Politecnico di Milano
AA 2018 - 2019

Computer Science and Engineering

IMAGE ANALYSIS AND COMPUTER VISION PROJECT

BACKGROUND SUBTRACTION

Results report:

Webcam: A13 - km. 33,0 Ferrara Sud shelter itinere Nord

Threshold = 40

Ratio = 0.7

Andrea Mazzeo - 895579
Daniele Moltisanti - 898977

BACKGROUND DETECTION NUMBER 0 WITH THRESHOLD OF 10
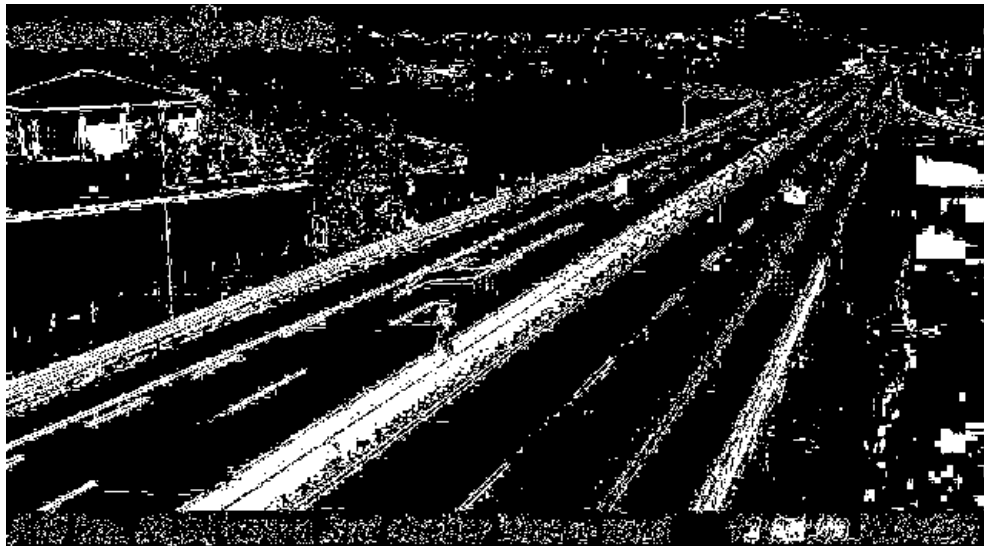
Background detected with accuracy of 85.95%

Original frame:

Background detected:

Error plotted with threshold of 10:

BACKGROUND DETECTION NUMBER 1 WITH THRESHOLD OF 10

Background detected with accuracy of 83.85%

Original frame:

Background detected:

Error plotted with threshold of 10:

BACKGROUND DETECTION NUMBER 2 WITH THRESHOLD OF 10

Background detected with accuracy of 84.77%

Original frame:

Background detected:

Error plotted with threshold of 10:

BACKGROUND DETECTION NUMBER 3 WITH THRESHOLD OF 10
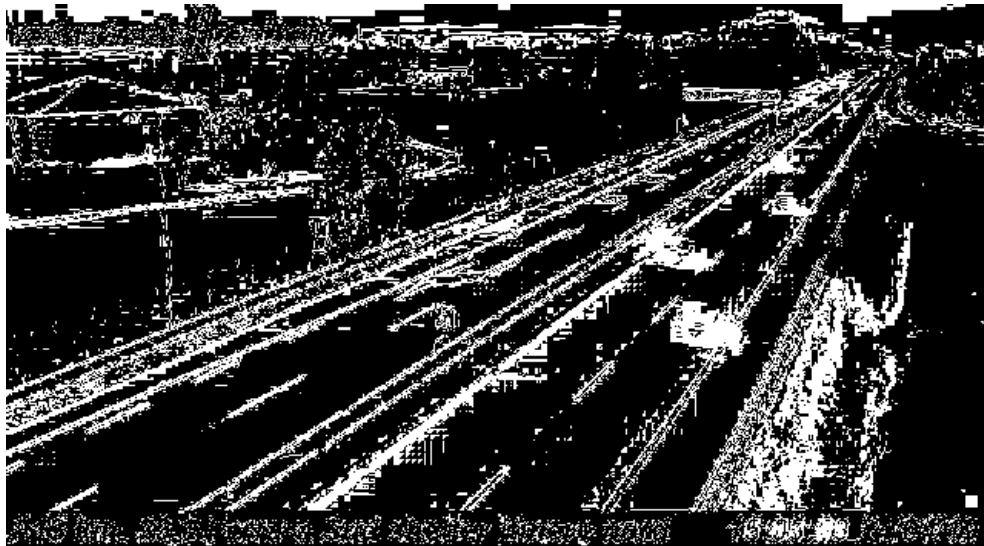
Background detected with accuracy of 81.64%

Original frame:

Background detected:

Error plotted with threshold of 10:

BACKGROUND DETECTION NUMBER 4 WITH THRESHOLD OF 10
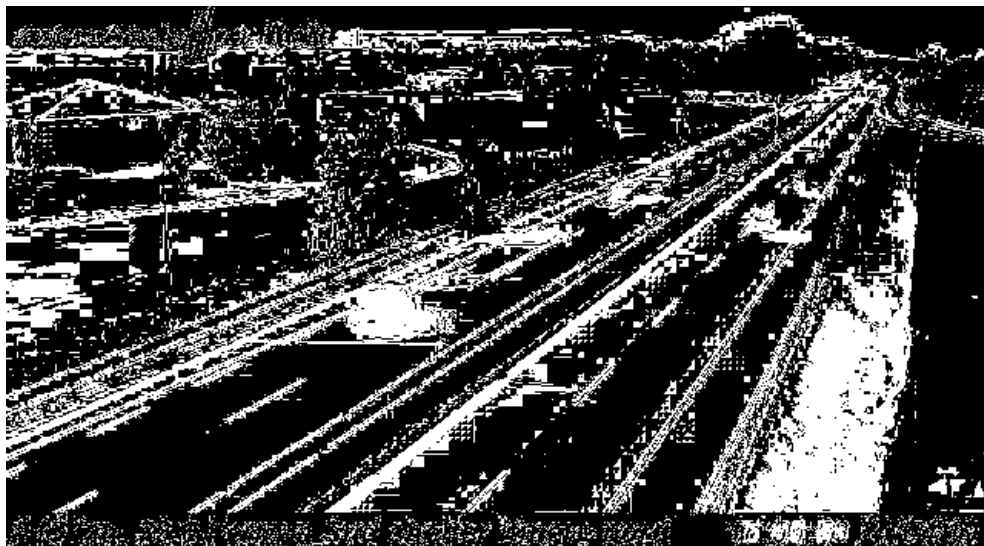
Background detected with accuracy of 77.18%

Original frame:

Background detected:

Error plotted with threshold of 10:

BACKGROUND DETECTION NUMBER 5 WITH THRESHOLD OF 10

Background detected with accuracy of 77.65%

Original frame:

Background detected:

Error plotted with threshold of 10:

BACKGROUND DETECTION NUMBER 6 WITH THRESHOLD OF 10

Background detected with accuracy of 59.11%

Original frame:

Background detected:

Error plotted with threshold of 10:

BACKGROUND DETECTION NUMBER 7 WITH THRESHOLD OF 10

Background detected with accuracy of 52.33%
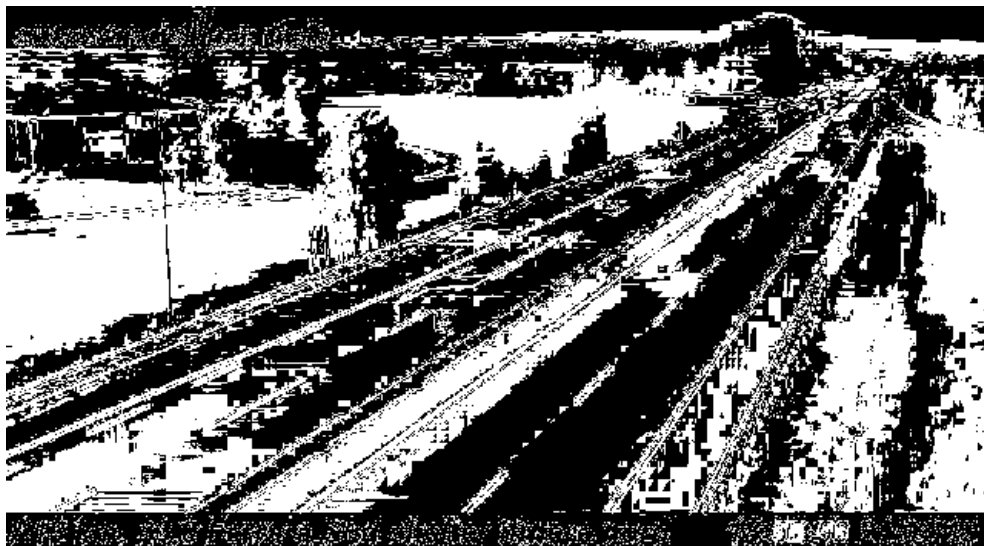
Original frame:

Background detected:

Error plotted with threshold of 10:

BACKGROUND DETECTION NUMBER 8 WITH THRESHOLD OF 10

Background detected with accuracy of 16.61%

Original frame:

Background detected:

Error plotted with threshold of 10:

BACKGROUND DETECTION NUMBER 9 WITH THRESHOLD OF 10

Background detected with accuracy of 85.71%

Original frame:

Background detected:

Error plotted with threshold of 10:

BACKGROUND DETECTION NUMBER 10 WITH THRESHOLD OF 10

Background detected with accuracy of 84.18%

Original frame:

Background detected:

Error plotted with threshold of 10:

BACKGROUND DETECTION NUMBER 11 WITH THRESHOLD OF 10

Background detected with accuracy of 94.98%

Original frame:

Background detected:

Error plotted with threshold of 10:

BACKGROUND DETECTION NUMBER 12 WITH THRESHOLD OF 10

Background detected with accuracy of 93.94%

Original frame:

Background detected:

Error plotted with threshold of 10:

BACKGROUND DETECTION NUMBER 13 WITH THRESHOLD OF 10

Background detected with accuracy of 92.01%

Original frame:

Background detected:

Error plotted with threshold of 10:

BACKGROUND DETECTION NUMBER 14 WITH THRESHOLD OF 10

Background detected with accuracy of 95.94%

Original frame:

Background detected:

Error plotted with threshold of 10:

BACKGROUND DETECTION NUMBER 15 WITH THRESHOLD OF 10

Background detected with accuracy of 95.57%

Original frame:

Background detected:

Error plotted with threshold of 10:

BACKGROUND DETECTION NUMBER 16 WITH THRESHOLD OF 10
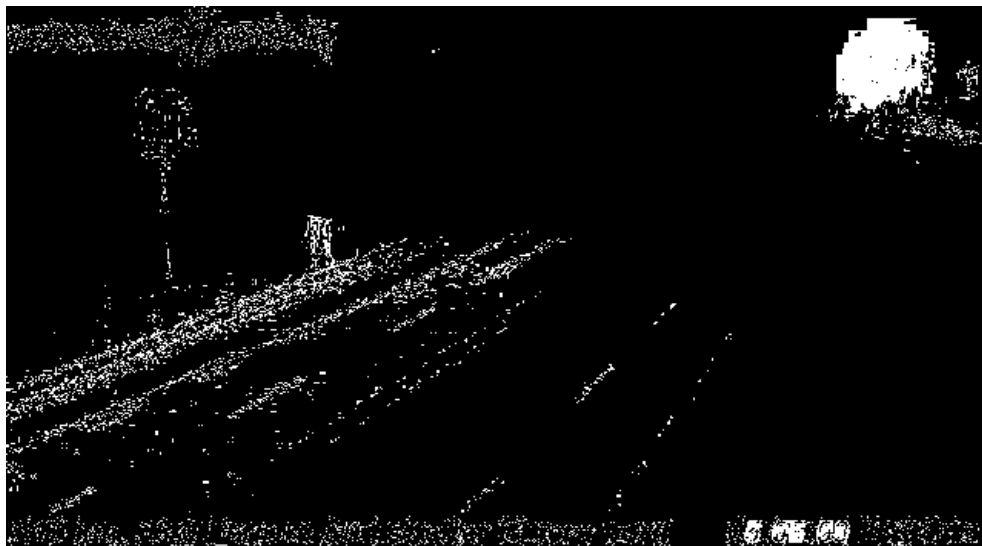
Background detected with accuracy of 96.05%

Original frame:

Background detected:

Error plotted with threshold of 10:

BACKGROUND DETECTION NUMBER 17 WITH THRESHOLD OF 10
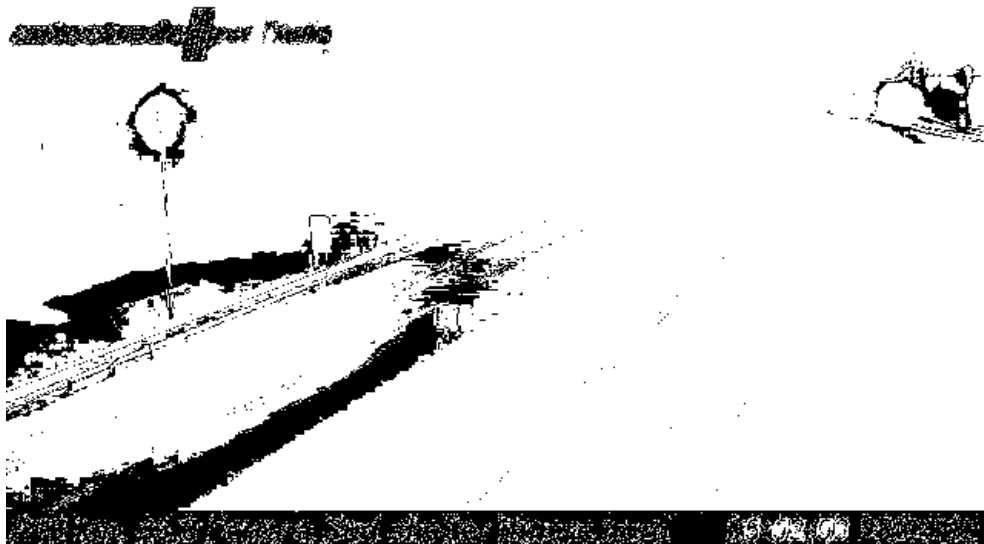
Background detected with accuracy of 15.0%

Original frame:

Background detected:

Error plotted with threshold of 10:

BACKGROUND DETECTION NUMBER 18 WITH THRESHOLD OF 10
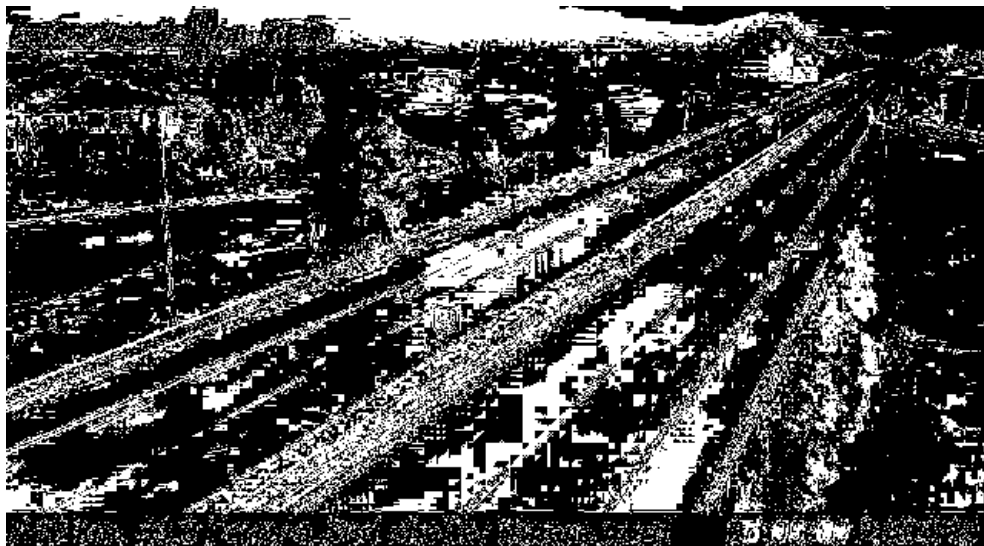
Background detected with accuracy of 77.73%

Original frame:

Background detected:

Error plotted with threshold of 10:

BACKGROUND DETECTION NUMBER 19 WITH THRESHOLD OF 10

Background detected with accuracy of 88.21%

Original frame:

Background detected:

Error plotted with threshold of 10:

BACKGROUND DETECTION NUMBER 20 WITH THRESHOLD OF 10

Background detected with accuracy of 86.83%

Original frame:

Background detected:

Error plotted with threshold of 10:

BACKGROUND DETECTION NUMBER 21 WITH THRESHOLD OF 10

Background detected with accuracy of 59.2%

Original frame:

Background detected:

Error plotted with threshold of 10:

BACKGROUND DETECTION NUMBER 22 WITH THRESHOLD OF 10
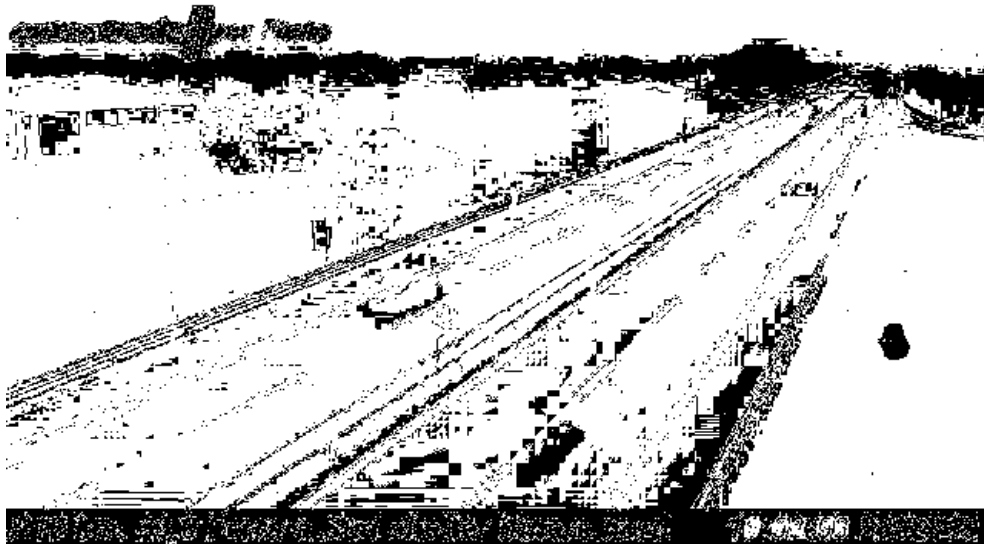
Background detected with accuracy of 24.98%

Original frame:

Background detected:

Error plotted with threshold of 10:

BACKGROUND DETECTION NUMBER 23 WITH THRESHOLD OF 10

Background detected with accuracy of 57.76%

Original frame:

A13 km. 33,0 Ferrara Sud shelter itinere nord   12:04:59 28/04/19

Background detected:

A13 km. 33,0 Ferrara Sud shelter itinere nord   11:39:03 28/04/19

Error plotted with threshold of 10: