



Politecnico di Milano
AA 2018 - 2019

Computer Science and Engineering

IMAGE ANALYSIS AND COMPUTER VISION PROJECT

BACKGROUND SUBTRACTION

Results report:

Webcam: A14 - km. 152,1 Galleria Boncio esterna Nord

Threshold = 40

Ratio = 0.85

Andrea Mazzeo - 895579
Daniele Moltisanti - 898977

BACKGROUND DETECTION NUMBER 0 WITH THRESHOLD OF 10

Background detected with accuracy of 82.81%

Original frame:



Background detected:



Error plotted with threshold of 12:



BACKGROUND DETECTION NUMBER 1 WITH THRESHOLD OF 10

Background detected with accuracy of 74.33%

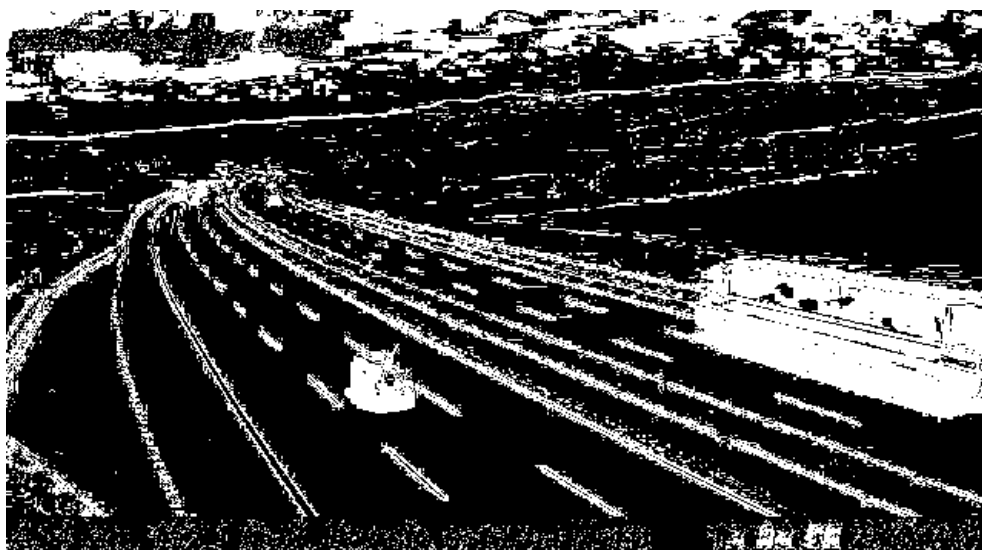
Original frame:



Background detected:



Error plotted with threshold of 12:



BACKGROUND DETECTION NUMBER 2 WITH THRESHOLD OF 10

Background detected with accuracy of 83.41%

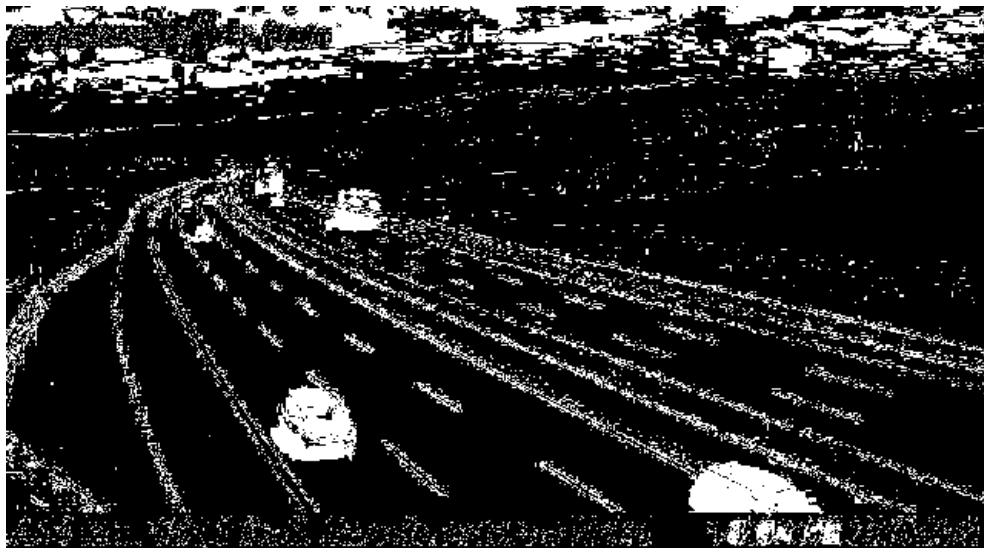
Original frame:



Background detected:



Error plotted with threshold of 12:



BACKGROUND DETECTION NUMBER 3 WITH THRESHOLD OF 10

Background detected with accuracy of 82.59%

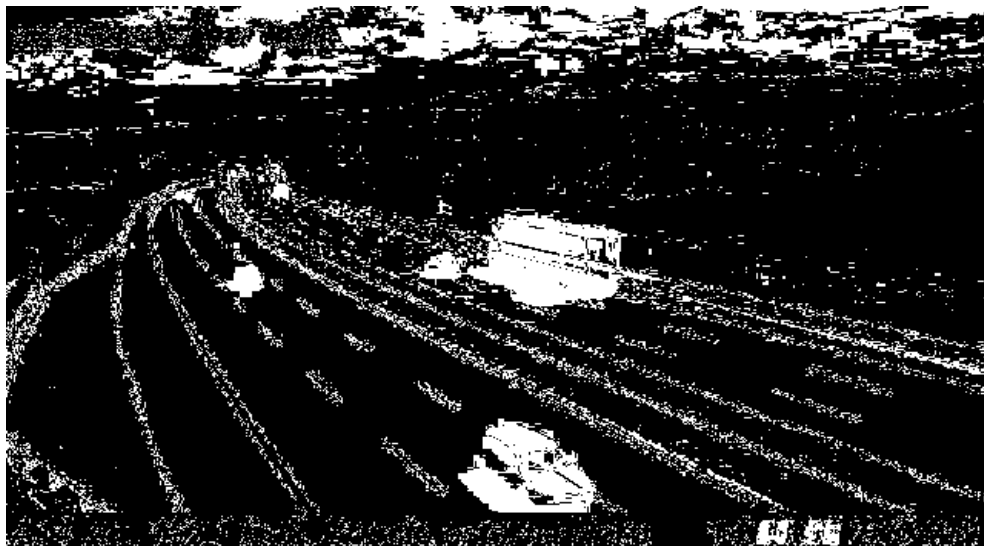
Original frame:



Background detected:



Error plotted with threshold of 12:



BACKGROUND DETECTION NUMBER 4 WITH THRESHOLD OF 10

Background detected with accuracy of 84.89%

Original frame:



Background detected:



Error plotted with threshold of 12:



BACKGROUND DETECTION NUMBER 5 WITH THRESHOLD OF 10

Background detected with accuracy of 81.59%

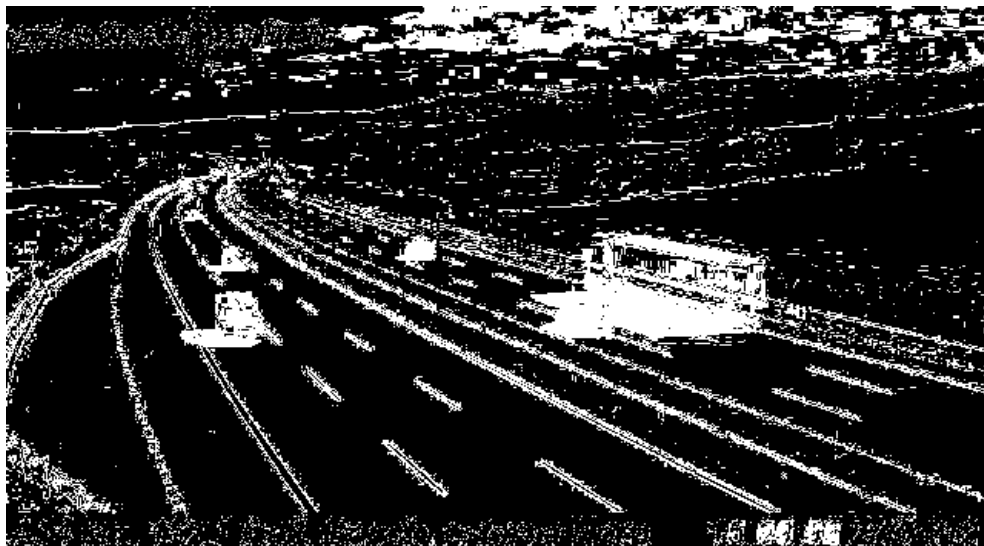
Original frame:



Background detected:



Error plotted with threshold of 12:



BACKGROUND DETECTION NUMBER 6 WITH THRESHOLD OF 10

Background detected with accuracy of 85.64%

Original frame:



Background detected:



Error plotted with threshold of 12:



BACKGROUND DETECTION NUMBER 7 WITH THRESHOLD OF 10

Background detected with accuracy of 85.1%

Original frame:



Background detected:



Error plotted with threshold of 12:



BACKGROUND DETECTION NUMBER 8 WITH THRESHOLD OF 10

Background detected with accuracy of 76.99%

Original frame:



Background detected:



Error plotted with threshold of 12:



BACKGROUND DETECTION NUMBER 9 WITH THRESHOLD OF 10

Background detected with accuracy of 34.46%

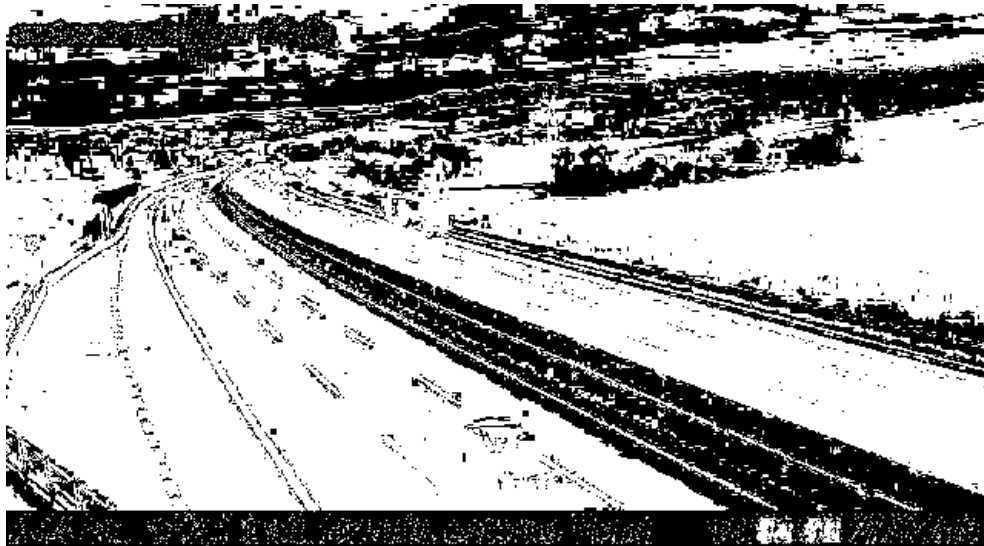
Original frame:



Background detected:



Error plotted with threshold of 12:



BACKGROUND DETECTION NUMBER 10 WITH THRESHOLD OF 10

Background detected with accuracy of 79.7%

Original frame:



Background detected:



Error plotted with threshold of 12:



BACKGROUND DETECTION NUMBER 11 WITH THRESHOLD OF 10

Background detected with accuracy of 82.6%

Original frame:



Background detected:



Error plotted with threshold of 12:



BACKGROUND DETECTION NUMBER 12 WITH THRESHOLD OF 10

Background detected with accuracy of 16.91%

Original frame:



Background detected:



Error plotted with threshold of 12:



BACKGROUND DETECTION NUMBER 13 WITH THRESHOLD OF 10

Background detected with accuracy of 43.3%

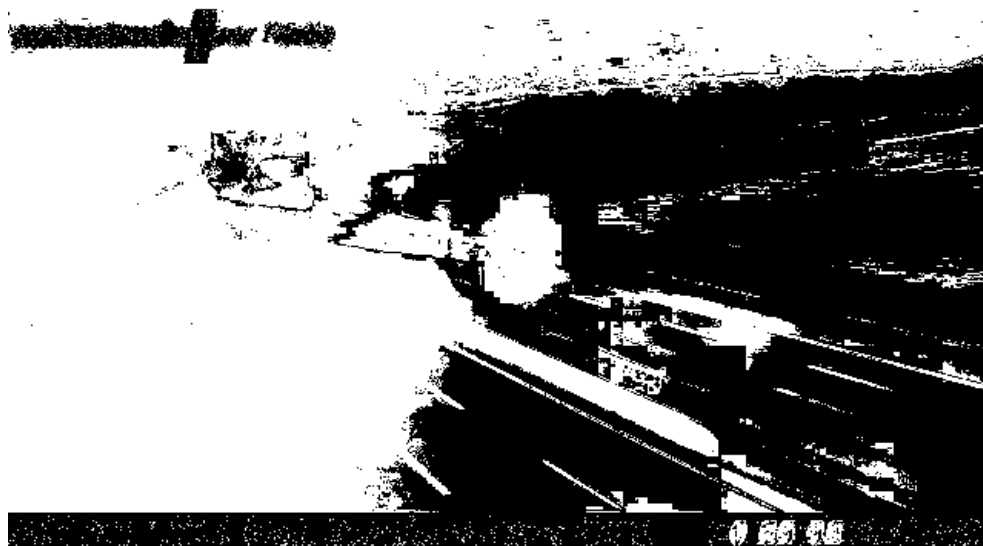
Original frame:



Background detected:



Error plotted with threshold of 12:



BACKGROUND DETECTION NUMBER 14 WITH THRESHOLD OF 10

Background detected with accuracy of 64.53%

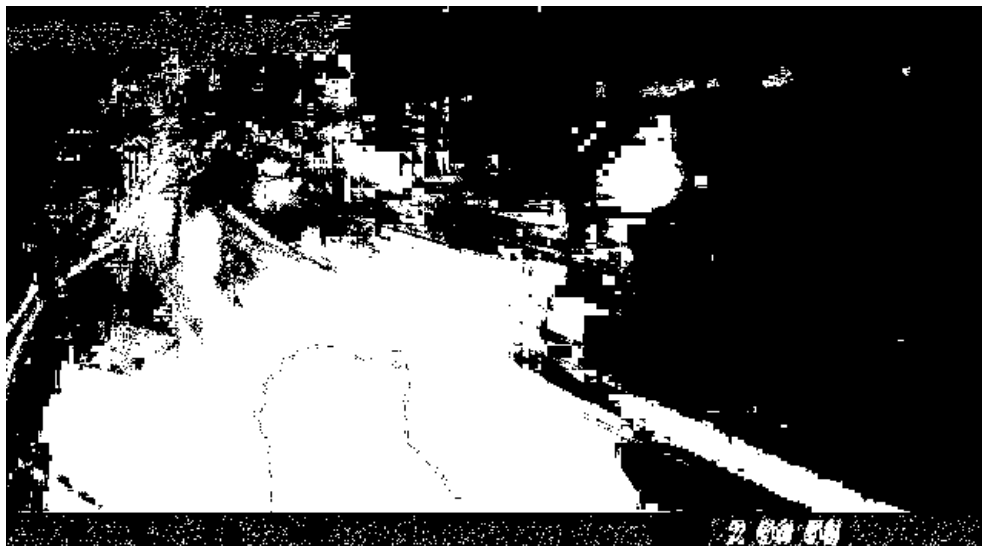
Original frame:



Background detected:



Error plotted with threshold of 12:



BACKGROUND DETECTION NUMBER 15 WITH THRESHOLD OF 10

Background detected with accuracy of 51.43%

Original frame:



Background detected:



Error plotted with threshold of 12:



BACKGROUND DETECTION NUMBER 16 WITH THRESHOLD OF 10

Background detected with accuracy of 33.23%

Original frame:



Background detected:



Error plotted with threshold of 12:



BACKGROUND DETECTION NUMBER 17 WITH THRESHOLD OF 10

Background detected with accuracy of 51.64%

Original frame:



Background detected:



Error plotted with threshold of 12:



BACKGROUND DETECTION NUMBER 18 WITH THRESHOLD OF 10

Background detected with accuracy of 48.29%

Original frame:



Background detected:



Error plotted with threshold of 12:



BACKGROUND DETECTION NUMBER 19 WITH THRESHOLD OF 10

Background detected with accuracy of 52.01%

Original frame:



Background detected:



Error plotted with threshold of 12:



BACKGROUND DETECTION NUMBER 20 WITH THRESHOLD OF 10

Background detected with accuracy of 89.89%

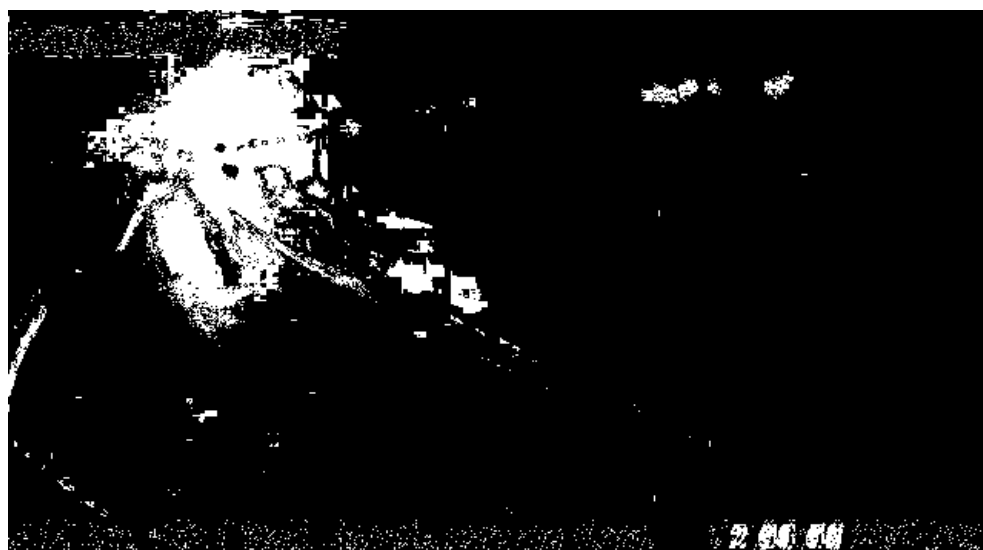
Original frame:



Background detected:



Error plotted with threshold of 12:



BACKGROUND DETECTION NUMBER 21 WITH THRESHOLD OF 10

Background detected with accuracy of 73.08%

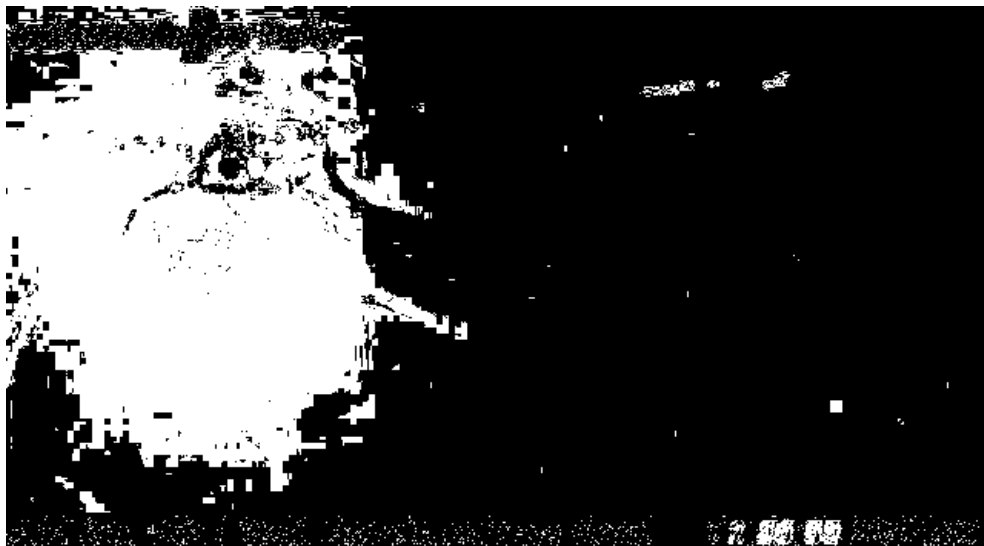
Original frame:



Background detected:



Error plotted with threshold of 12:



BACKGROUND DETECTION NUMBER 22 WITH THRESHOLD OF 10

Background detected with accuracy of 74.83%

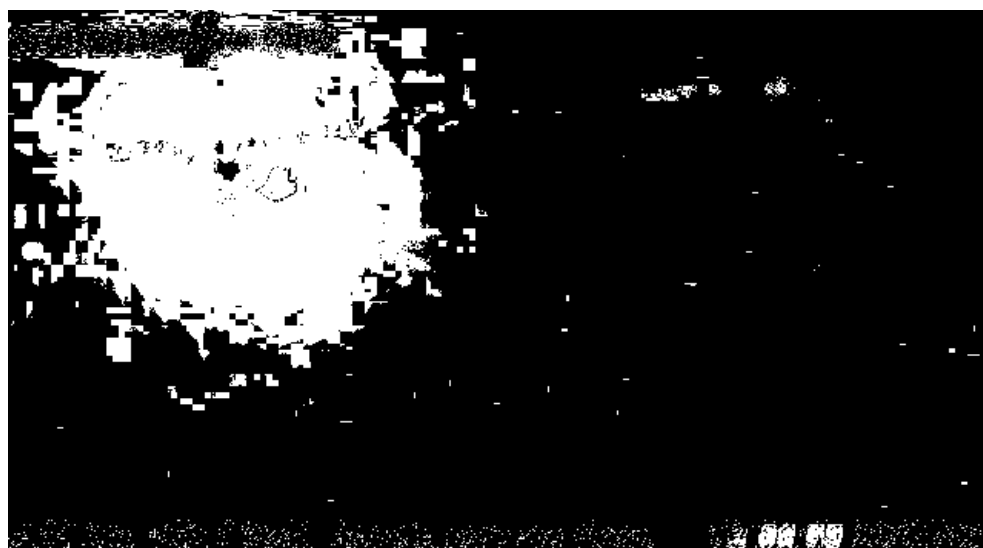
Original frame:



Background detected:



Error plotted with threshold of 12:



BACKGROUND DETECTION NUMBER 23 WITH THRESHOLD OF 10

Background detected with accuracy of 59.3%

Original frame:



Background detected:



Error plotted with threshold of 12:



BACKGROUND DETECTION NUMBER 24 WITH THRESHOLD OF 10

Background detected with accuracy of 55.19%

Original frame:



Background detected:



Error plotted with threshold of 12:



BACKGROUND DETECTION NUMBER 25 WITH THRESHOLD OF 10

Background detected with accuracy of 71.31%

Original frame:



Background detected:



Error plotted with threshold of 12:



BACKGROUND DETECTION NUMBER 26 WITH THRESHOLD OF 10

Background detected with accuracy of 14.89%

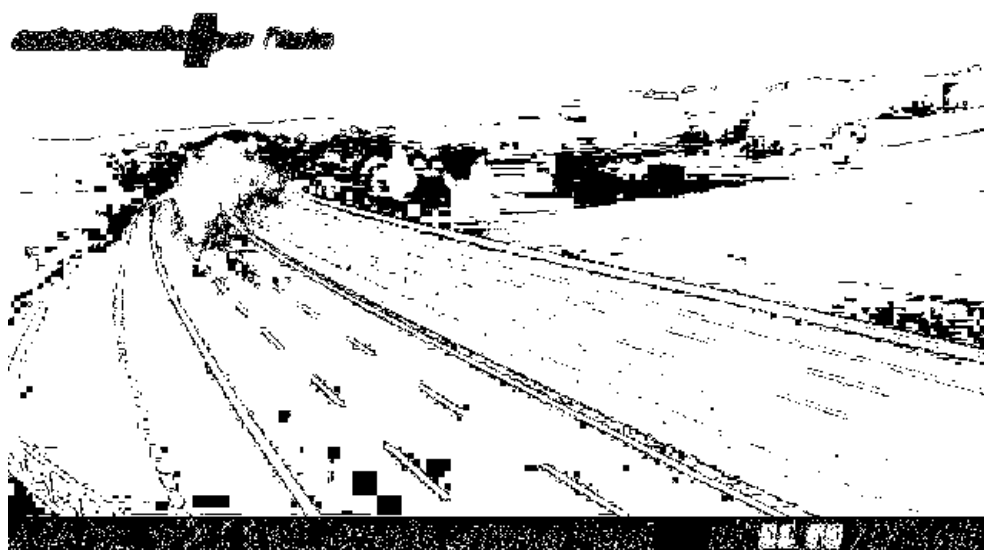
Original frame:



Background detected:



Error plotted with threshold of 12:



BACKGROUND DETECTION NUMBER 27 WITH THRESHOLD OF 10

Background detected with accuracy of 62.1%

Original frame:



Background detected:



Error plotted with threshold of 12:



BACKGROUND DETECTION NUMBER 28 WITH THRESHOLD OF 10

Background detected with accuracy of 46.0%

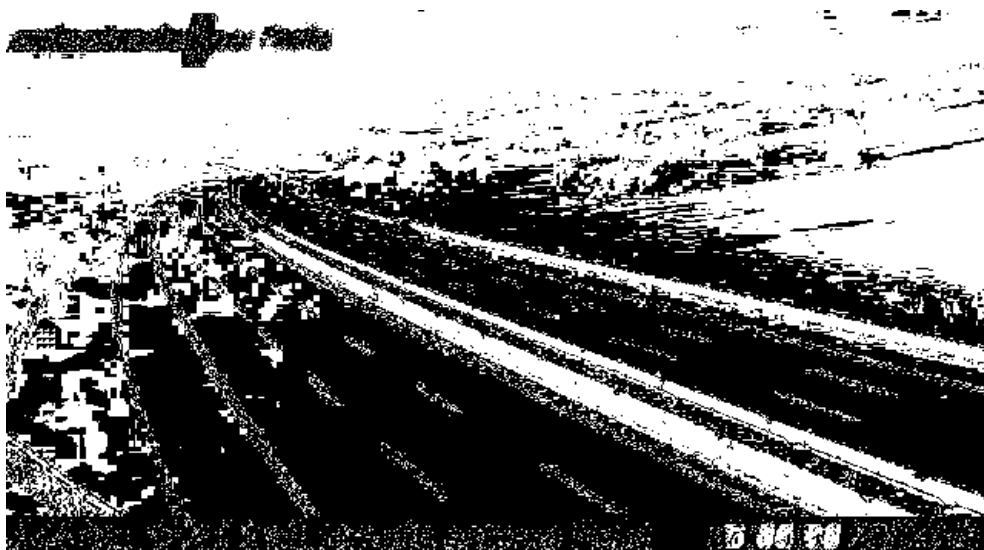
Original frame:



Background detected:



Error plotted with threshold of 12:



BACKGROUND DETECTION NUMBER 29 WITH THRESHOLD OF 10

Background detected with accuracy of 55.87%

Original frame:



Background detected:



Error plotted with threshold of 12:



BACKGROUND DETECTION NUMBER 30 WITH THRESHOLD OF 10

Background detected with accuracy of 76.99%

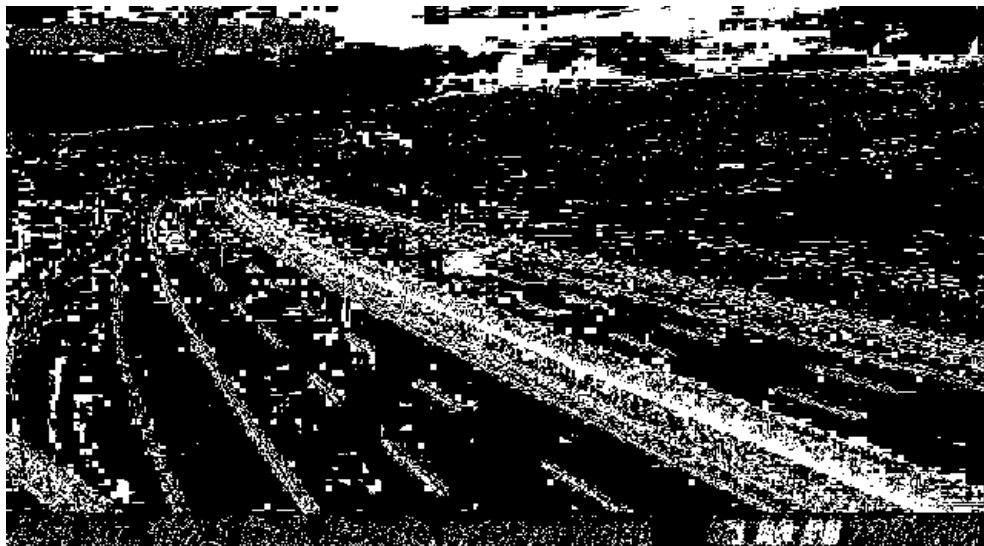
Original frame:



Background detected:



Error plotted with threshold of 12:



BACKGROUND DETECTION NUMBER 31 WITH THRESHOLD OF 10

Background detected with accuracy of 80.44%

Original frame:



Background detected:



Error plotted with threshold of 12:



BACKGROUND DETECTION NUMBER 32 WITH THRESHOLD OF 10

Background detected with accuracy of 76.15%

Original frame:



Background detected:



Error plotted with threshold of 12:



BACKGROUND DETECTION NUMBER 33 WITH THRESHOLD OF 10

Background detected with accuracy of 60.61%

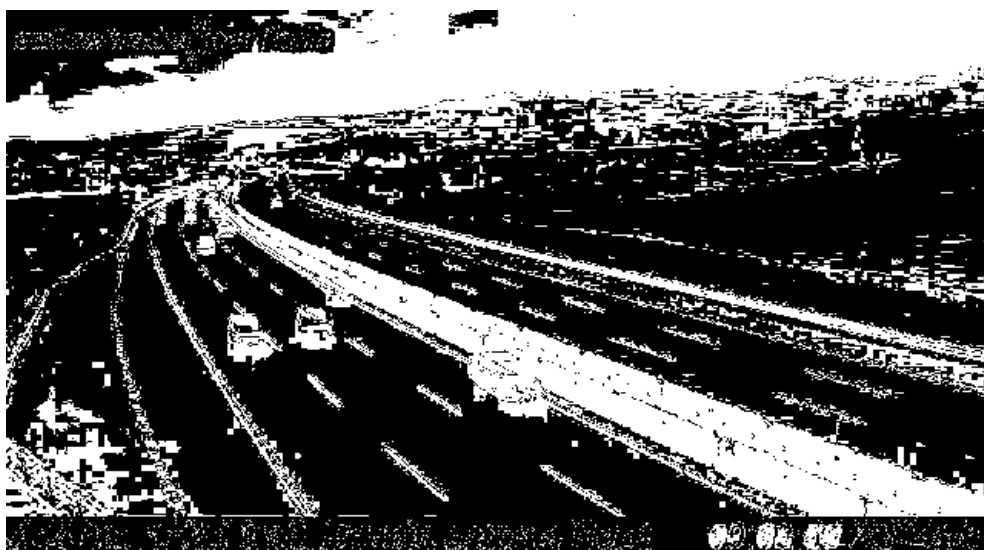
Original frame:



Background detected:



Error plotted with threshold of 12:



BACKGROUND DETECTION NUMBER 34 WITH THRESHOLD OF 10

Background detected with accuracy of 82.98%

Original frame:



Background detected:



Error plotted with threshold of 12:



BACKGROUND DETECTION NUMBER 35 WITH THRESHOLD OF 10

Background detected with accuracy of 61.49%

Original frame:



Background detected:



Error plotted with threshold of 12:

