



Politecnico di Milano
AA 2018 - 2019

Computer Science and Engineering

IMAGE ANALYSIS AND COMPUTER VISION PROJECT

BACKGROUND SUBTRACTION

Results report:

Webcam: A08 - km. 2,2 Milano Fiera itinere 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 33.75%

Original frame:



Background detected:



Error plotted with threshold of 12:



BACKGROUND DETECTION NUMBER 1 WITH THRESHOLD OF 10

Background detected with accuracy of 78.32%

Original frame:



Background detected:



Error plotted with threshold of 12:



BACKGROUND DETECTION NUMBER 2 WITH THRESHOLD OF 10

Background detected with accuracy of 83.14%

Original frame:



Background detected:



Error plotted with threshold of 12:



BACKGROUND DETECTION NUMBER 3 WITH THRESHOLD OF 10

Background detected with accuracy of 78.4%

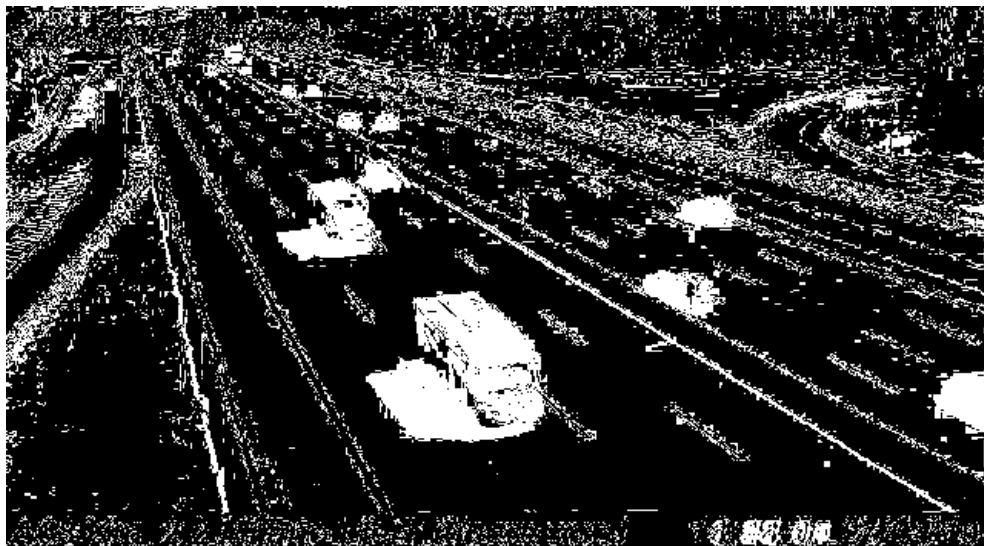
Original frame:



Background detected:



Error plotted with threshold of 12:



BACKGROUND DETECTION NUMBER 4 WITH THRESHOLD OF 10

Background detected with accuracy of 79.37%

Original frame:



Background detected:



Error plotted with threshold of 12:



BACKGROUND DETECTION NUMBER 5 WITH THRESHOLD OF 10

Background detected with accuracy of 71.99%

Original frame:



Background detected:



Error plotted with threshold of 12:



BACKGROUND DETECTION NUMBER 6 WITH THRESHOLD OF 10

Background detected with accuracy of 79.81%

Original frame:



Background detected:



Error plotted with threshold of 12:



BACKGROUND DETECTION NUMBER 7 WITH THRESHOLD OF 10

Background detected with accuracy of 78.84%

Original frame:



Background detected:



Error plotted with threshold of 12:



BACKGROUND DETECTION NUMBER 8 WITH THRESHOLD OF 10

Background detected with accuracy of 73.34%

Original frame:



Background detected:



Error plotted with threshold of 12:



BACKGROUND DETECTION NUMBER 9 WITH THRESHOLD OF 10

Background detected with accuracy of 48.05%

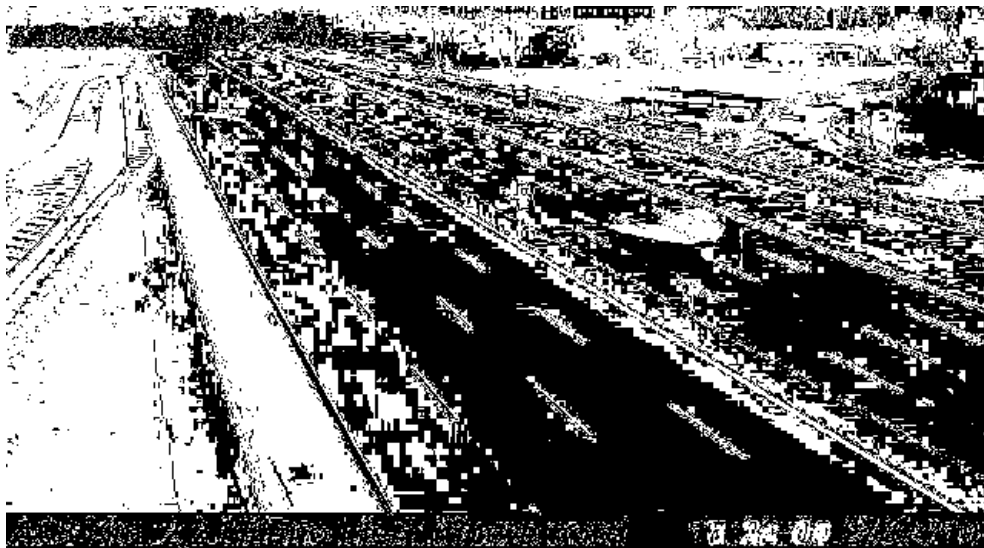
Original frame:



Background detected:



Error plotted with threshold of 12:



BACKGROUND DETECTION NUMBER 10 WITH THRESHOLD OF 10

Background detected with accuracy of 46.55%

Original frame:



Background detected:



Error plotted with threshold of 12:



BACKGROUND DETECTION NUMBER 11 WITH THRESHOLD OF 10

Background detected with accuracy of 58.21%

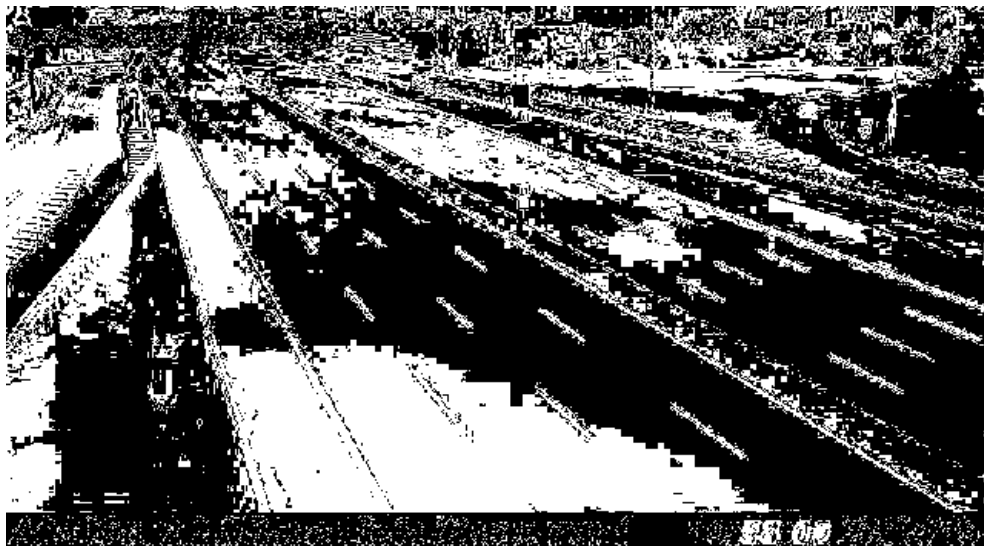
Original frame:



Background detected:



Error plotted with threshold of 12:



BACKGROUND DETECTION NUMBER 12 WITH THRESHOLD OF 10

Background detected with accuracy of 51.23%

Original frame:



Background detected:



Error plotted with threshold of 12:



BACKGROUND DETECTION NUMBER 13 WITH THRESHOLD OF 10

Background detected with accuracy of 31.25%

Original frame:



Background detected:



Error plotted with threshold of 12:



BACKGROUND DETECTION NUMBER 14 WITH THRESHOLD OF 10

Background detected with accuracy of 33.69%

Original frame:



Background detected:



Error plotted with threshold of 12:



BACKGROUND DETECTION NUMBER 15 WITH THRESHOLD OF 10

Background detected with accuracy of 64.35%

Original frame:



Background detected:



Error plotted with threshold of 12:



BACKGROUND DETECTION NUMBER 16 WITH THRESHOLD OF 10

Background detected with accuracy of 16.13%

Original frame:



Background detected:



Error plotted with threshold of 12:



BACKGROUND DETECTION NUMBER 17 WITH THRESHOLD OF 10

Background detected with accuracy of 36.12%

Original frame:



Background detected:



Error plotted with threshold of 12:



BACKGROUND DETECTION NUMBER 18 WITH THRESHOLD OF 10

Background detected with accuracy of 43.07%

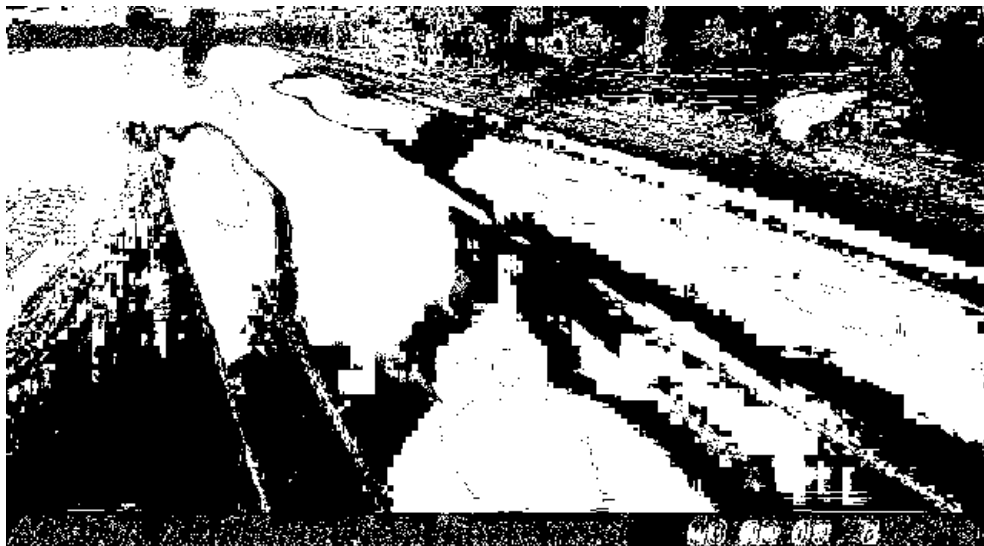
Original frame:



Background detected:



Error plotted with threshold of 12:



BACKGROUND DETECTION NUMBER 19 WITH THRESHOLD OF 10

Background detected with accuracy of 56.5%

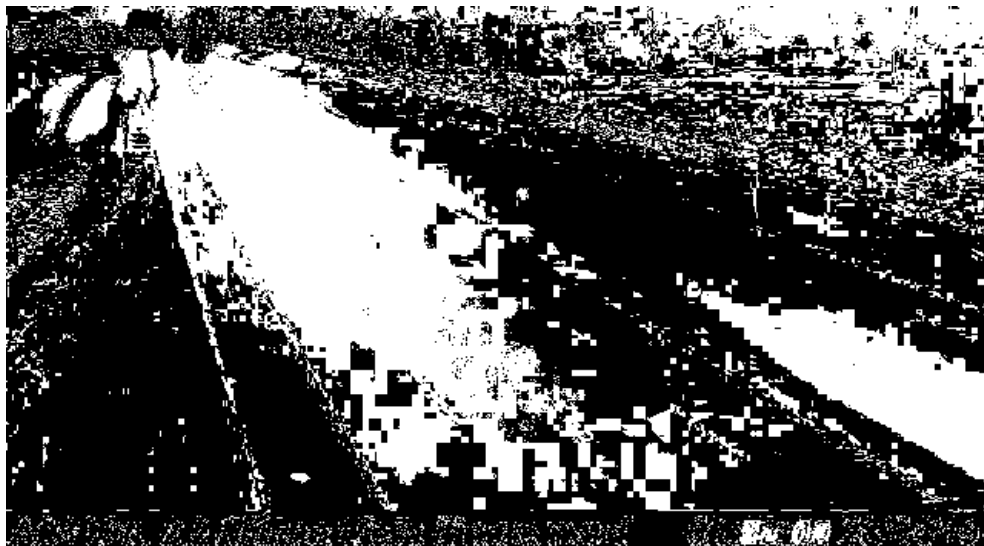
Original frame:



Background detected:



Error plotted with threshold of 12:



BACKGROUND DETECTION NUMBER 20 WITH THRESHOLD OF 10

Background detected with accuracy of 64.62%

Original frame:



Background detected:



Error plotted with threshold of 12:



BACKGROUND DETECTION NUMBER 21 WITH THRESHOLD OF 10

Background detected with accuracy of 24.97%

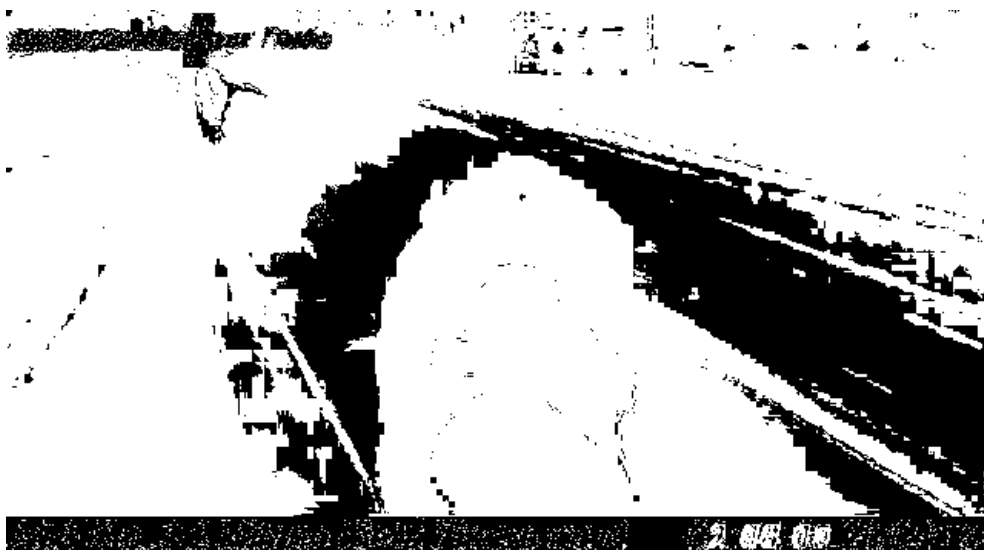
Original frame:



Background detected:



Error plotted with threshold of 12:



BACKGROUND DETECTION NUMBER 22 WITH THRESHOLD OF 10

Background detected with accuracy of 59.6%

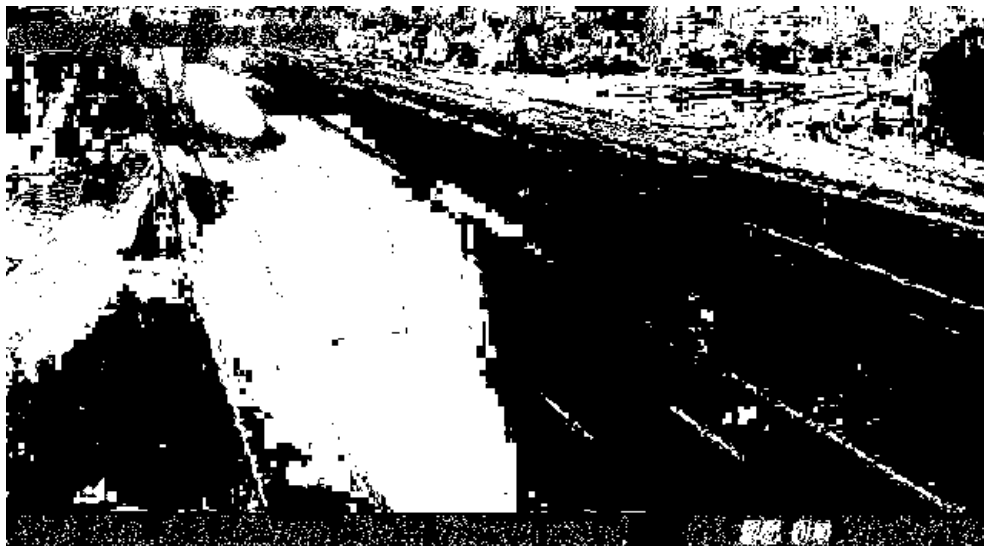
Original frame:



Background detected:



Error plotted with threshold of 12:



BACKGROUND DETECTION NUMBER 23 WITH THRESHOLD OF 10

Background detected with accuracy of 87.26%

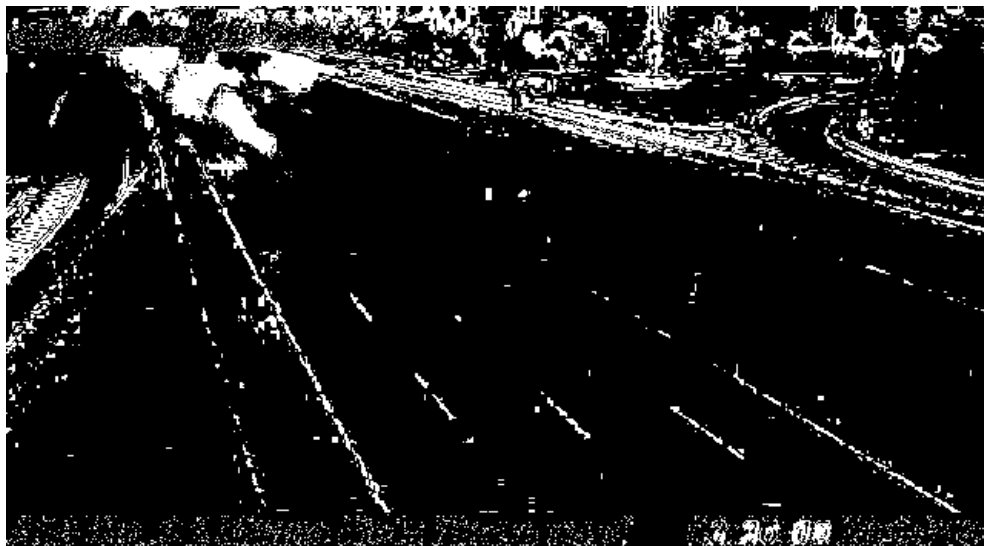
Original frame:



Background detected:



Error plotted with threshold of 12:



BACKGROUND DETECTION NUMBER 24 WITH THRESHOLD OF 10

Background detected with accuracy of 76.3%

Original frame:



Background detected:



Error plotted with threshold of 12:



BACKGROUND DETECTION NUMBER 25 WITH THRESHOLD OF 10

Background detected with accuracy of 37.64%

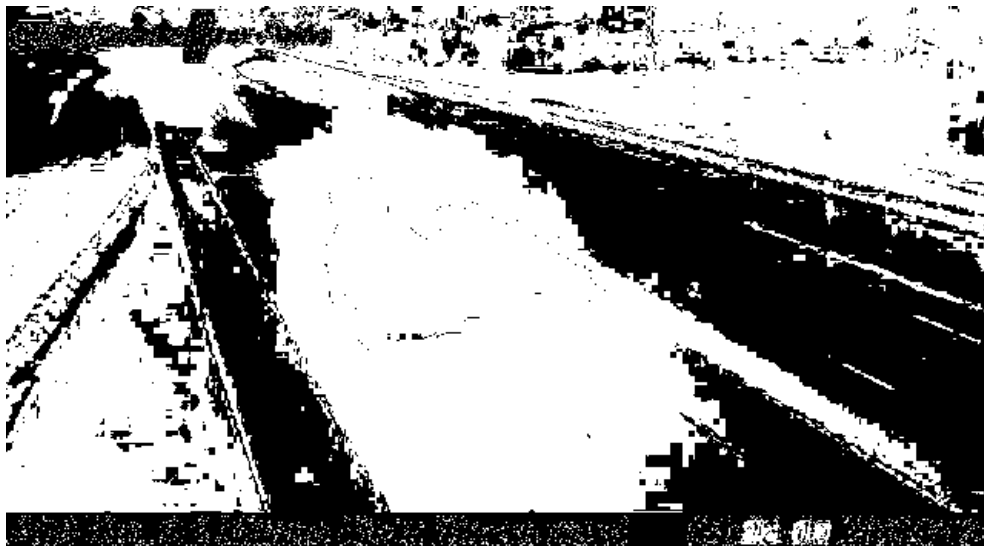
Original frame:



Background detected:



Error plotted with threshold of 12:



BACKGROUND DETECTION NUMBER 26 WITH THRESHOLD OF 10

Background detected with accuracy of 80.89%

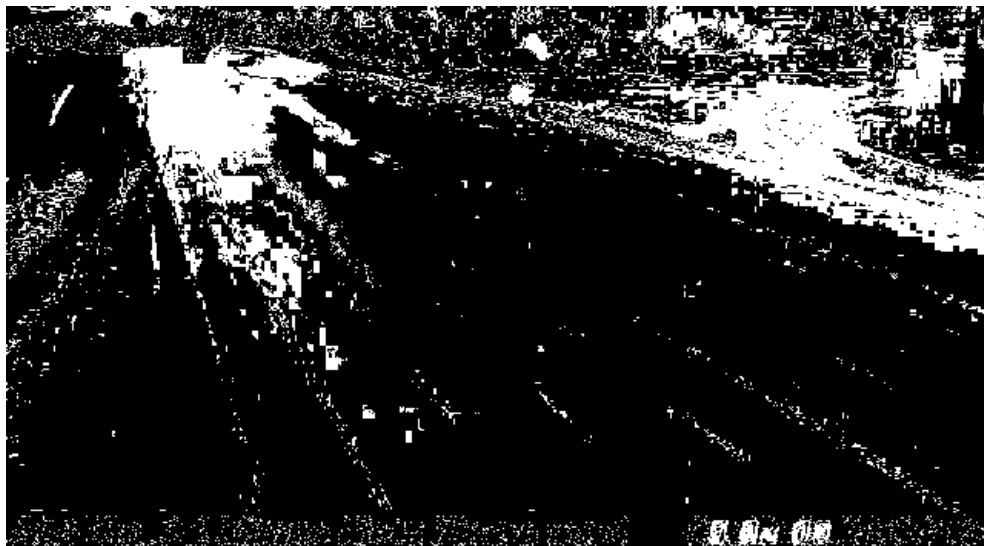
Original frame:



Background detected:



Error plotted with threshold of 12:



BACKGROUND DETECTION NUMBER 27 WITH THRESHOLD OF 10

Background detected with accuracy of 37.99%

Original frame:



Background detected:



Error plotted with threshold of 12:



BACKGROUND DETECTION NUMBER 28 WITH THRESHOLD OF 10

Background detected with accuracy of 42.53%

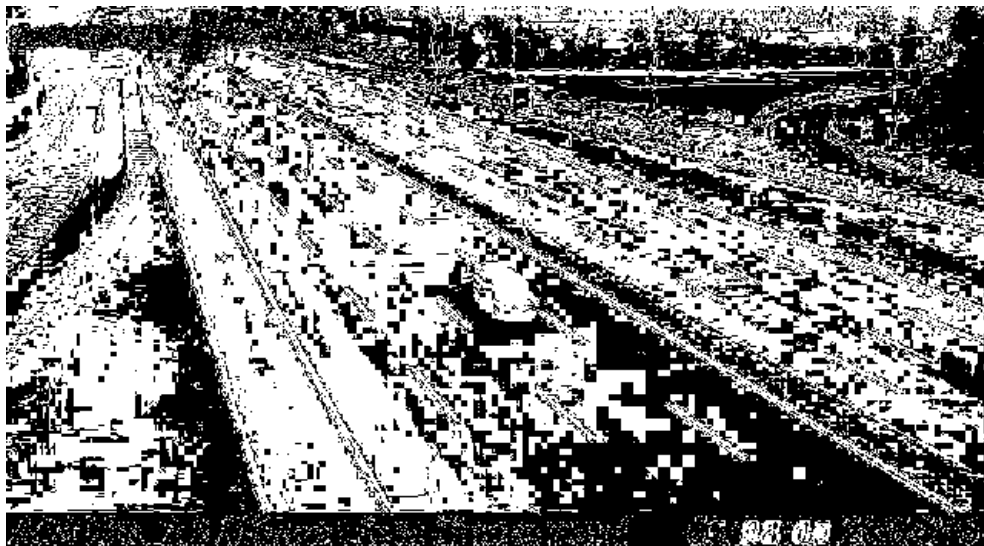
Original frame:



Background detected:



Error plotted with threshold of 12:



BACKGROUND DETECTION NUMBER 29 WITH THRESHOLD OF 10

Background detected with accuracy of 80.83%

Original frame:



Background detected:



Error plotted with threshold of 12:



BACKGROUND DETECTION NUMBER 30 WITH THRESHOLD OF 10

Background detected with accuracy of 59.37%

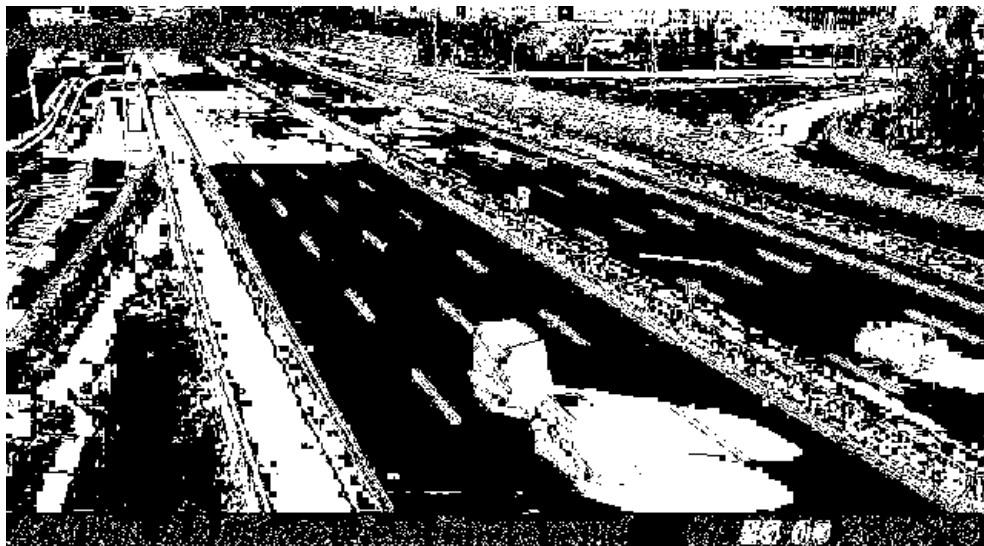
Original frame:



Background detected:



Error plotted with threshold of 12:



BACKGROUND DETECTION NUMBER 31 WITH THRESHOLD OF 10

Background detected with accuracy of 70.37%

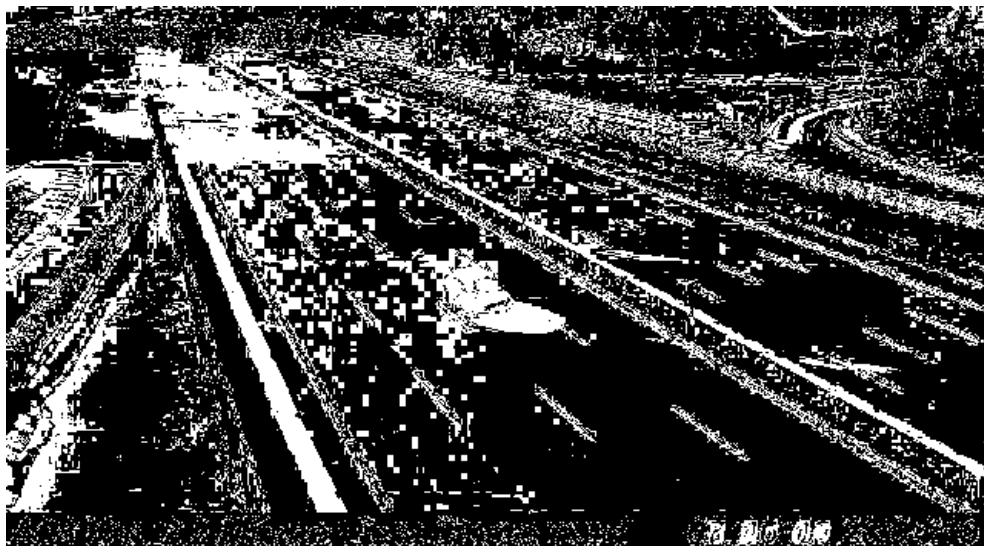
Original frame:



Background detected:



Error plotted with threshold of 12:



BACKGROUND DETECTION NUMBER 32 WITH THRESHOLD OF 10

Background detected with accuracy of 73.92%

Original frame:



Background detected:



Error plotted with threshold of 12:



BACKGROUND DETECTION NUMBER 33 WITH THRESHOLD OF 10

Background detected with accuracy of 70.77%

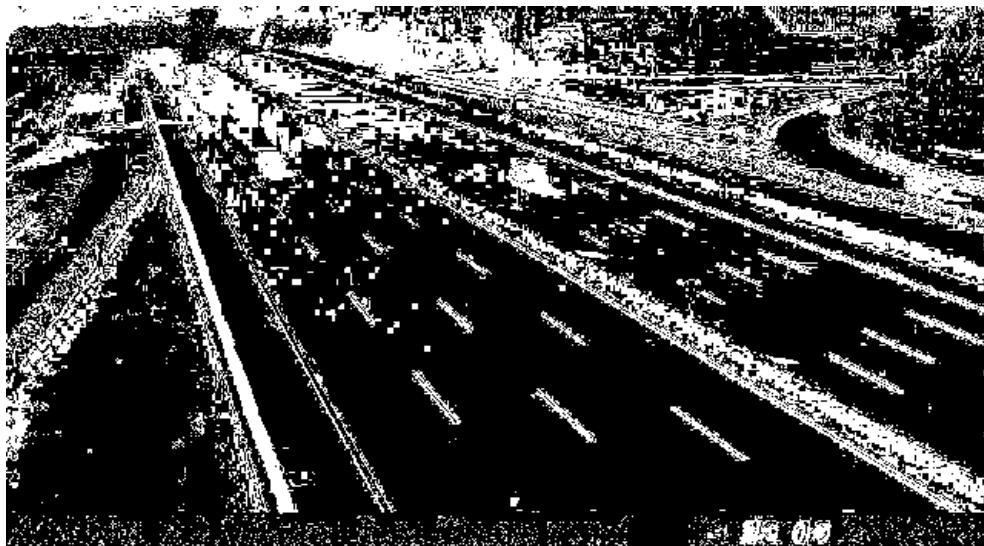
Original frame:



Background detected:



Error plotted with threshold of 12:



BACKGROUND DETECTION NUMBER 34 WITH THRESHOLD OF 10

Background detected with accuracy of 75.72%

Original frame:



Background detected:



Error plotted with threshold of 12:



BACKGROUND DETECTION NUMBER 35 WITH THRESHOLD OF 10

Background detected with accuracy of 77.94%

Original frame:



Background detected:



Error plotted with threshold of 12:



BACKGROUND DETECTION NUMBER 36 WITH THRESHOLD OF 10

Background detected with accuracy of 68.6%

Original frame:



Background detected:



Error plotted with threshold of 12:

