



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 = 0.85

Andrea Mazzeo - 895579
Daniele Moltisanti - 898977

BACKGROUND DETECTION NUMBER 0 WITH THRESHOLD OF 10

Background detected with accuracy of 87.24%

Original frame:



Background detected:



Error plotted with threshold of 12:



BACKGROUND DETECTION NUMBER 1 WITH THRESHOLD OF 10

Background detected with accuracy of 85.76%

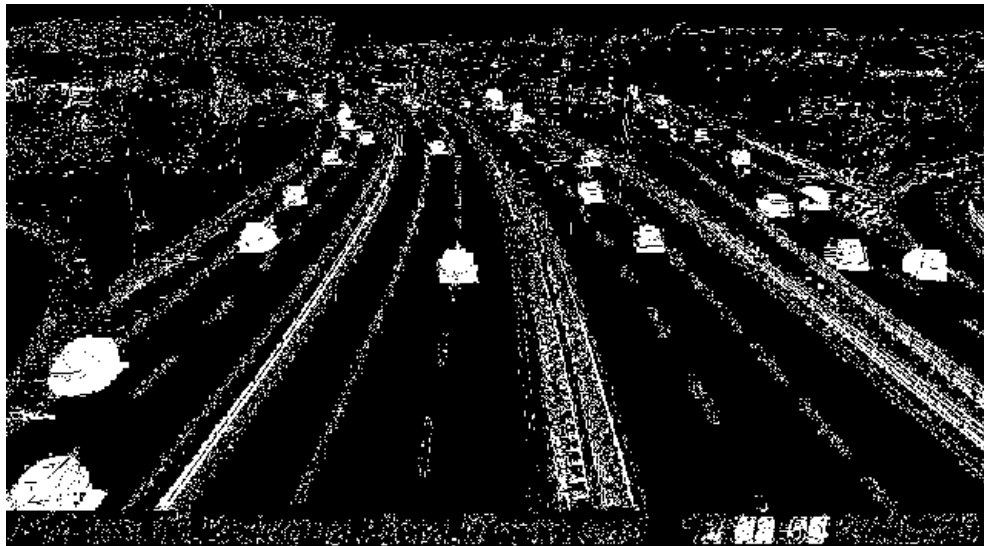
Original frame:



Background detected:



Error plotted with threshold of 12:



BACKGROUND DETECTION NUMBER 2 WITH THRESHOLD OF 10

Background detected with accuracy of 77.09%

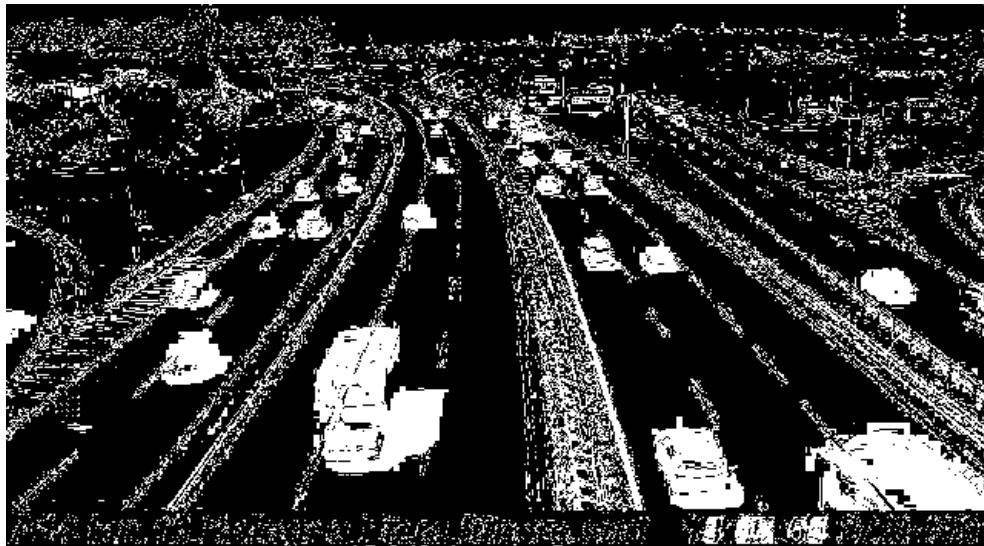
Original frame:



Background detected:



Error plotted with threshold of 12:



BACKGROUND DETECTION NUMBER 3 WITH THRESHOLD OF 10

Background detected with accuracy of 81.99%

Original frame:



Background detected:



Error plotted with threshold of 12:



BACKGROUND DETECTION NUMBER 4 WITH THRESHOLD OF 10

Background detected with accuracy of 79.45%

Original frame:



Background detected:



Error plotted with threshold of 12:



BACKGROUND DETECTION NUMBER 5 WITH THRESHOLD OF 10

Background detected with accuracy of 79.39%

Original frame:



Background detected:



Error plotted with threshold of 12:



BACKGROUND DETECTION NUMBER 6 WITH THRESHOLD OF 10

Background detected with accuracy of 76.2%

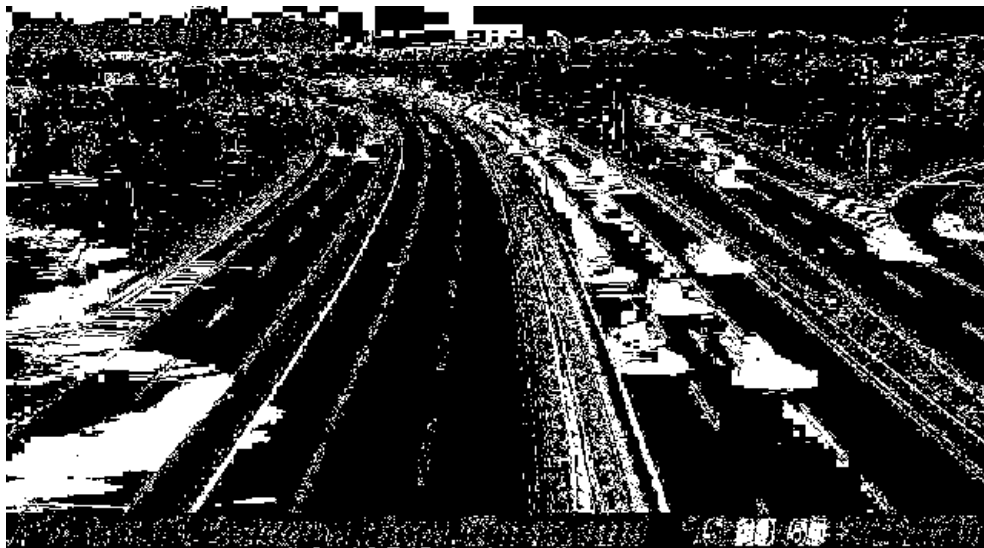
Original frame:



Background detected:



Error plotted with threshold of 12:



BACKGROUND DETECTION NUMBER 7 WITH THRESHOLD OF 10

Background detected with accuracy of 78.48%

Original frame:



Background detected:



Error plotted with threshold of 12:



BACKGROUND DETECTION NUMBER 8 WITH THRESHOLD OF 10

Background detected with accuracy of 76.12%

Original frame:



Background detected:



Error plotted with threshold of 12:



BACKGROUND DETECTION NUMBER 9 WITH THRESHOLD OF 10

Background detected with accuracy of 76.26%

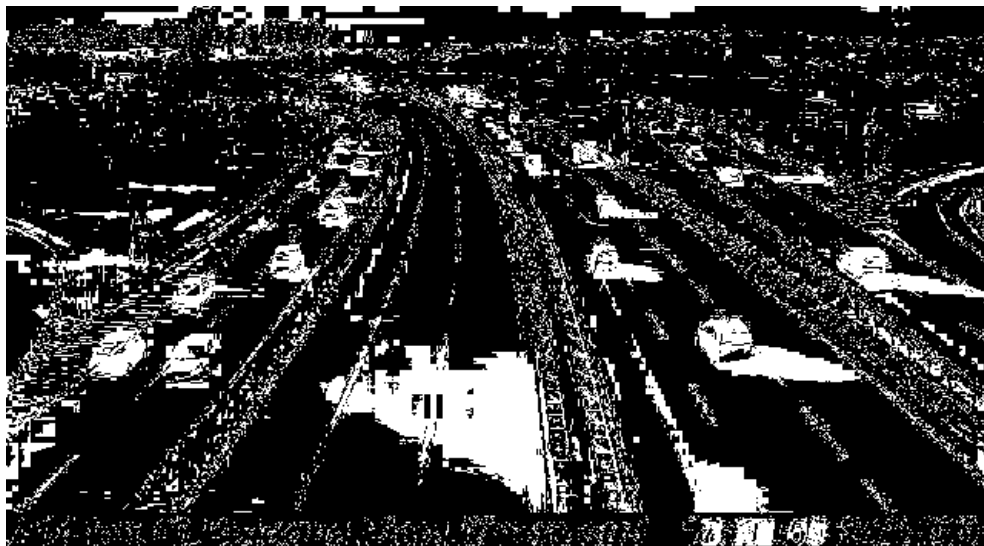
Original frame:



Background detected:



Error plotted with threshold of 12:



BACKGROUND DETECTION NUMBER 10 WITH THRESHOLD OF 10

Background detected with accuracy of 70.48%

Original frame:



Background detected:



Error plotted with threshold of 12:



BACKGROUND DETECTION NUMBER 11 WITH THRESHOLD OF 10

Background detected with accuracy of 81.25%

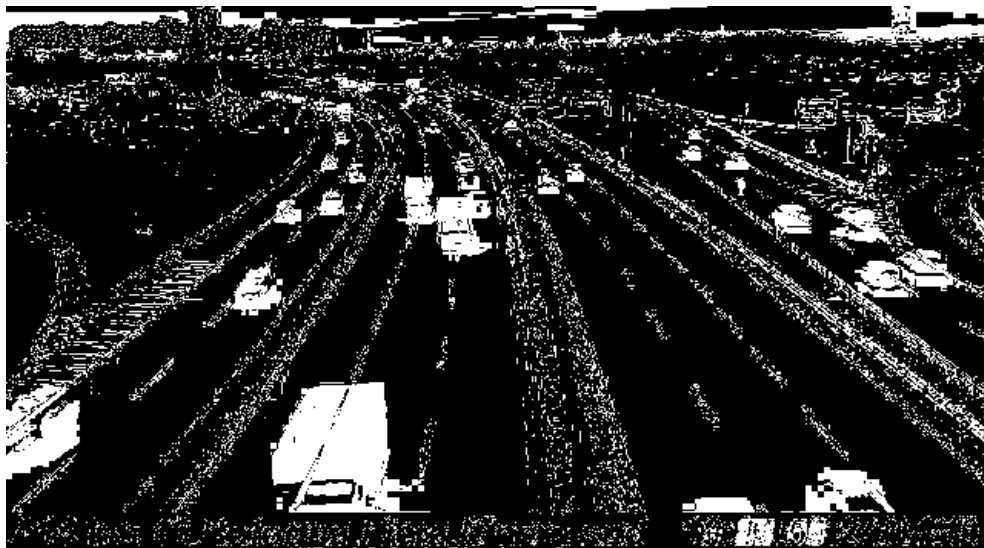
Original frame:



Background detected:



Error plotted with threshold of 12:



BACKGROUND DETECTION NUMBER 12 WITH THRESHOLD OF 10

Background detected with accuracy of 11.05%

Original frame:



Background detected:



Error plotted with threshold of 12:



BACKGROUND DETECTION NUMBER 13 WITH THRESHOLD OF 10

Background detected with accuracy of 46.07%

Original frame:



Background detected:



Error plotted with threshold of 12:



BACKGROUND DETECTION NUMBER 14 WITH THRESHOLD OF 10

Background detected with accuracy of 86.01%

Original frame:



Background detected:



Error plotted with threshold of 12:



BACKGROUND DETECTION NUMBER 15 WITH THRESHOLD OF 10

Background detected with accuracy of 86.71%

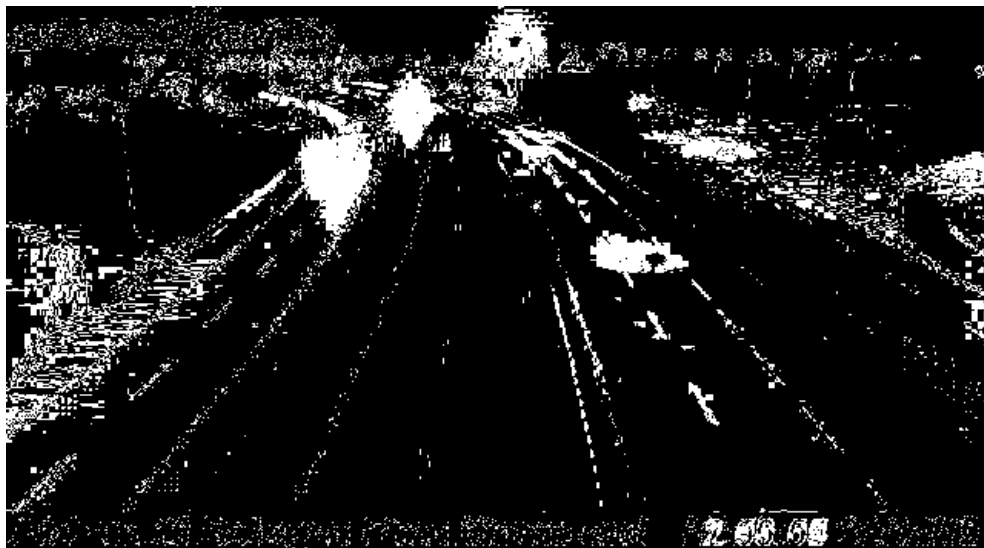
Original frame:



Background detected:



Error plotted with threshold of 12:



BACKGROUND DETECTION NUMBER 16 WITH THRESHOLD OF 10

Background detected with accuracy of 76.12%

Original frame:



Background detected:



Error plotted with threshold of 12:



BACKGROUND DETECTION NUMBER 17 WITH THRESHOLD OF 10

Background detected with accuracy of 87.29%

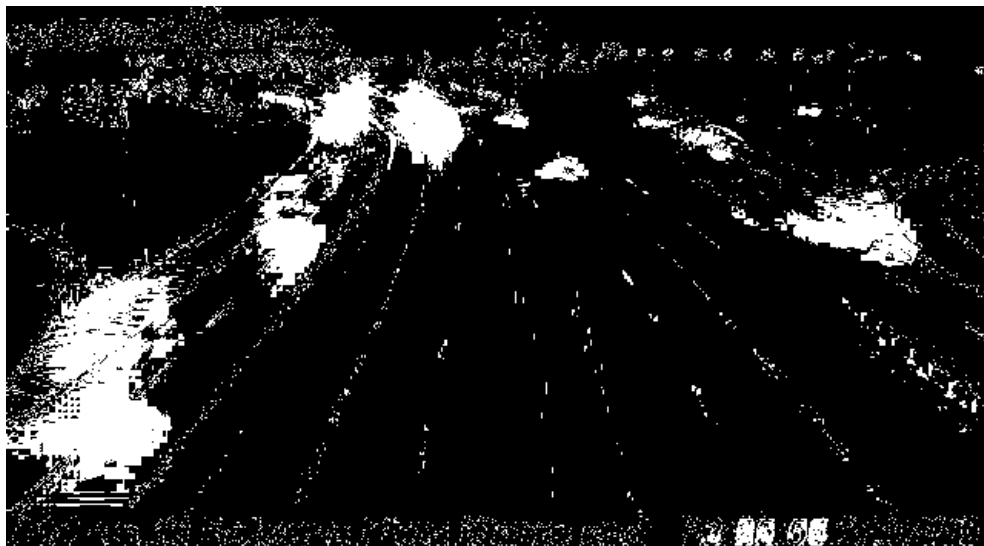
Original frame:



Background detected:



Error plotted with threshold of 12:



BACKGROUND DETECTION NUMBER 18 WITH THRESHOLD OF 10

Background detected with accuracy of 90.06%

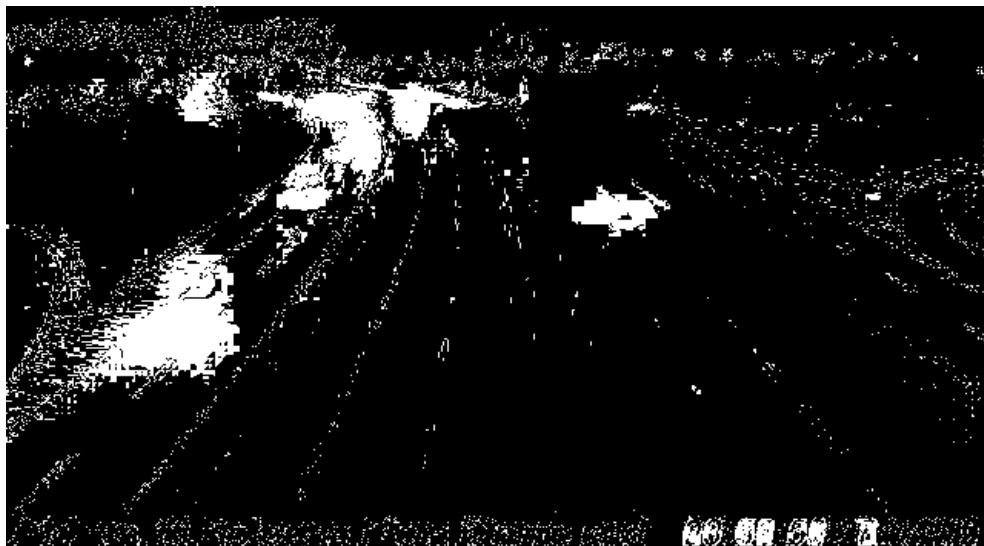
Original frame:



Background detected:



Error plotted with threshold of 12:



BACKGROUND DETECTION NUMBER 19 WITH THRESHOLD OF 10

Background detected with accuracy of 87.85%

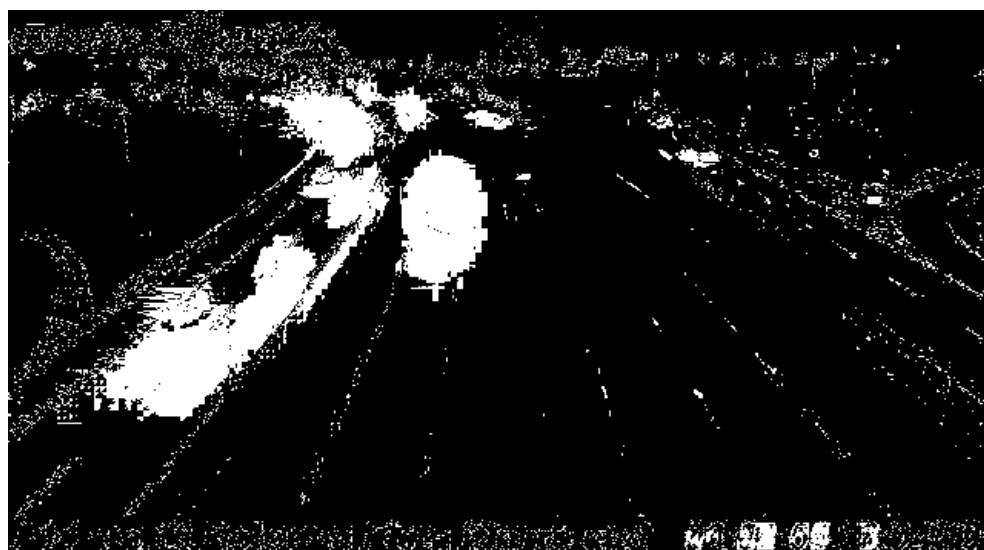
Original frame:



Background detected:



Error plotted with threshold of 12:



BACKGROUND DETECTION NUMBER 20 WITH THRESHOLD OF 10

Background detected with accuracy of 84.56%

Original frame:



Background detected:



Error plotted with threshold of 12:



BACKGROUND DETECTION NUMBER 21 WITH THRESHOLD OF 10

Background detected with accuracy of 89.09%

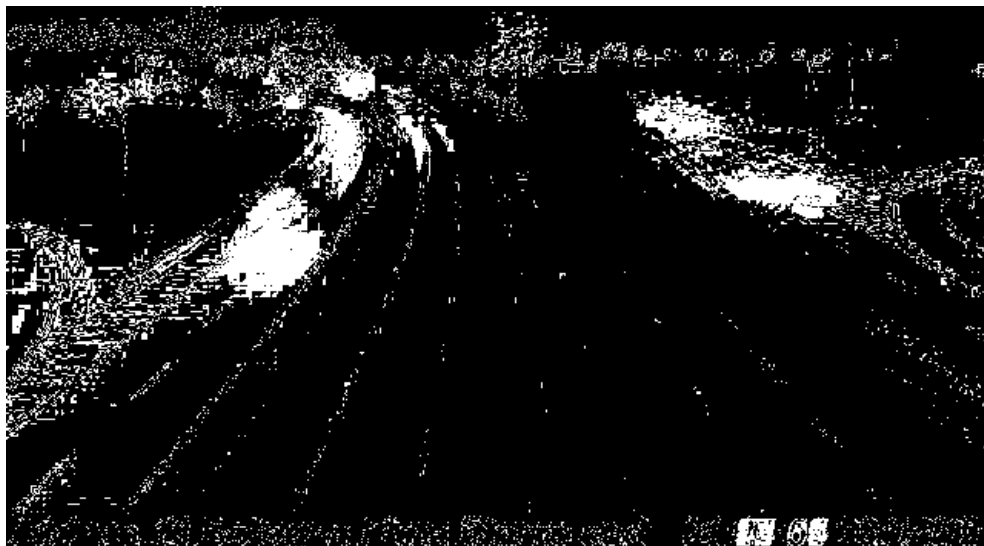
Original frame:



Background detected:



Error plotted with threshold of 12:



BACKGROUND DETECTION NUMBER 22 WITH THRESHOLD OF 10

Background detected with accuracy of 88.98%

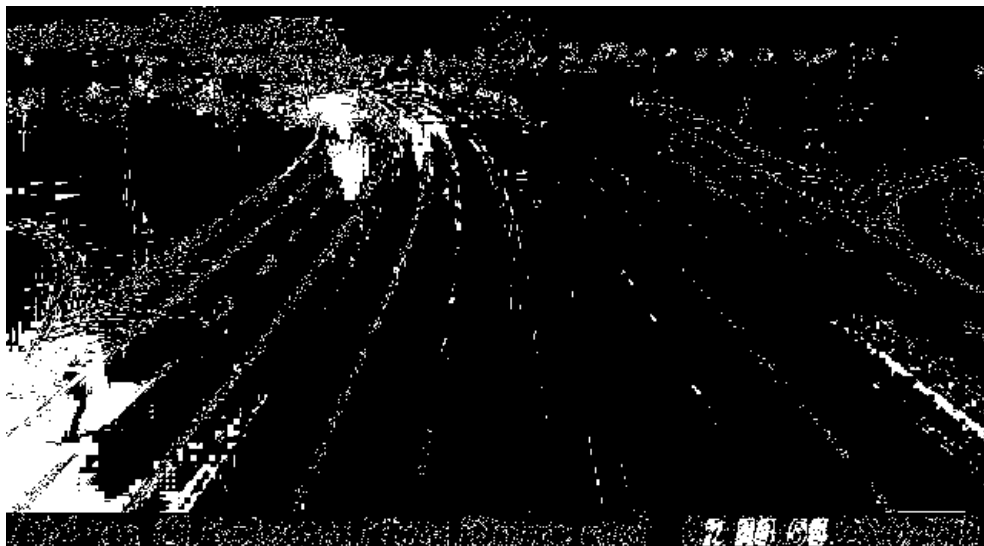
Original frame:



Background detected:



Error plotted with threshold of 12:



BACKGROUND DETECTION NUMBER 23 WITH THRESHOLD OF 10

Background detected with accuracy of 90.42%

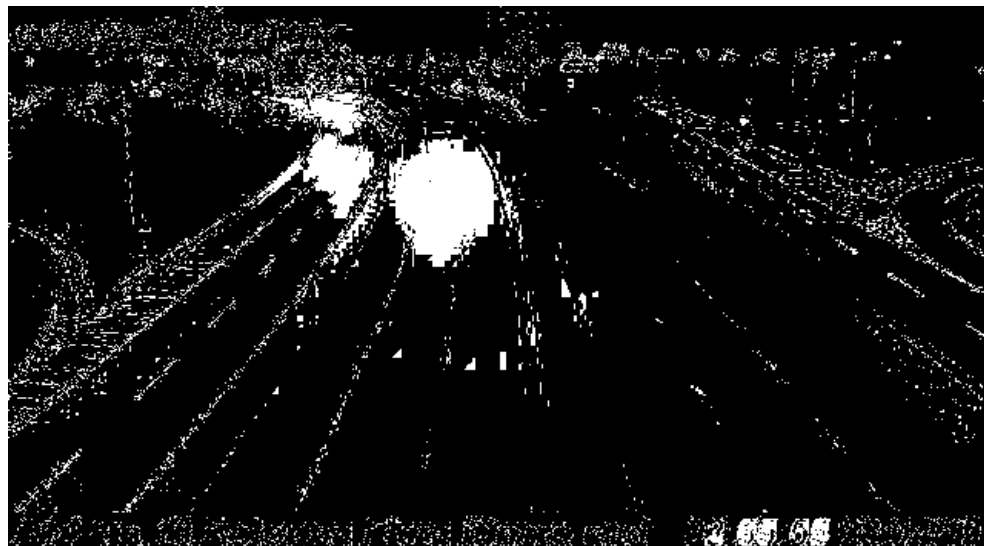
Original frame:



Background detected:



Error plotted with threshold of 12:



BACKGROUND DETECTION NUMBER 24 WITH THRESHOLD OF 10

Background detected with accuracy of 91.52%

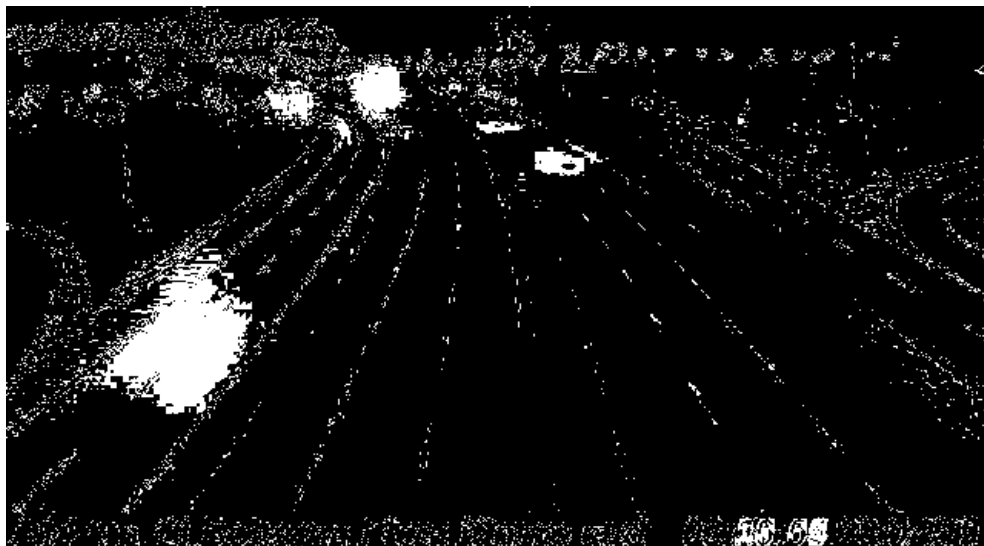
Original frame:



Background detected:



Error plotted with threshold of 12:



BACKGROUND DETECTION NUMBER 25 WITH THRESHOLD OF 10

Background detected with accuracy of 94.37%

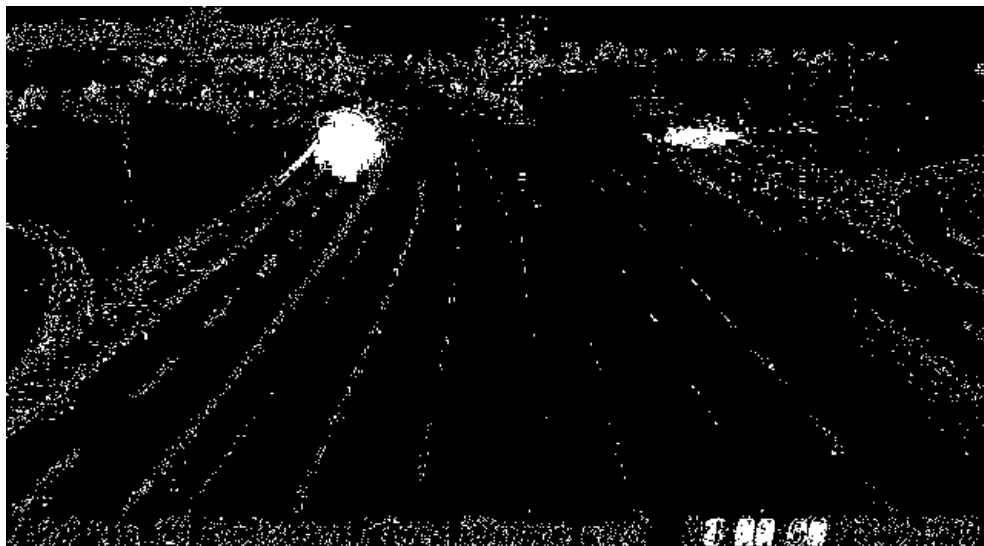
Original frame:



Background detected:



Error plotted with threshold of 12:



BACKGROUND DETECTION NUMBER 26 WITH THRESHOLD OF 10

Background detected with accuracy of 88.18%

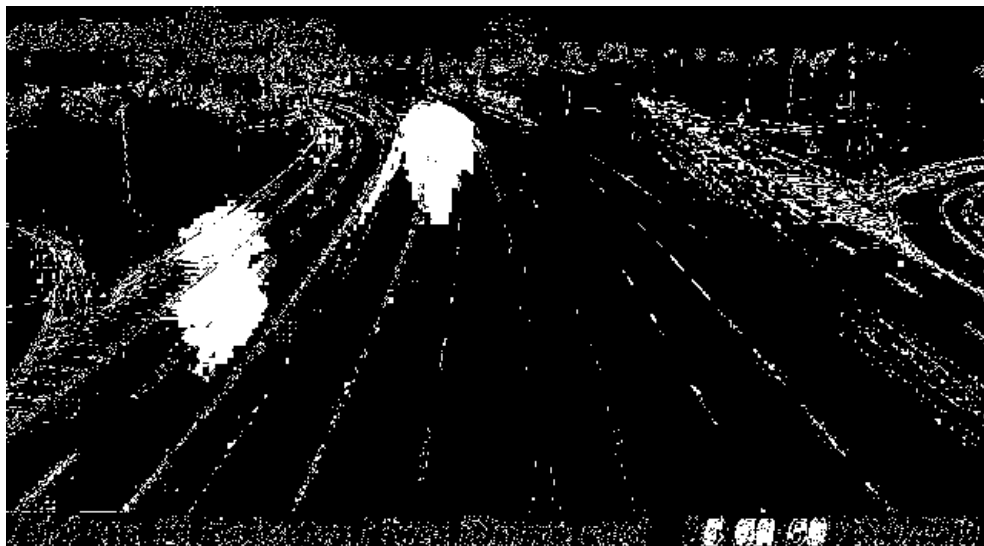
Original frame:



Background detected:



Error plotted with threshold of 12:



BACKGROUND DETECTION NUMBER 27 WITH THRESHOLD OF 10

Background detected with accuracy of 50.21%

Original frame:



Background detected:



Error plotted with threshold of 12:



BACKGROUND DETECTION NUMBER 28 WITH THRESHOLD OF 10

Background detected with accuracy of 20.25%

Original frame:



Background detected:



Error plotted with threshold of 12:



BACKGROUND DETECTION NUMBER 29 WITH THRESHOLD OF 10

Background detected with accuracy of 88.93%

Original frame:



Background detected:



Error plotted with threshold of 12:



BACKGROUND DETECTION NUMBER 30 WITH THRESHOLD OF 10

Background detected with accuracy of 41.1%

Original frame:



Background detected:



Error plotted with threshold of 12:



BACKGROUND DETECTION NUMBER 31 WITH THRESHOLD OF 10

Background detected with accuracy of 81.68%

Original frame:



Background detected:



Error plotted with threshold of 12:



BACKGROUND DETECTION NUMBER 32 WITH THRESHOLD OF 10

Background detected with accuracy of 83.97%

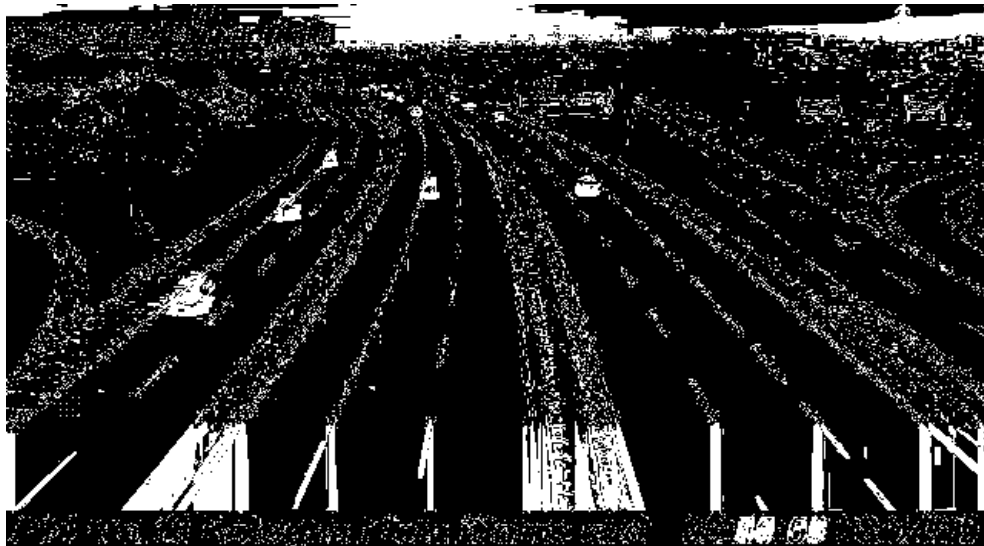
Original frame:



Background detected:



Error plotted with threshold of 12:



BACKGROUND DETECTION NUMBER 33 WITH THRESHOLD OF 10

Background detected with accuracy of 65.26%

Original frame:



Background detected:



Error plotted with threshold of 12:



BACKGROUND DETECTION NUMBER 34 WITH THRESHOLD OF 10

Background detected with accuracy of 80.07%

Original frame:



Background detected:



Error plotted with threshold of 12:



BACKGROUND DETECTION NUMBER 35 WITH THRESHOLD OF 10

Background detected with accuracy of 84.4%

Original frame:



Background detected:



Error plotted with threshold of 12:



BACKGROUND DETECTION NUMBER 36 WITH THRESHOLD OF 10

Background detected with accuracy of 78.04%

Original frame:



Background detected:



Error plotted with threshold of 12:



BACKGROUND DETECTION NUMBER 37 WITH THRESHOLD OF 10

Background detected with accuracy of 64.2%

Original frame:



Background detected:



Error plotted with threshold of 12:

