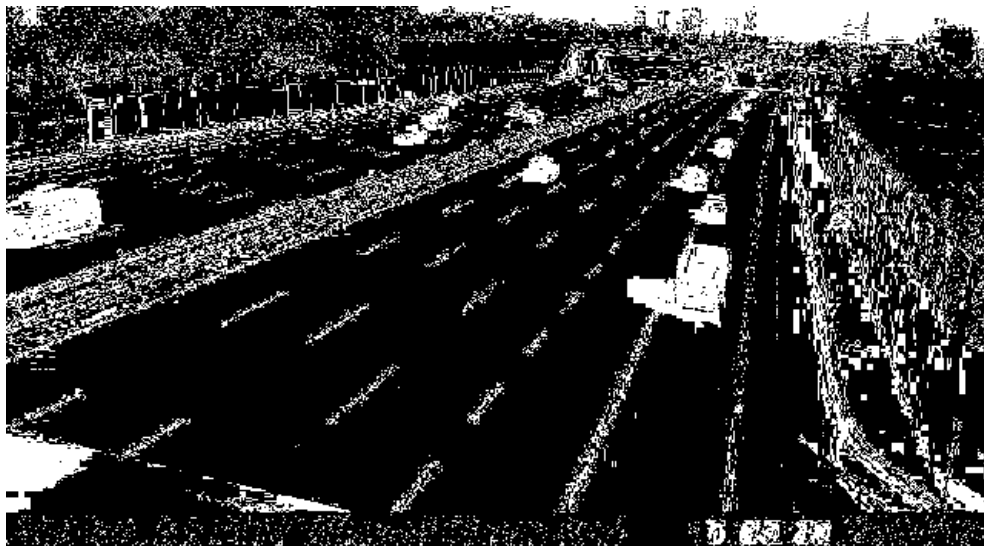
Background detected with accuracy of 78.34%

Original frame:

Background detected:

Error plotted with threshold of 12:

BACKGROUND DETECTION NUMBER 8 WITH THRESHOLD OF 10
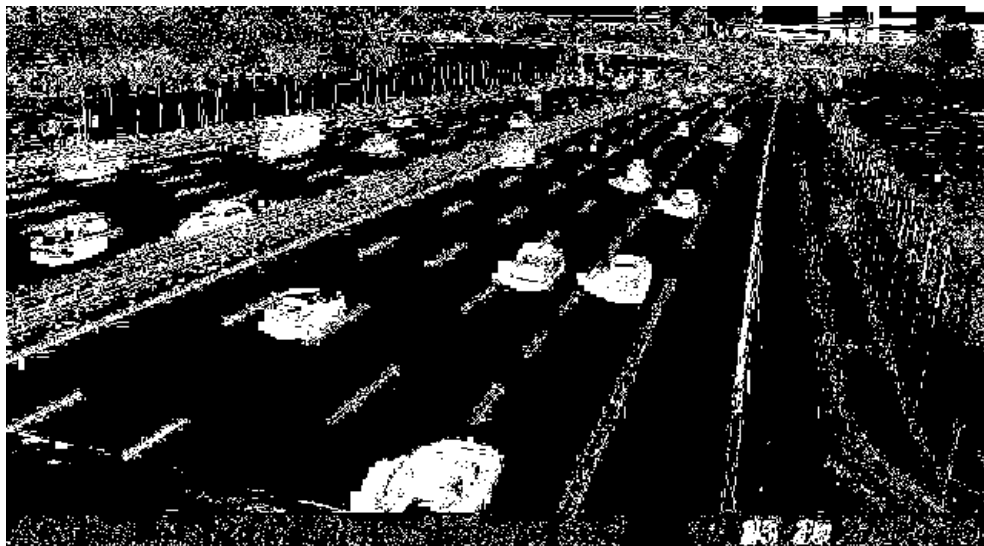
Background detected with accuracy of 79.8%

Original frame:

Background detected:

Error plotted with threshold of 12:

BACKGROUND DETECTION NUMBER 9 WITH THRESHOLD OF 10
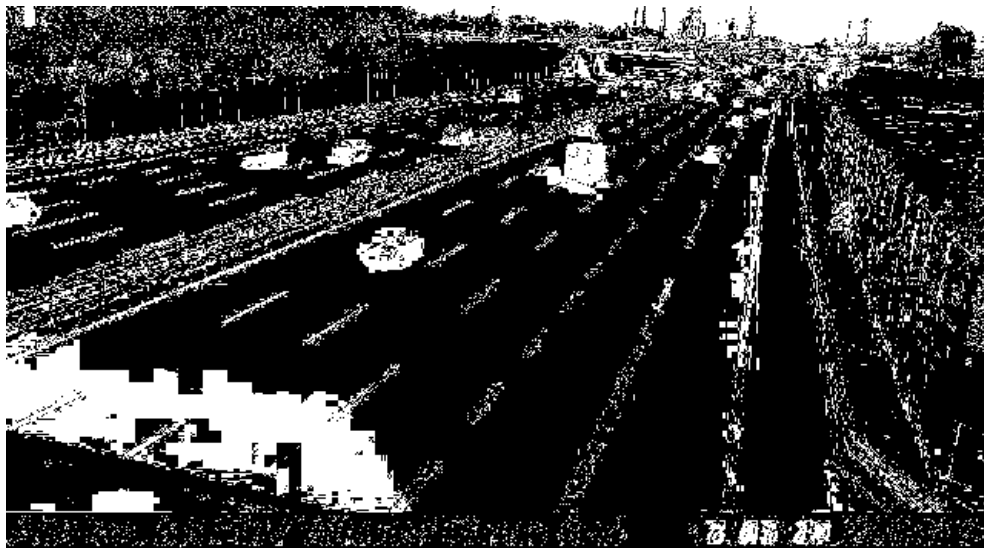
Background detected with accuracy of 75.07%

Original frame:

A08 km. 6,5 PMV Villoresi itinere Sud   18:21:35 27/04/19

Background detected:

A08 km. 6,5 PMV Villoresi itinere Sud   18:03:48 27/04/19

Error plotted with threshold of 12:

BACKGROUND DETECTION NUMBER 10 WITH THRESHOLD OF 10
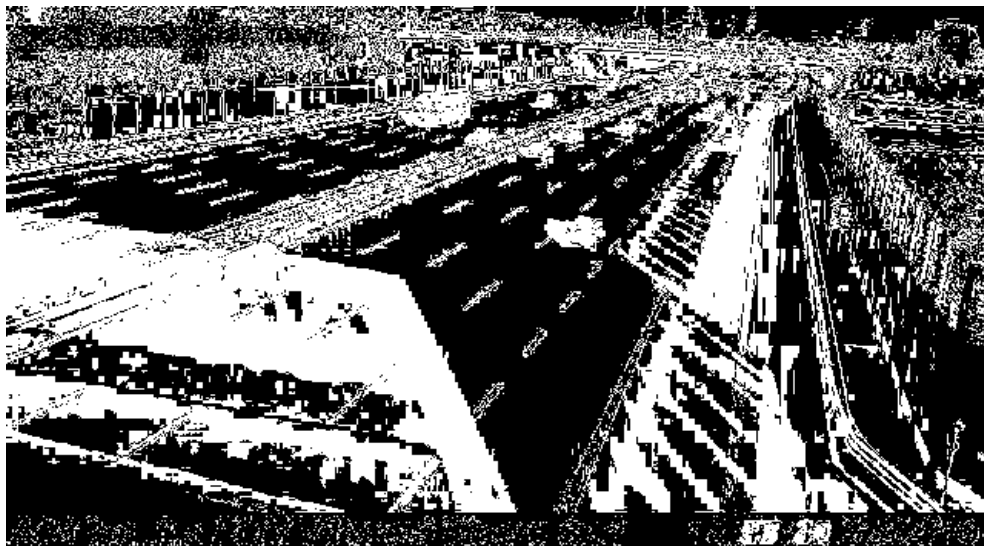
Background detected with accuracy of 55.15%

Original frame:

Background detected:

Error plotted with threshold of 12:

BACKGROUND DETECTION NUMBER 11 WITH THRESHOLD OF 10
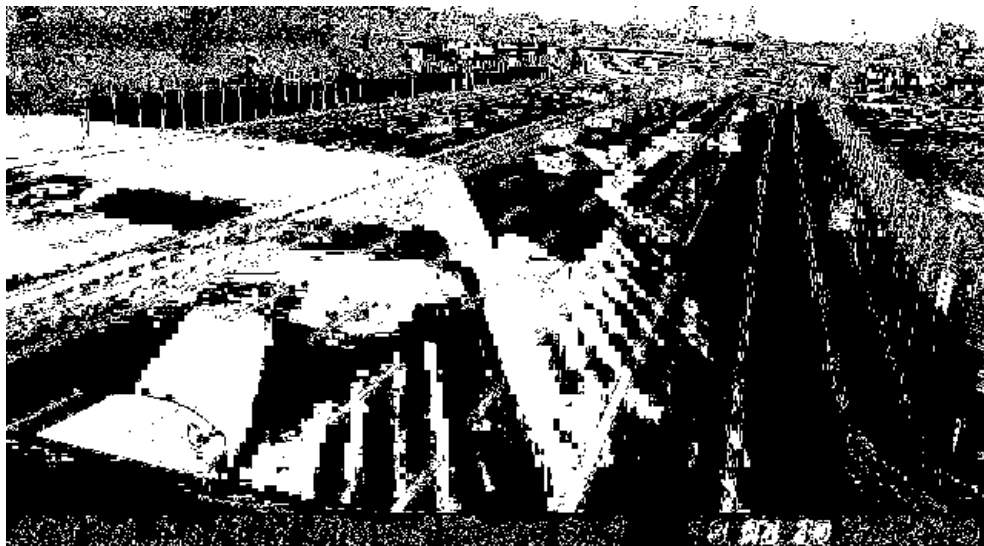
Background detected with accuracy of 58.79%

Original frame:

Background detected:

Error plotted with threshold of 12:

BACKGROUND DETECTION NUMBER 12 WITH THRESHOLD OF 10

Background detected with accuracy of 61.36%

Original frame:

Background detected:

Error plotted with threshold of 12:

BACKGROUND DETECTION NUMBER 13 WITH THRESHOLD OF 10

Background detected with accuracy of 10.44%
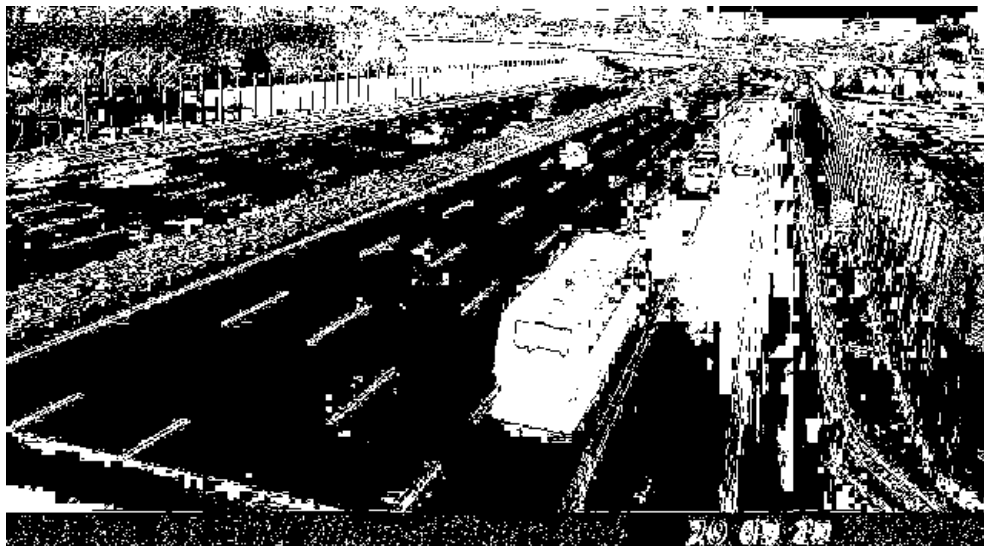
Original frame:

Background detected:

Error plotted with threshold of 12:

BACKGROUND DETECTION NUMBER 14 WITH THRESHOLD OF 10

Background detected with accuracy of 46.62%

Original frame:

Background detected:

Error plotted with threshold of 12:

BACKGROUND DETECTION NUMBER 15 WITH THRESHOLD OF 10

Background detected with accuracy of 65.77%

Original frame:

Background detected:

Error plotted with threshold of 12:

BACKGROUND DETECTION NUMBER 16 WITH THRESHOLD OF 10

Background detected with accuracy of 71.1%

Original frame:

Background detected:

Error plotted with threshold of 12:

BACKGROUND DETECTION NUMBER 17 WITH THRESHOLD OF 10

Background detected with accuracy of 82.7%
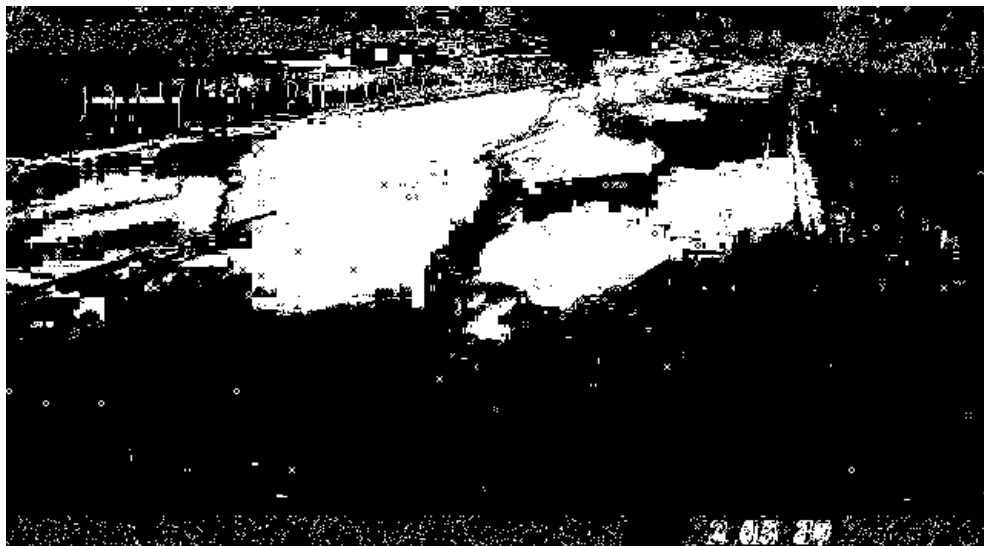
Original frame:

Background detected:

Error plotted with threshold of 12:

BACKGROUND DETECTION NUMBER 18 WITH THRESHOLD OF 10

Background detected with accuracy of 85.3%

Original frame:

Background detected:

Error plotted with threshold of 12:

BACKGROUND DETECTION NUMBER 19 WITH THRESHOLD OF 10

Background detected with accuracy of 62.48%

Original frame:

Background detected:

Error plotted with threshold of 12:

BACKGROUND DETECTION NUMBER 20 WITH THRESHOLD OF 10

Background detected with accuracy of 84.01%

Original frame:

Background detected:

Error plotted with threshold of 12:

BACKGROUND DETECTION NUMBER 21 WITH THRESHOLD OF 10

Background detected with accuracy of 46.31%

Original frame:

Background detected:

Error plotted with threshold of 12:

BACKGROUND DETECTION NUMBER 22 WITH THRESHOLD OF 10

Background detected with accuracy of 49.36%

Original frame:

Background detected:

Error plotted with threshold of 12:

BACKGROUND DETECTION NUMBER 23 WITH THRESHOLD OF 10

Background detected with accuracy of 42.11%

Original frame:

Background detected:

Error plotted with threshold of 12:

BACKGROUND DETECTION NUMBER 24 WITH THRESHOLD OF 10

Background detected with accuracy of 54.57%

Original frame:

Background detected:

Error plotted with threshold of 12:

BACKGROUND DETECTION NUMBER 25 WITH THRESHOLD OF 10

Background detected with accuracy of 64.06%

Original frame:

Background detected:

Error plotted with threshold of 12:

BACKGROUND DETECTION NUMBER 26 WITH THRESHOLD OF 10
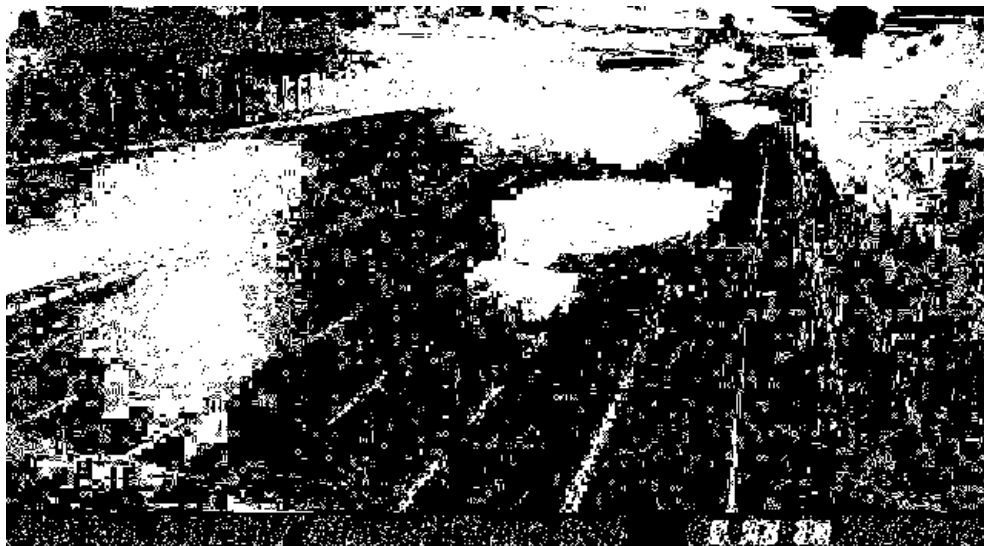
Background detected with accuracy of 59.52%

Original frame:

Background detected:

Error plotted with threshold of 12:

BACKGROUND DETECTION NUMBER 27 WITH THRESHOLD OF 10

Background detected with accuracy of 48.3%

Original frame:

Background detected:

Error plotted with threshold of 12:

BACKGROUND DETECTION NUMBER 28 WITH THRESHOLD OF 10
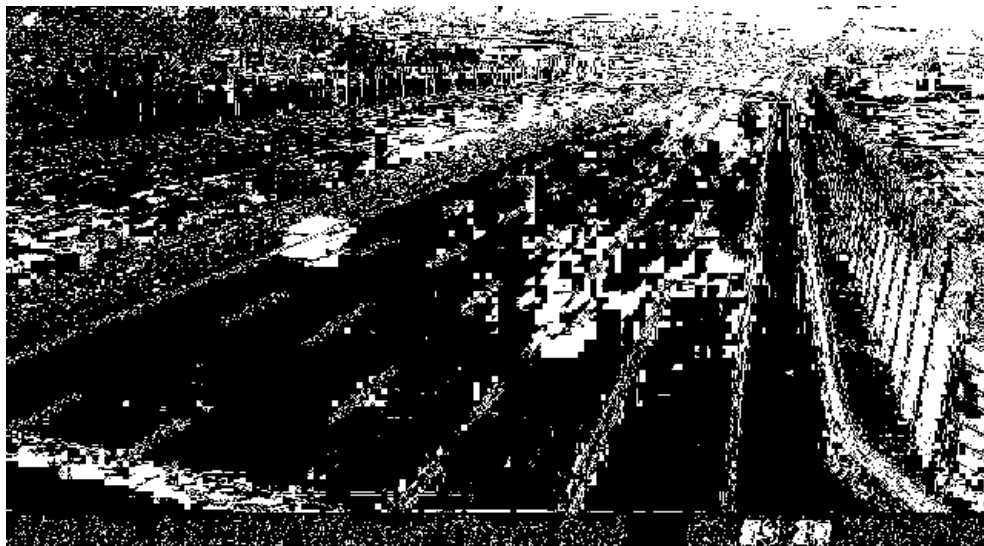
Background detected with accuracy of 68.38%

Original frame:

Background detected:

Error plotted with threshold of 12:

BACKGROUND DETECTION NUMBER 29 WITH THRESHOLD OF 10
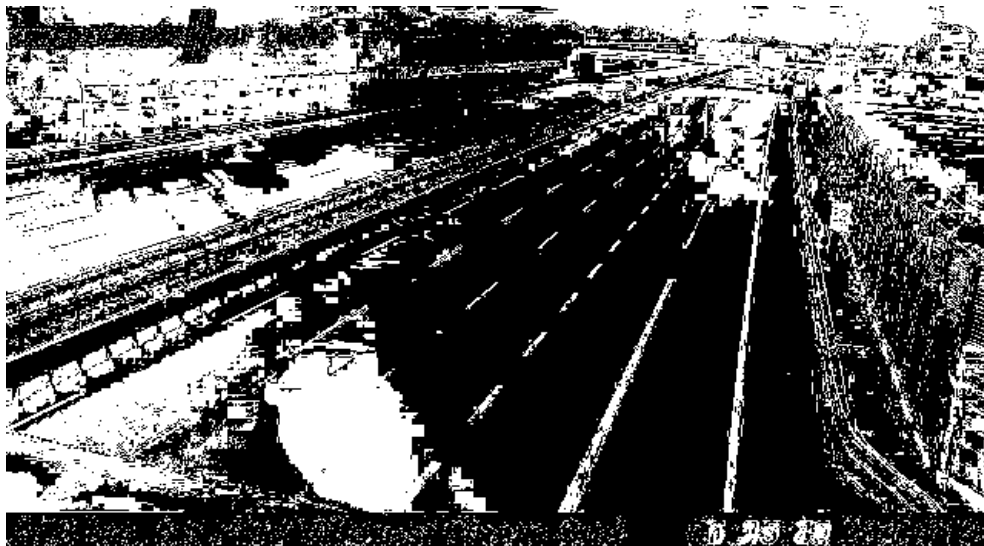
Background detected with accuracy of 59.51%

Original frame:

Background detected:

Error plotted with threshold of 12:

BACKGROUND DETECTION NUMBER 30 WITH THRESHOLD OF 10

Background detected with accuracy of 70.24%

Original frame:

Background detected:

Error plotted with threshold of 12:

BACKGROUND DETECTION NUMBER 31 WITH THRESHOLD OF 10

Background detected with accuracy of 73.66%

Original frame:

Background detected:

Error plotted with threshold of 12:

BACKGROUND DETECTION NUMBER 32 WITH THRESHOLD OF 10

Background detected with accuracy of 73.63%
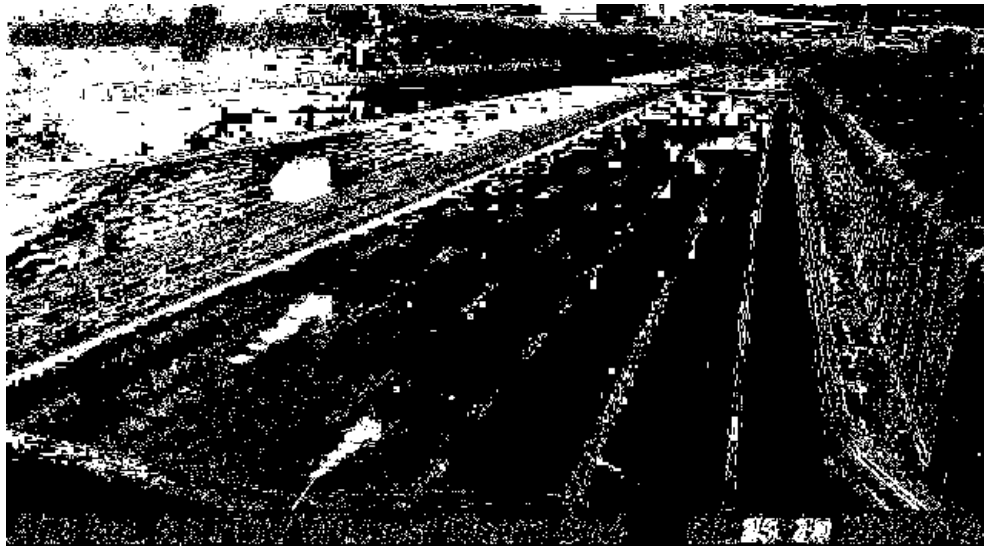
Original frame:

Background detected:

Error plotted with threshold of 12:

BACKGROUND DETECTION NUMBER 33 WITH THRESHOLD OF 10

Background detected with accuracy of 81.79%

Original frame:

Background detected:

Error plotted with threshold of 12:

BACKGROUND DETECTION NUMBER 34 WITH THRESHOLD OF 10

Background detected with accuracy of 87.43%

Original frame:

Background detected:

Error plotted with threshold of 12:

BACKGROUND DETECTION NUMBER 35 WITH THRESHOLD OF 10

Background detected with accuracy of 83.6%

Original frame:

Background detected:

Error plotted with threshold of 12:

BACKGROUND DETECTION NUMBER 36 WITH THRESHOLD OF 10

Background detected with accuracy of 84.97%

Original frame:

Background detected:

Error plotted with threshold of 12: