Politecnico di Milano
AA 2018 - 2019

Computer Science and Engineering

IMAGE ANALYSIS AND COMPUTER VISION PROJECT

BACKGROUND SUBTRACTION

Results report:

Webcam: A14 - km. 16,0 Bologna Fiera itinere Sud

Threshold = 40

Ratio = 0.7

Andrea Mazzeo - 895579
Daniele Moltisanti - 898977

BACKGROUND DETECTION NUMBER 0 WITH THRESHOLD OF 10

Background detected with accuracy of 81.3%

Original frame:

Background detected:

Error plotted with threshold of 10:

BACKGROUND DETECTION NUMBER 1 WITH THRESHOLD OF 10

Background detected with accuracy of 83.09%

Original frame:

Background detected:

Error plotted with threshold of 10:

BACKGROUND DETECTION NUMBER 2 WITH THRESHOLD OF 10
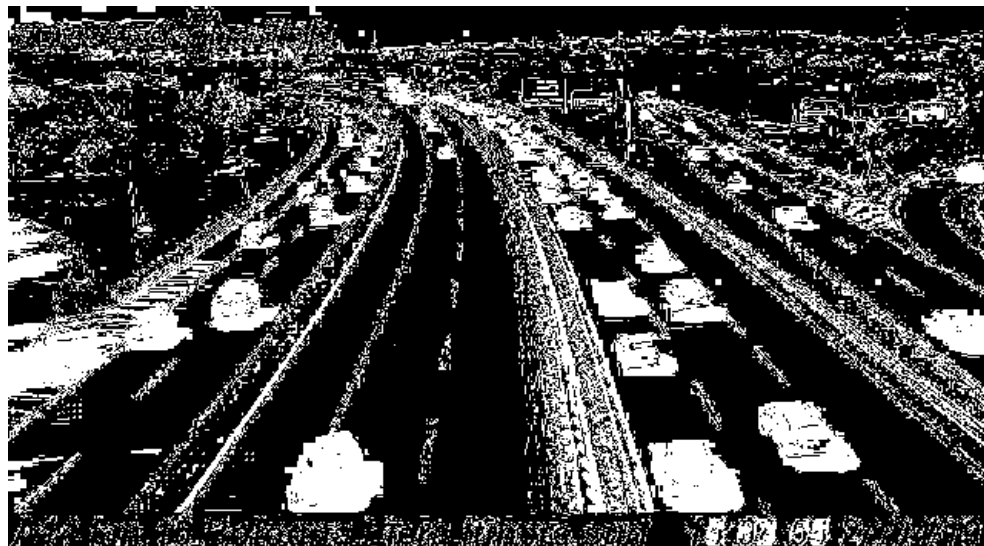
Background detected with accuracy of 76.72%

Original frame:

Background detected:

Error plotted with threshold of 10:

BACKGROUND DETECTION NUMBER 3 WITH THRESHOLD OF 10

Background detected with accuracy of 73.12%

Original frame:

Background detected:

Error plotted with threshold of 10:

BACKGROUND DETECTION NUMBER 4 WITH THRESHOLD OF 10
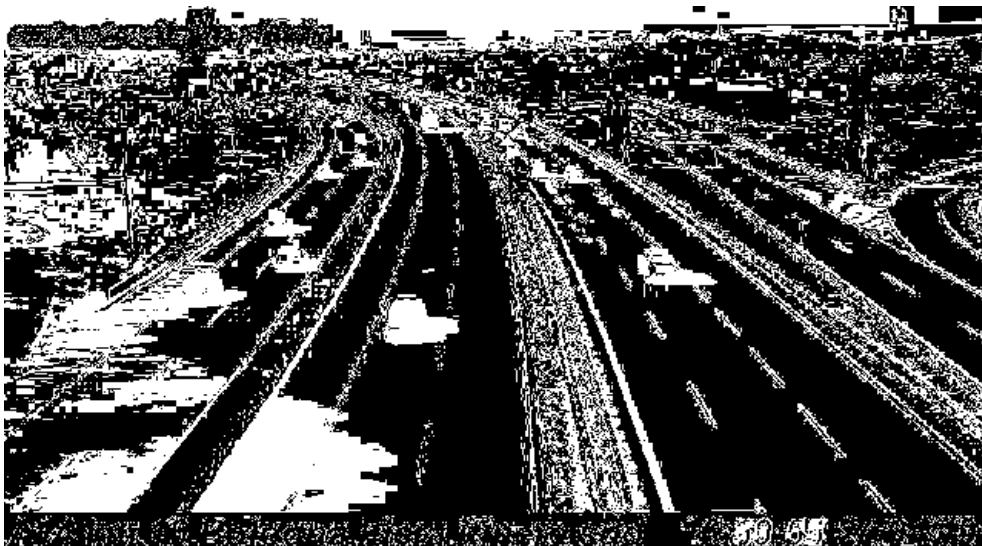
Background detected with accuracy of 71.93%

Original frame:

Background detected:

Error plotted with threshold of 10:

BACKGROUND DETECTION NUMBER 5 WITH THRESHOLD OF 10

Background detected with accuracy of 73.28%

Original frame:

Background detected:

Error plotted with threshold of 10:

BACKGROUND DETECTION NUMBER 6 WITH THRESHOLD OF 10

Background detected with accuracy of 65.45%
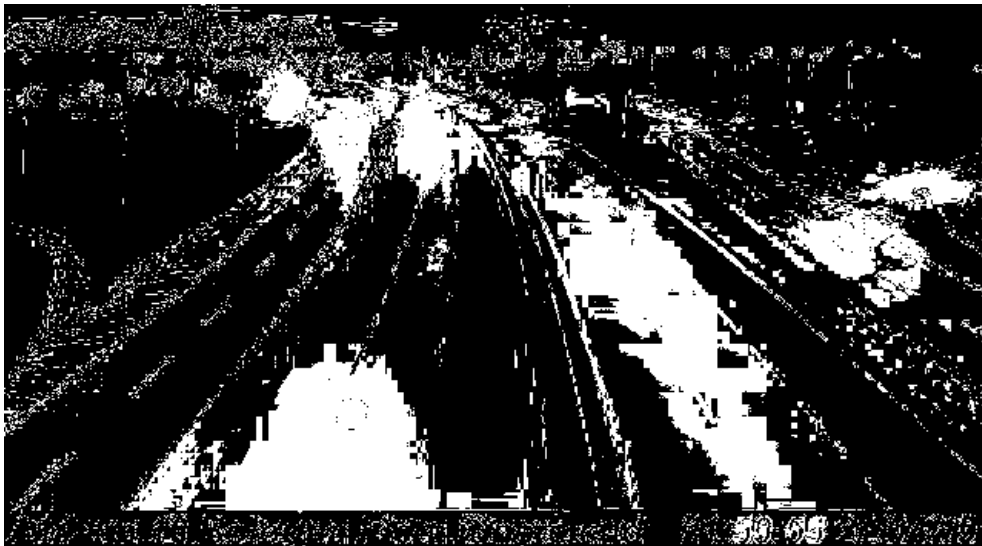
Original frame:

Background detected:

Error plotted with threshold of 10:

BACKGROUND DETECTION NUMBER 7 WITH THRESHOLD OF 10

Background detected with accuracy of 72.99%

Original frame:

Background detected:

Error plotted with threshold of 10:

BACKGROUND DETECTION NUMBER 8 WITH THRESHOLD OF 10

Background detected with accuracy of 30.98%

Original frame:

Background detected:

Error plotted with threshold of 10:

BACKGROUND DETECTION NUMBER 9 WITH THRESHOLD OF 10

Background detected with accuracy of 79.06%

Original frame:

Background detected:

Error plotted with threshold of 10:

BACKGROUND DETECTION NUMBER 10 WITH THRESHOLD OF 10
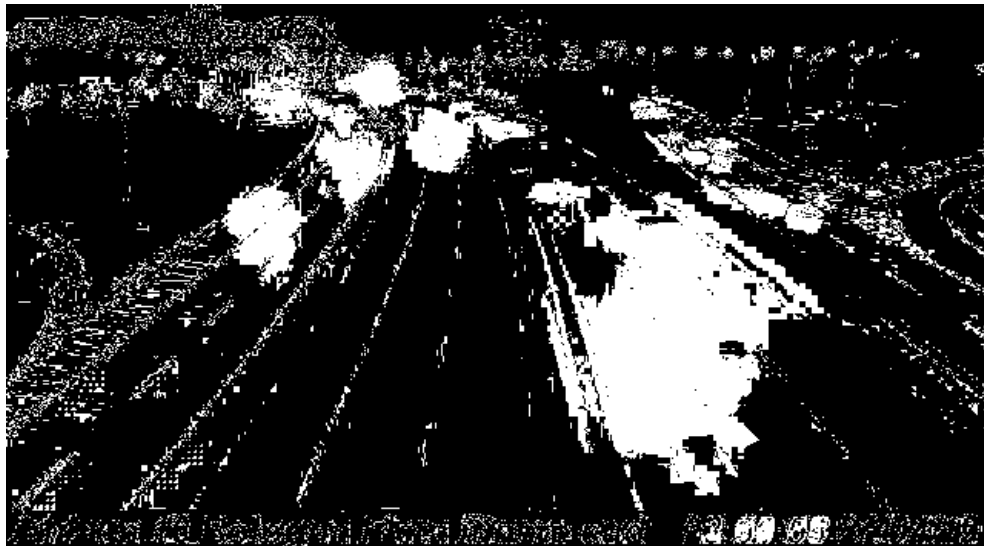
Background detected with accuracy of 82.56%

Original frame:

Background detected:

Error plotted with threshold of 10:

BACKGROUND DETECTION NUMBER 11 WITH THRESHOLD OF 10
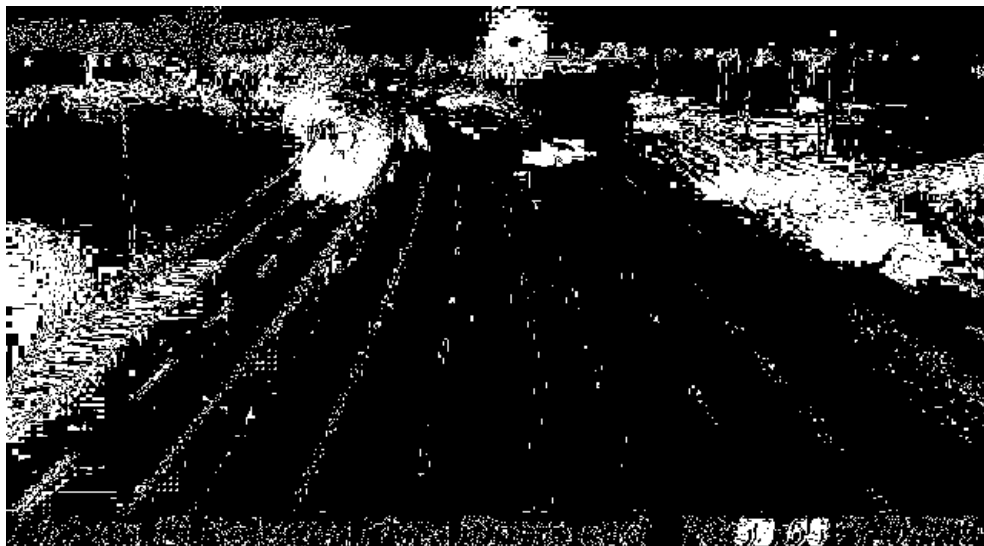
Background detected with accuracy of 87.17%

Original frame:

Background detected:

Error plotted with threshold of 10:

BACKGROUND DETECTION NUMBER 12 WITH THRESHOLD OF 10
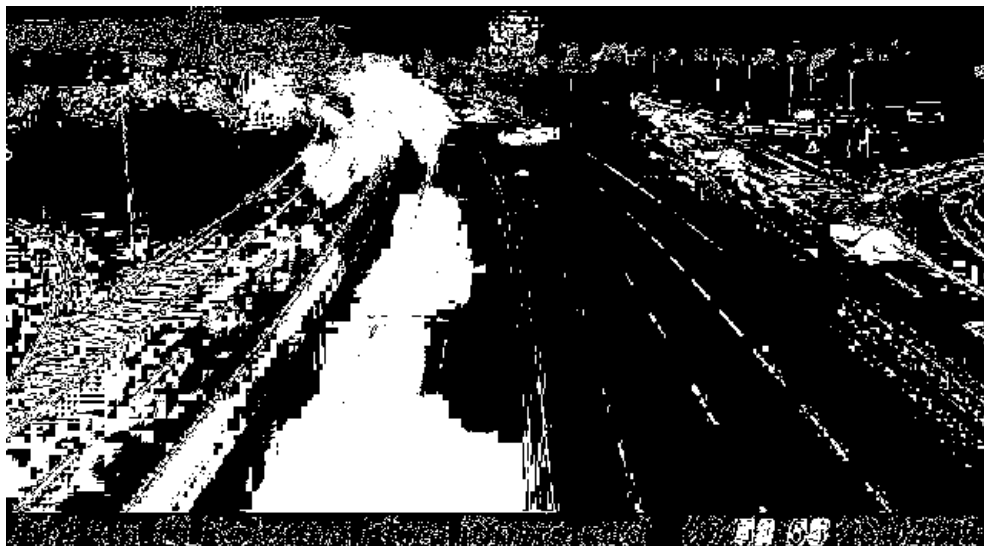
Background detected with accuracy of 75.39%

Original frame:

Background detected:

Error plotted with threshold of 10:

BACKGROUND DETECTION NUMBER 13 WITH THRESHOLD OF 10
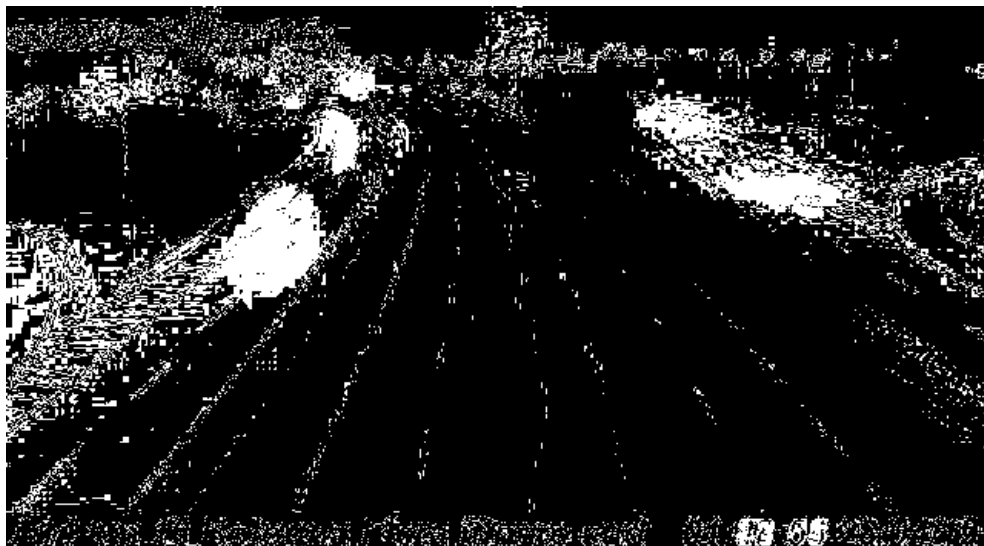
Background detected with accuracy of 89.44%

Original frame:

Background detected:

Error plotted with threshold of 10:

BACKGROUND DETECTION NUMBER 14 WITH THRESHOLD OF 10
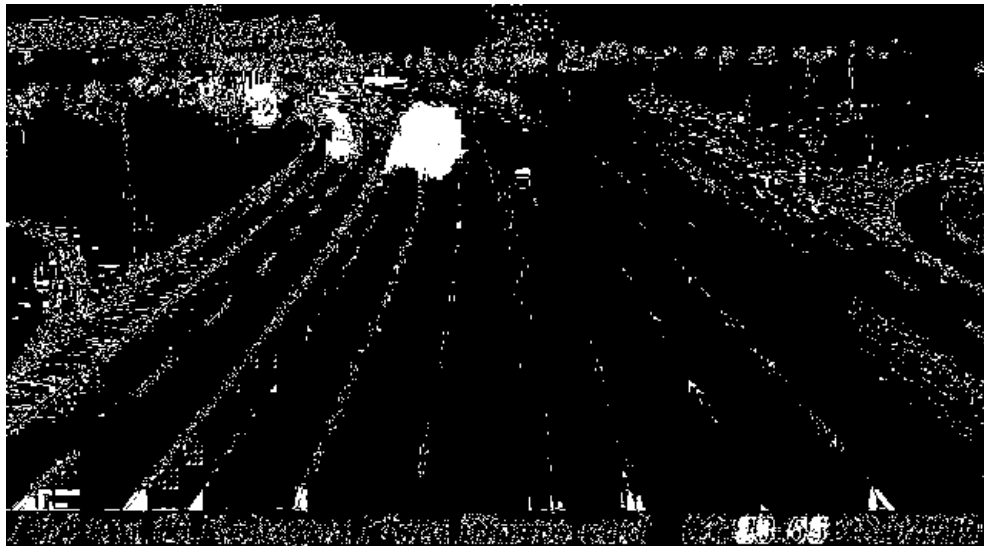
Background detected with accuracy of 93.71%

Original frame:

Background detected:

Error plotted with threshold of 10:

BACKGROUND DETECTION NUMBER 15 WITH THRESHOLD OF 10
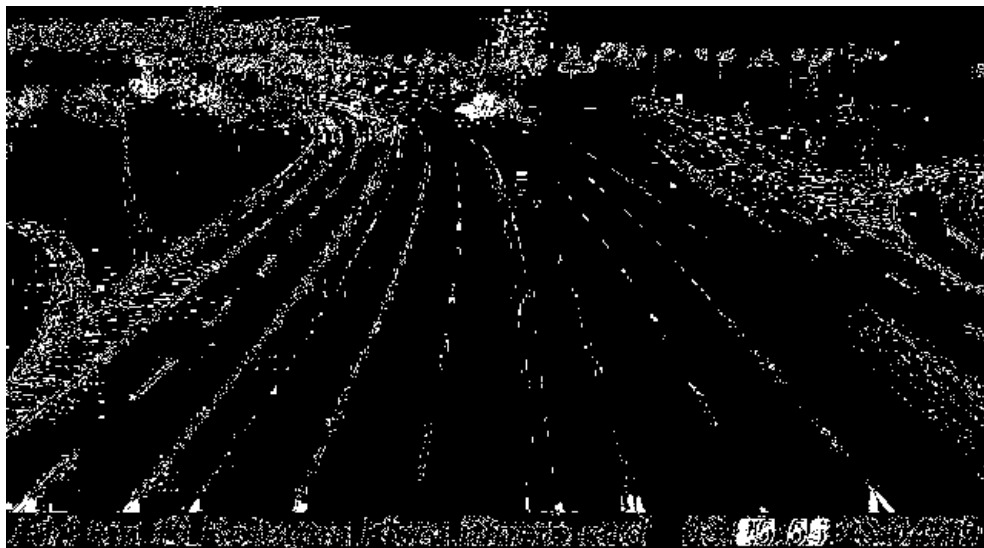
Background detected with accuracy of 94.36%

Original frame:

Background detected:

Error plotted with threshold of 10:

BACKGROUND DETECTION NUMBER 16 WITH THRESHOLD OF 10
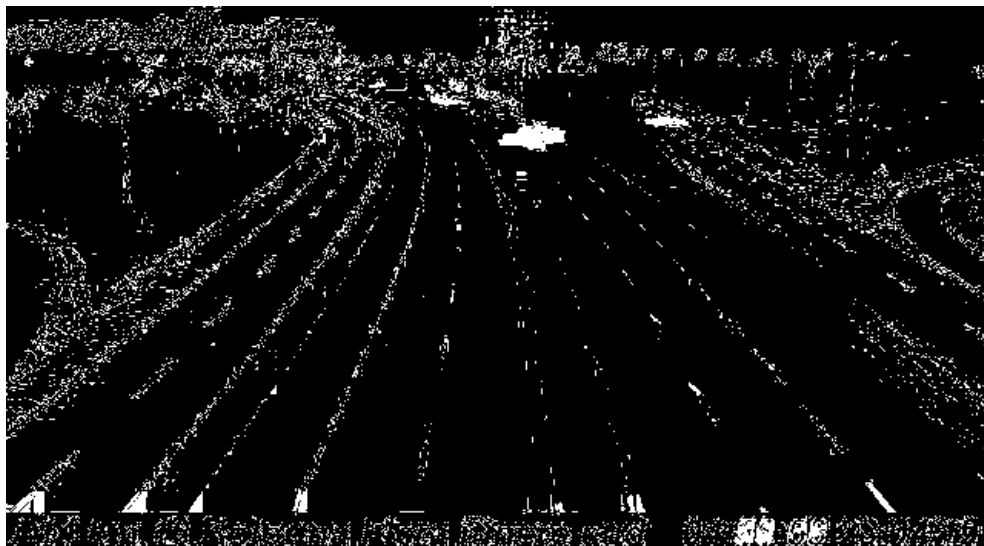
Background detected with accuracy of 94.58%

Original frame:

Background detected:

Error plotted with threshold of 10:

BACKGROUND DETECTION NUMBER 17 WITH THRESHOLD OF 10
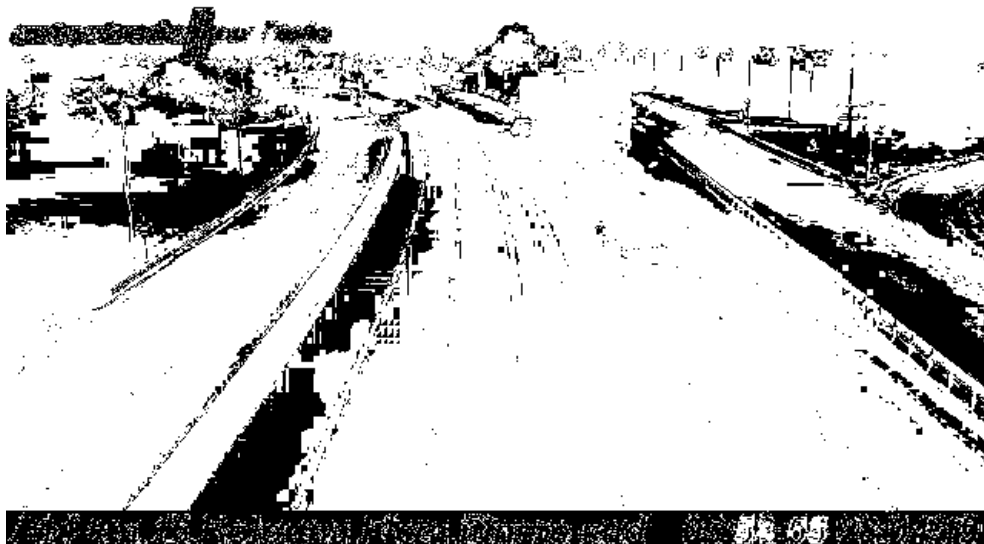
Background detected with accuracy of 24.89%

Original frame:

Background detected:

Error plotted with threshold of 10:

BACKGROUND DETECTION NUMBER 18 WITH THRESHOLD OF 10

Background detected with accuracy of 73.17%

Original frame:

Background detected:

Error plotted with threshold of 10:

BACKGROUND DETECTION NUMBER 19 WITH THRESHOLD OF 10
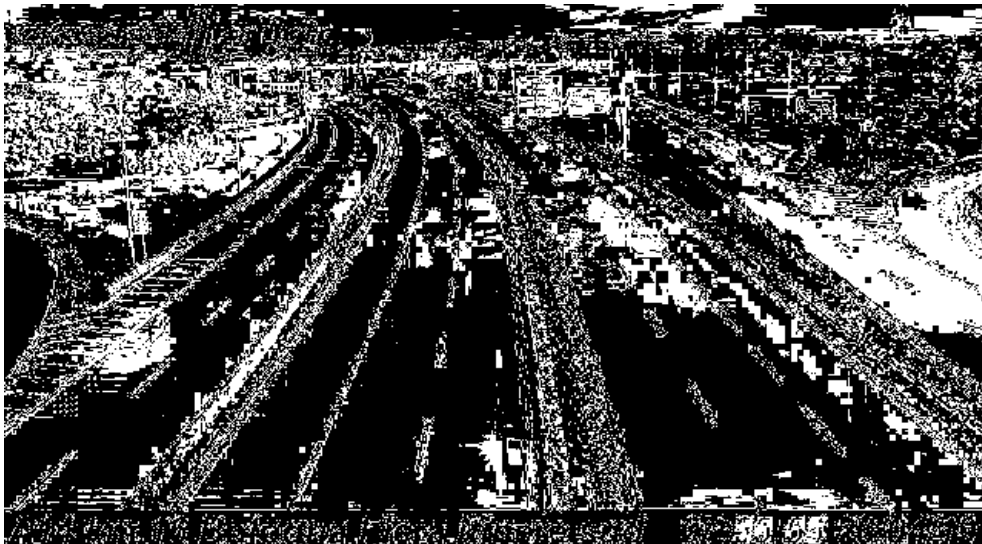
Background detected with accuracy of 75.24%

Original frame:

Background detected:

Error plotted with threshold of 10:

BACKGROUND DETECTION NUMBER 20 WITH THRESHOLD OF 10

Background detected with accuracy of 83.01%

Original frame:

Background detected:

Error plotted with threshold of 10:

BACKGROUND DETECTION NUMBER 21 WITH THRESHOLD OF 10

Background detected with accuracy of 70.32%
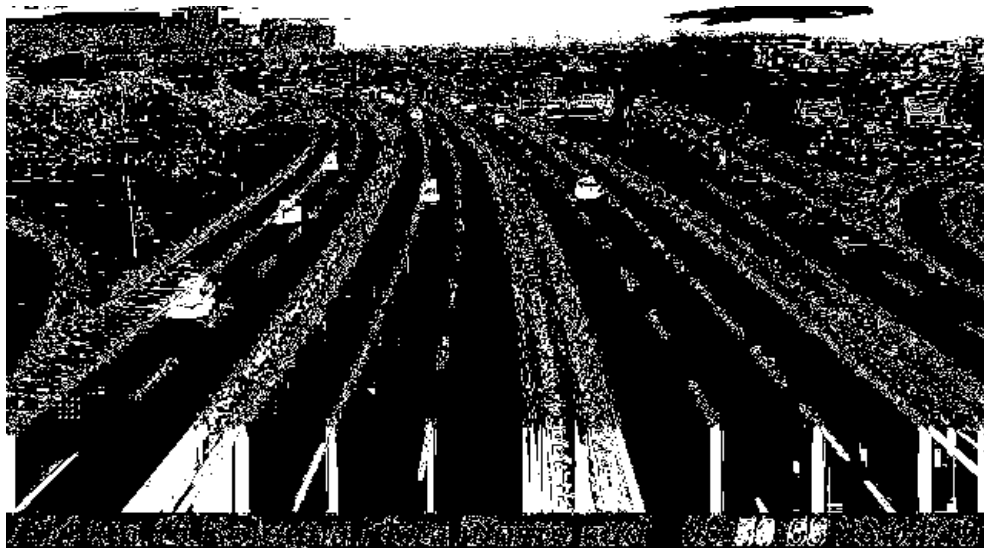
Original frame:

Background detected:

Error plotted with threshold of 10:

BACKGROUND DETECTION NUMBER 22 WITH THRESHOLD OF 10

Background detected with accuracy of 78.89%

Original frame:

Background detected:

Error plotted with threshold of 10:

BACKGROUND DETECTION NUMBER 23 WITH THRESHOLD OF 10

Background detected with accuracy of 73.48%

Original frame:

Background detected:

Error plotted with threshold of 10: