



Politecnico di Milano
AA 2018 - 2019

Computer Science and Engineering

IMAGE ANALYSIS AND COMPUTER VISION PROJECT

BACKGROUND SUBTRACTION

Results report:

Webcam: A01 - km. 204,0 - Parcheggio Reno

Threshold = 40

Ratio = 0.85

Andrea Mazzeo - 895579
Daniele Moltisanti - 898977

BACKGROUND DETECTION NUMBER 0 WITH THRESHOLD OF 10

Background detected with accuracy of 84.59%

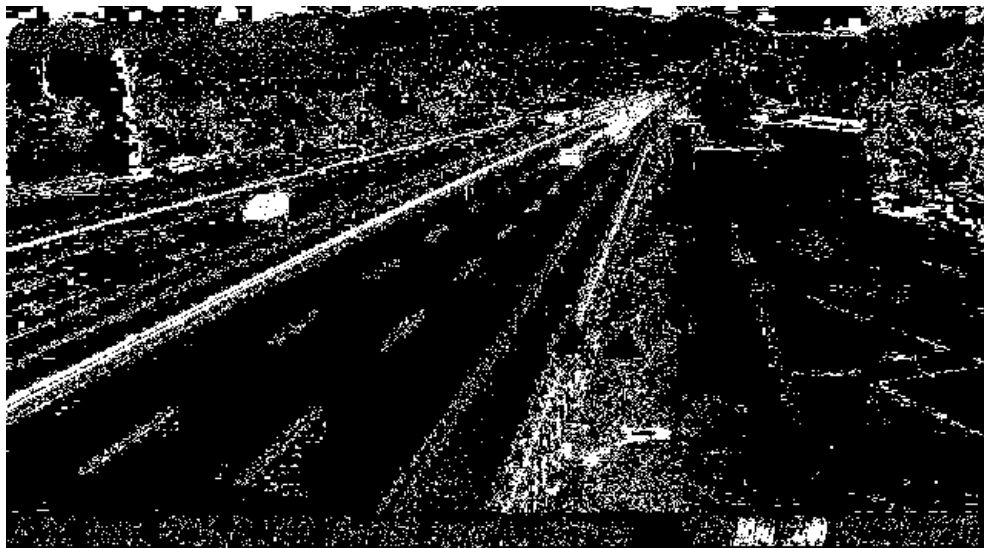
Original frame:



Background detected:



Error plotted with threshold of 12:



BACKGROUND DETECTION NUMBER 1 WITH THRESHOLD OF 10

Background detected with accuracy of 81.1%

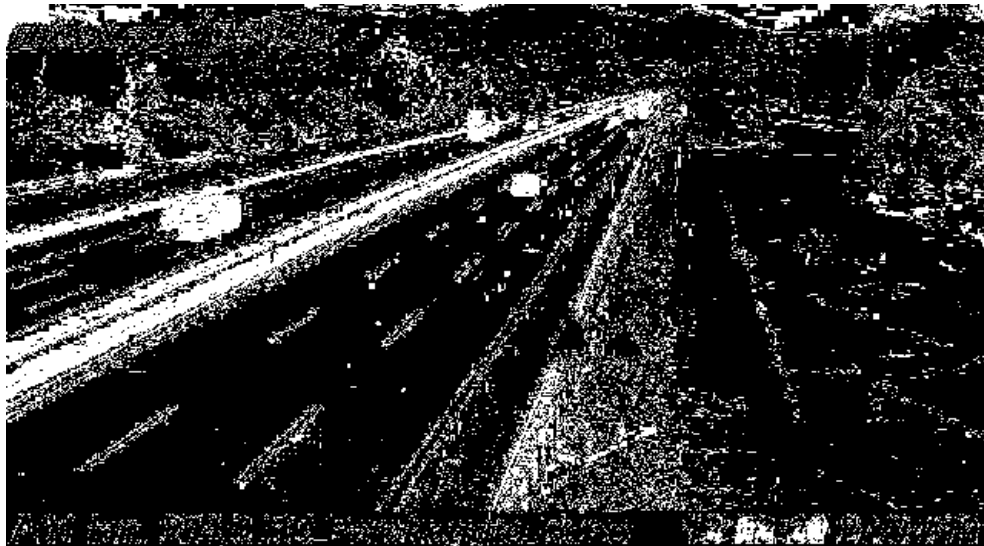
Original frame:



Background detected:



Error plotted with threshold of 12:



BACKGROUND DETECTION NUMBER 2 WITH THRESHOLD OF 10

Background detected with accuracy of 78.41%

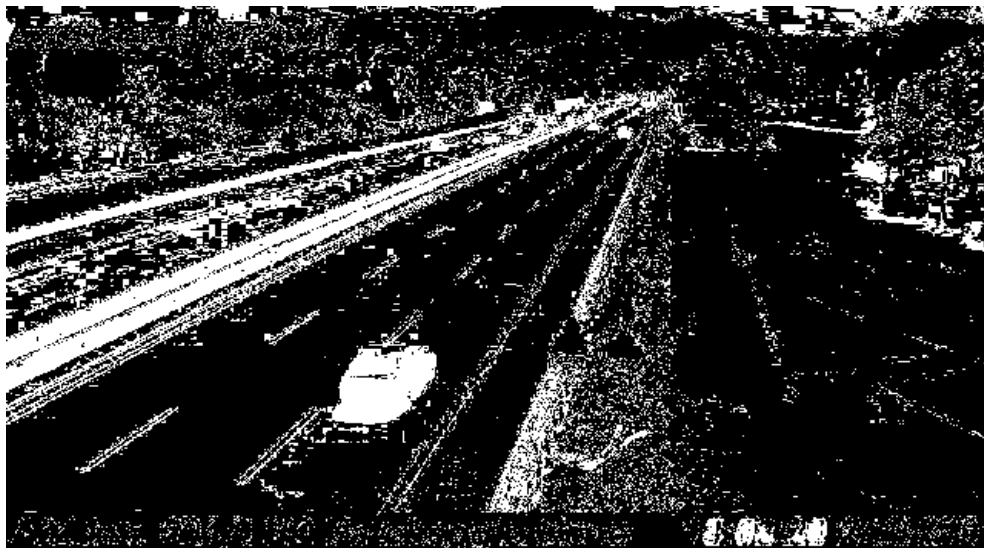
Original frame:



Background detected:



Error plotted with threshold of 12:



BACKGROUND DETECTION NUMBER 3 WITH THRESHOLD OF 10

Background detected with accuracy of 74.69%

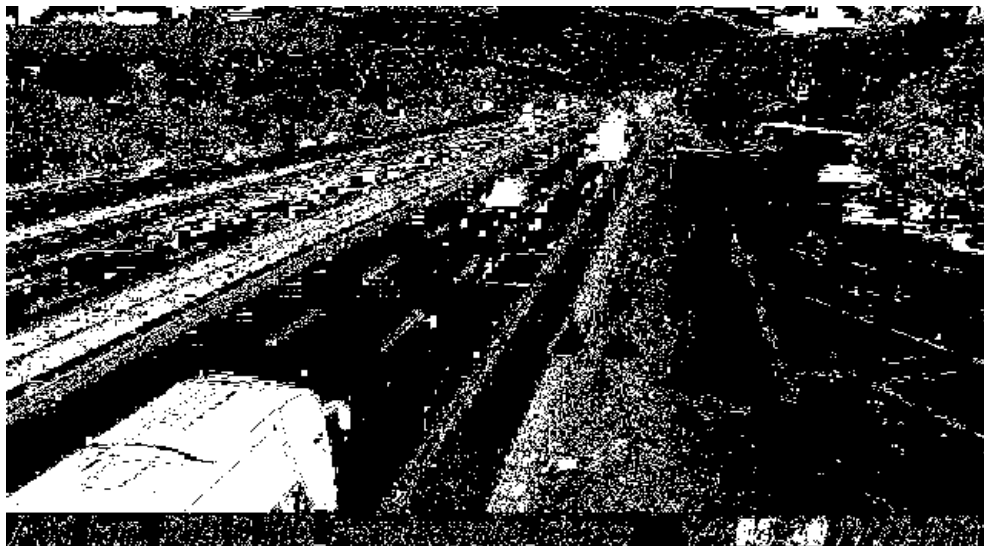
Original frame:



Background detected:



Error plotted with threshold of 12:



BACKGROUND DETECTION NUMBER 4 WITH THRESHOLD OF 10

Background detected with accuracy of 79.03%

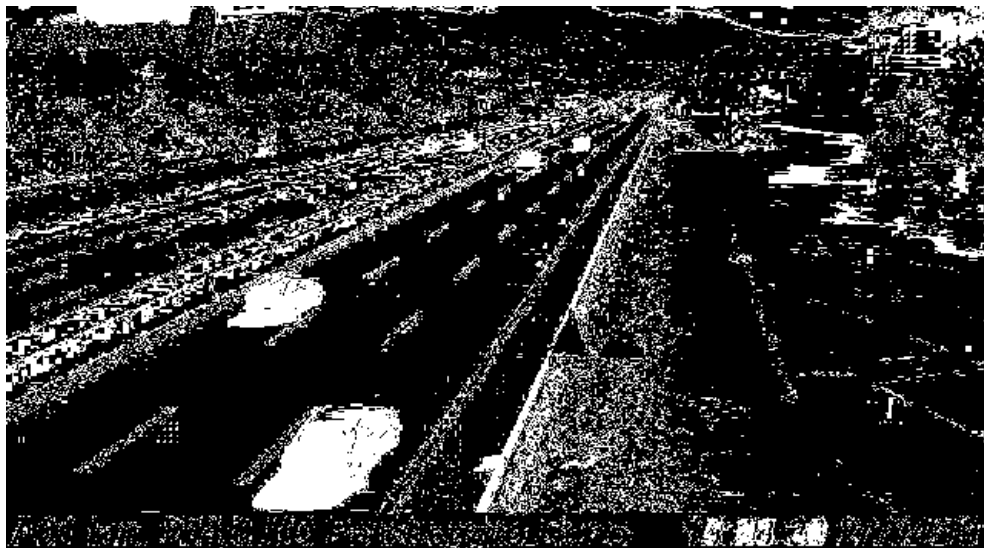
Original frame:



Background detected:



Error plotted with threshold of 12:



BACKGROUND DETECTION NUMBER 5 WITH THRESHOLD OF 10

Background detected with accuracy of 79.73%

Original frame:



Background detected:



Error plotted with threshold of 12:



BACKGROUND DETECTION NUMBER 6 WITH THRESHOLD OF 10

Background detected with accuracy of 78.16%

Original frame:



Background detected:



Error plotted with threshold of 12:



BACKGROUND DETECTION NUMBER 7 WITH THRESHOLD OF 10

Background detected with accuracy of 27.89%

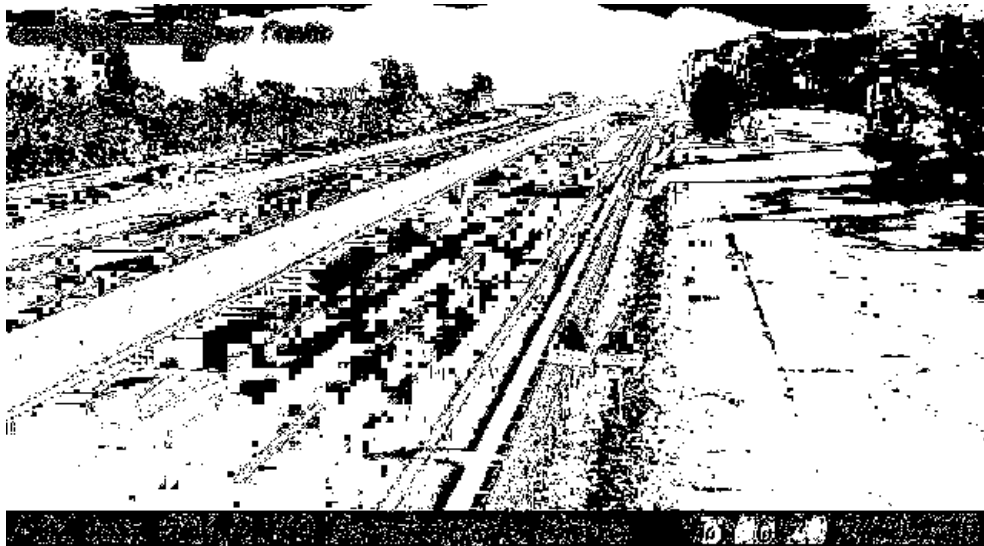
Original frame:



Background detected:



Error plotted with threshold of 12:



BACKGROUND DETECTION NUMBER 8 WITH THRESHOLD OF 10

Background detected with accuracy of 71.87%

Original frame:



Background detected:



Error plotted with threshold of 12:



BACKGROUND DETECTION NUMBER 9 WITH THRESHOLD OF 10

Background detected with accuracy of 58.03%

Original frame:



Background detected:



Error plotted with threshold of 12:



BACKGROUND DETECTION NUMBER 10 WITH THRESHOLD OF 10

Background detected with accuracy of 66.95%

Original frame:



Background detected:



Error plotted with threshold of 12:



BACKGROUND DETECTION NUMBER 11 WITH THRESHOLD OF 10

Background detected with accuracy of 82.45%

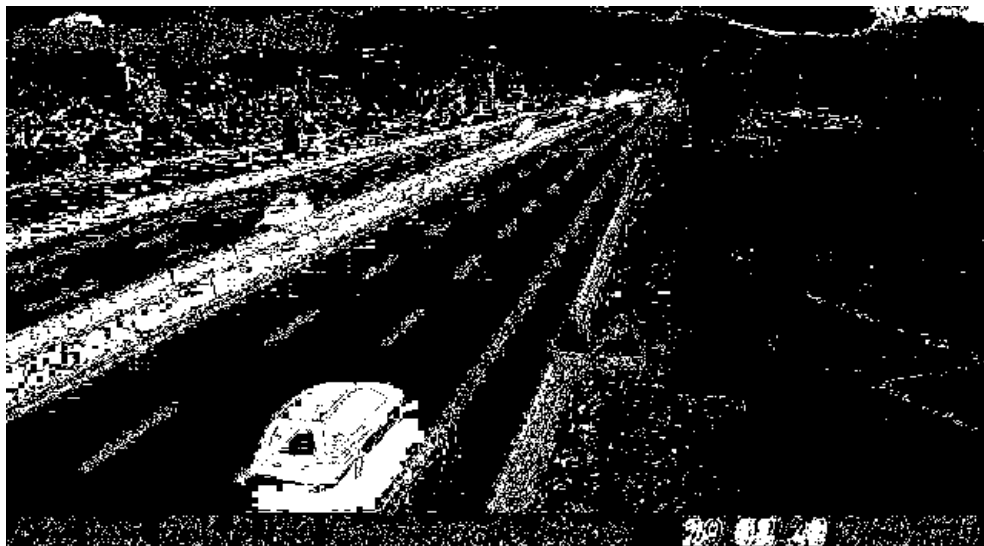
Original frame:



Background detected:



Error plotted with threshold of 12:



BACKGROUND DETECTION NUMBER 12 WITH THRESHOLD OF 10

Background detected with accuracy of 14.82%

Original frame:



Background detected:



Error plotted with threshold of 12:



BACKGROUND DETECTION NUMBER 13 WITH THRESHOLD OF 10

Background detected with accuracy of 50.25%

Original frame:



Background detected:



Error plotted with threshold of 12:



BACKGROUND DETECTION NUMBER 14 WITH THRESHOLD OF 10

Background detected with accuracy of 54.66%

Original frame:



Background detected:



Error plotted with threshold of 12:



BACKGROUND DETECTION NUMBER 15 WITH THRESHOLD OF 10

Background detected with accuracy of 78.63%

Original frame:



Background detected:



Error plotted with threshold of 12:



BACKGROUND DETECTION NUMBER 16 WITH THRESHOLD OF 10

Background detected with accuracy of 66.6%

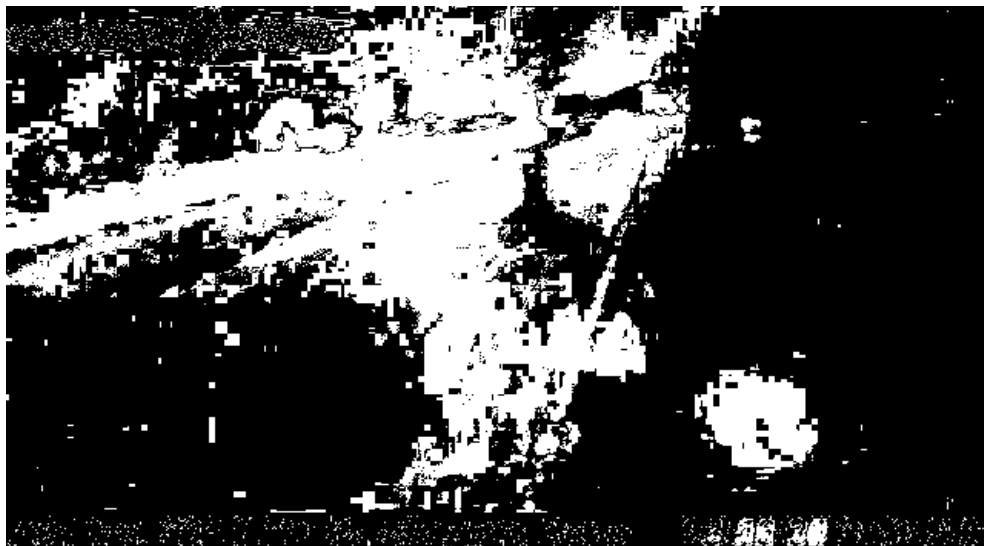
Original frame:



Background detected:



Error plotted with threshold of 12:



BACKGROUND DETECTION NUMBER 17 WITH THRESHOLD OF 10

Background detected with accuracy of 63.17%

Original frame:



Background detected:



Error plotted with threshold of 12:



BACKGROUND DETECTION NUMBER 18 WITH THRESHOLD OF 10

Background detected with accuracy of 66.71%

Original frame:



Background detected:



Error plotted with threshold of 12:



BACKGROUND DETECTION NUMBER 19 WITH THRESHOLD OF 10

Background detected with accuracy of 80.22%

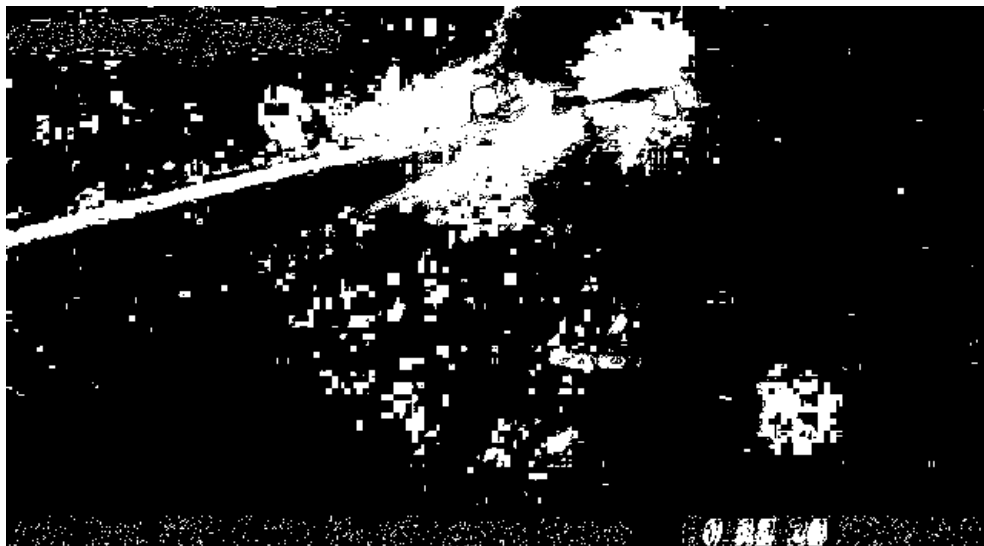
Original frame:



Background detected:



Error plotted with threshold of 12:



BACKGROUND DETECTION NUMBER 20 WITH THRESHOLD OF 10

Background detected with accuracy of 62.23%

Original frame:



Background detected:



Error plotted with threshold of 12:



BACKGROUND DETECTION NUMBER 21 WITH THRESHOLD OF 10

Background detected with accuracy of 53.13%

Original frame:



Background detected:



Error plotted with threshold of 12:



BACKGROUND DETECTION NUMBER 22 WITH THRESHOLD OF 10

Background detected with accuracy of 62.7%

Original frame:



Background detected:



Error plotted with threshold of 12:



BACKGROUND DETECTION NUMBER 23 WITH THRESHOLD OF 10

Background detected with accuracy of 74.86%

Original frame:



Background detected:



Error plotted with threshold of 12:



BACKGROUND DETECTION NUMBER 24 WITH THRESHOLD OF 10

Background detected with accuracy of 93.13%

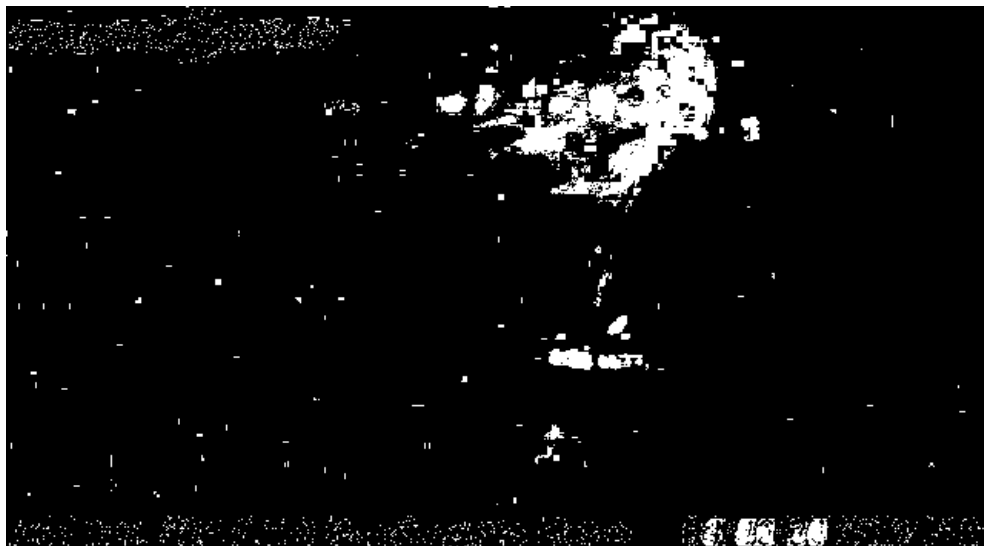
Original frame:



Background detected:



Error plotted with threshold of 12:



BACKGROUND DETECTION NUMBER 25 WITH THRESHOLD OF 10

Background detected with accuracy of 30.57%

Original frame:



Background detected:



Error plotted with threshold of 12:



BACKGROUND DETECTION NUMBER 26 WITH THRESHOLD OF 10

Background detected with accuracy of 11.93%

Original frame:



Background detected:



Error plotted with threshold of 12:



BACKGROUND DETECTION NUMBER 27 WITH THRESHOLD OF 10

Background detected with accuracy of 76.97%

Original frame:



Background detected:



Error plotted with threshold of 12:



BACKGROUND DETECTION NUMBER 28 WITH THRESHOLD OF 10

Background detected with accuracy of 59.08%

Original frame:



Background detected:



Error plotted with threshold of 12:



BACKGROUND DETECTION NUMBER 29 WITH THRESHOLD OF 10

Background detected with accuracy of 58.6%

Original frame:



Background detected:



Error plotted with threshold of 12:



BACKGROUND DETECTION NUMBER 30 WITH THRESHOLD OF 10

Background detected with accuracy of 82.93%

Original frame:



Background detected:



Error plotted with threshold of 12:



BACKGROUND DETECTION NUMBER 31 WITH THRESHOLD OF 10

Background detected with accuracy of 54.08%

Original frame:



Background detected:



Error plotted with threshold of 12:



BACKGROUND DETECTION NUMBER 32 WITH THRESHOLD OF 10

Background detected with accuracy of 79.42%

Original frame:



Background detected:



Error plotted with threshold of 12:



BACKGROUND DETECTION NUMBER 33 WITH THRESHOLD OF 10

Background detected with accuracy of 67.92%

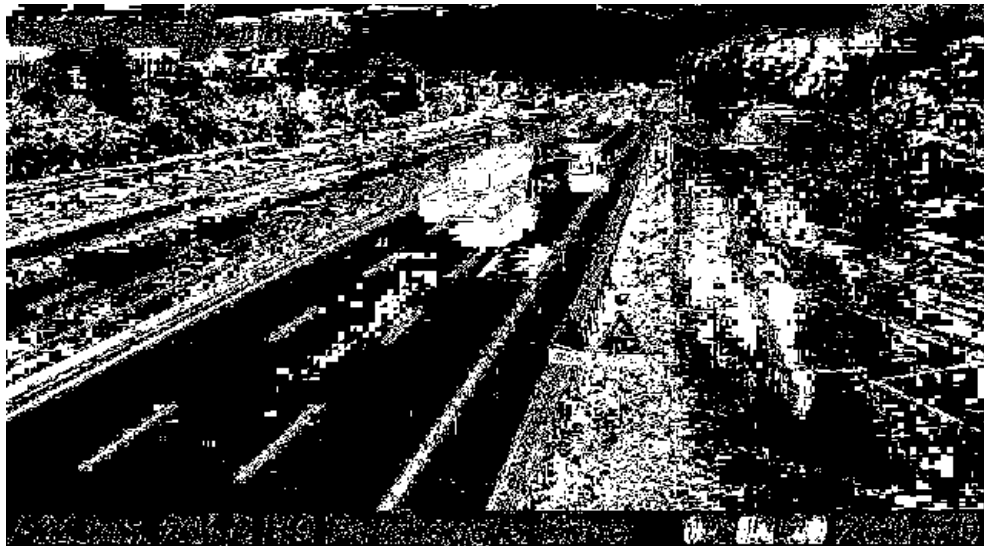
Original frame:



Background detected:



Error plotted with threshold of 12:



BACKGROUND DETECTION NUMBER 34 WITH THRESHOLD OF 10

Background detected with accuracy of 83.26%

Original frame:



Background detected:



Error plotted with threshold of 12:



BACKGROUND DETECTION NUMBER 35 WITH THRESHOLD OF 10

Background detected with accuracy of 59.51%

Original frame:



Background detected:



Error plotted with threshold of 12:

