



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 = 1

Andrea Mazzeo - 895579  
Daniele Moltisanti - 898977

## BACKGROUND DETECTION NUMBER 0 WITH THRESHOLD OF 10

Background detected with accuracy of 81.24%

Original frame:



Background detected:



Error plotted with threshold of 10:



## BACKGROUND DETECTION NUMBER 1 WITH THRESHOLD OF 10

Background detected with accuracy of 82.73%

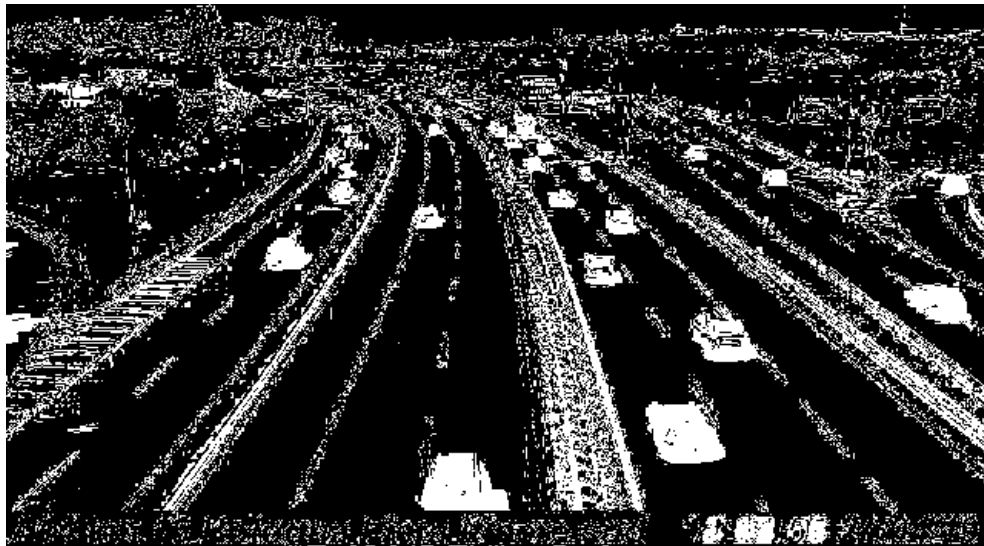
Original frame:



Background detected:



Error plotted with threshold of 10:



## BACKGROUND DETECTION NUMBER 2 WITH THRESHOLD OF 10

Background detected with accuracy of 76.31%

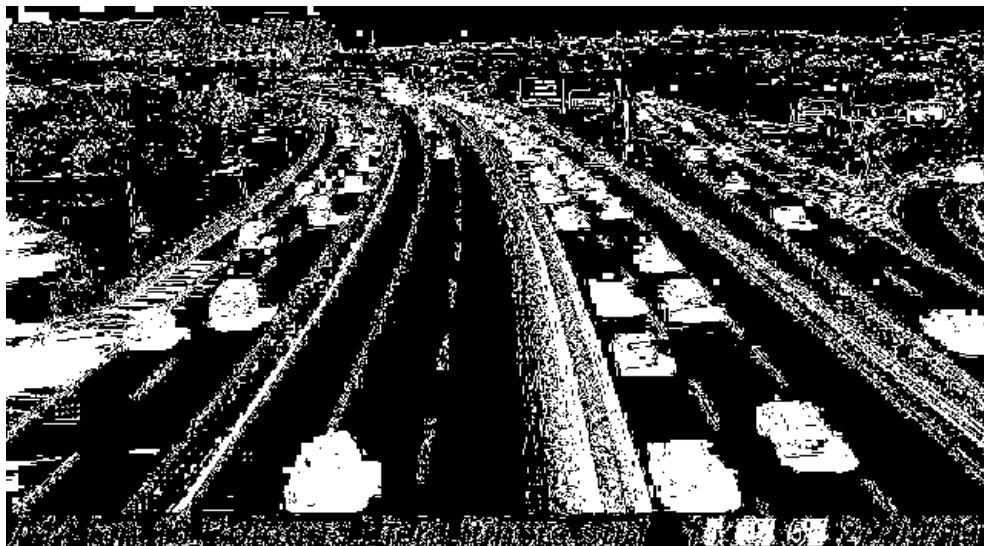
Original frame:



Background detected:



Error plotted with threshold of 10:



## BACKGROUND DETECTION NUMBER 3 WITH THRESHOLD OF 10

Background detected with accuracy of 72.28%

Original frame:



Background detected:



Error plotted with threshold of 10:



## BACKGROUND DETECTION NUMBER 4 WITH THRESHOLD OF 10

Background detected with accuracy of 70.65%

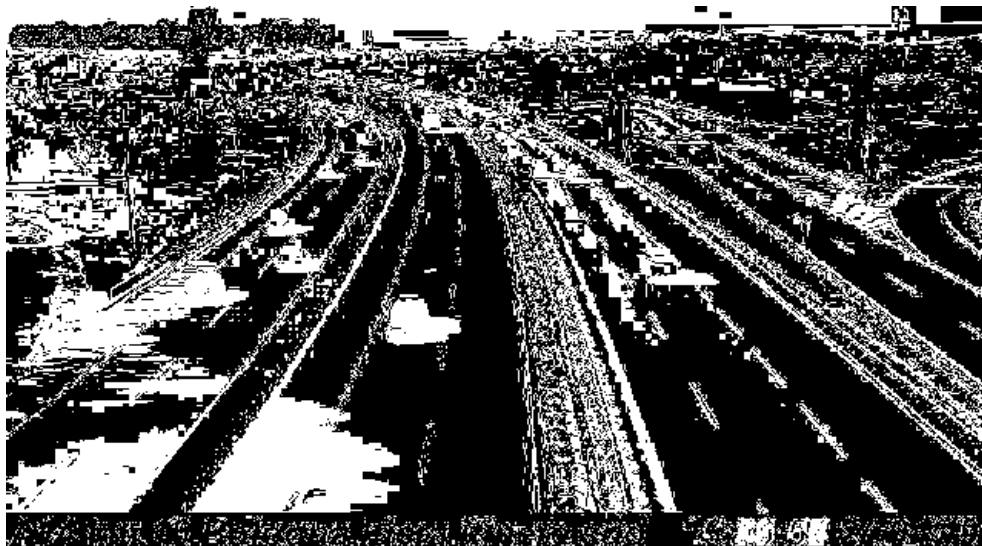
Original frame:



Background detected:



Error plotted with threshold of 10:





## BACKGROUND DETECTION NUMBER 5 WITH THRESHOLD OF 10

Background detected with accuracy of 75.75%

Original frame:



Background detected:



Error plotted with threshold of 10:



## BACKGROUND DETECTION NUMBER 6 WITH THRESHOLD OF 10

Background detected with accuracy of 66.54%

Original frame:



Background detected:



Error plotted with threshold of 10:





## BACKGROUND DETECTION NUMBER 7 WITH THRESHOLD OF 10

Background detected with accuracy of 73.21%

Original frame:



Background detected:



Error plotted with threshold of 10:



## BACKGROUND DETECTION NUMBER 8 WITH THRESHOLD OF 10

Background detected with accuracy of 27.8%

Original frame:



Background detected:



Error plotted with threshold of 10:



## BACKGROUND DETECTION NUMBER 9 WITH THRESHOLD OF 10

Background detected with accuracy of 65.76%

Original frame:



Background detected:



Error plotted with threshold of 10:



## BACKGROUND DETECTION NUMBER 10 WITH THRESHOLD OF 10

Background detected with accuracy of 82.11%

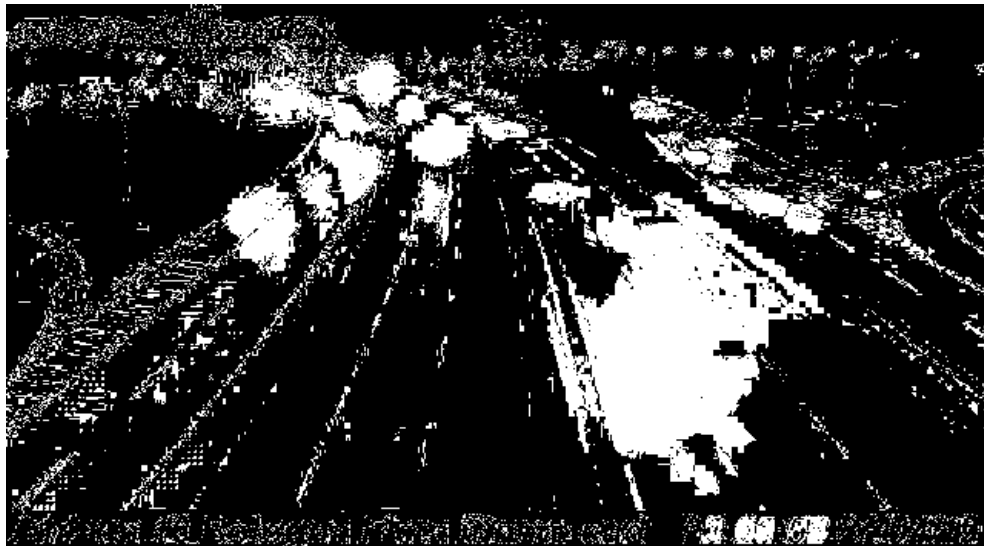
Original frame:



Background detected:



Error plotted with threshold of 10:



## BACKGROUND DETECTION NUMBER 11 WITH THRESHOLD OF 10

Background detected with accuracy of 85.83%

Original frame:



Background detected:



Error plotted with threshold of 10:



## BACKGROUND DETECTION NUMBER 12 WITH THRESHOLD OF 10

Background detected with accuracy of 74.44%

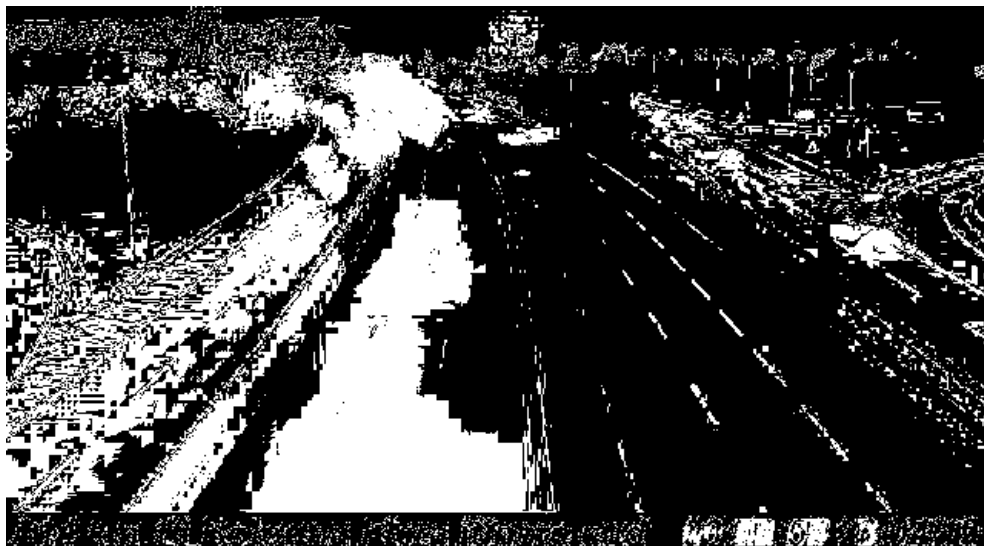
Original frame:



Background detected:



Error plotted with threshold of 10:





## BACKGROUND DETECTION NUMBER 13 WITH THRESHOLD OF 10

Background detected with accuracy of 88.47%

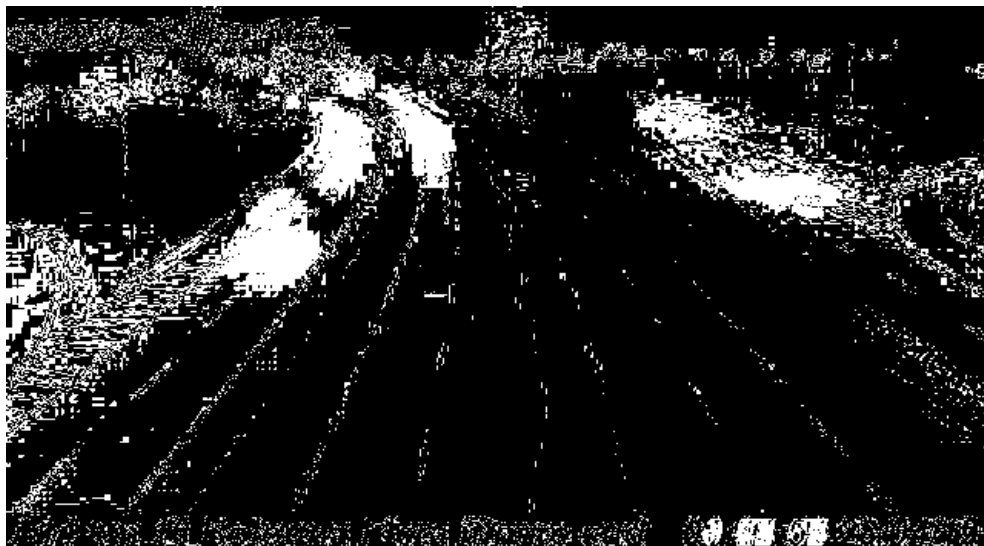
Original frame:



Background detected:



Error plotted with threshold of 10:



## BACKGROUND DETECTION NUMBER 14 WITH THRESHOLD OF 10

Background detected with accuracy of 93.3%

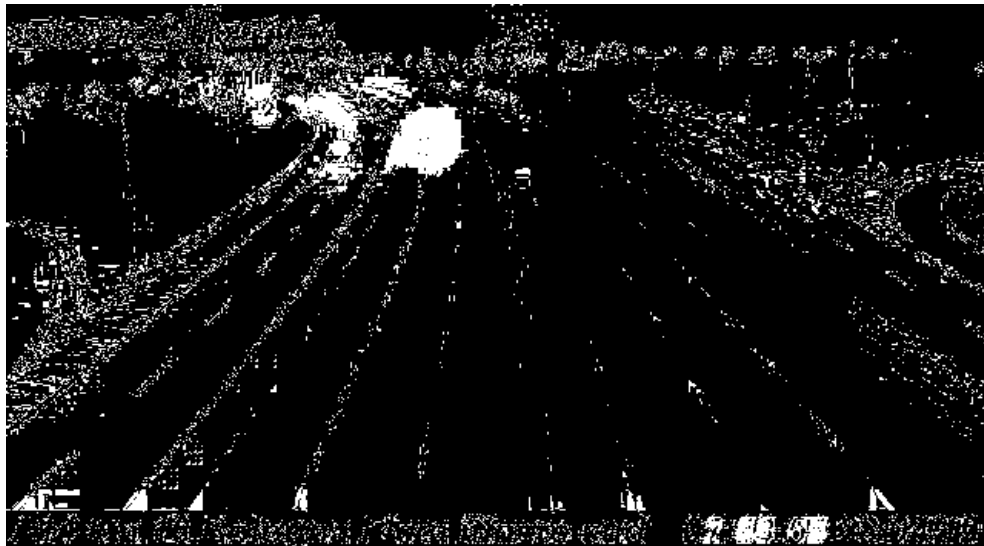
Original frame:



Background detected:



Error plotted with threshold of 10:



## BACKGROUND DETECTION NUMBER 15 WITH THRESHOLD OF 10

Background detected with accuracy of 93.43%

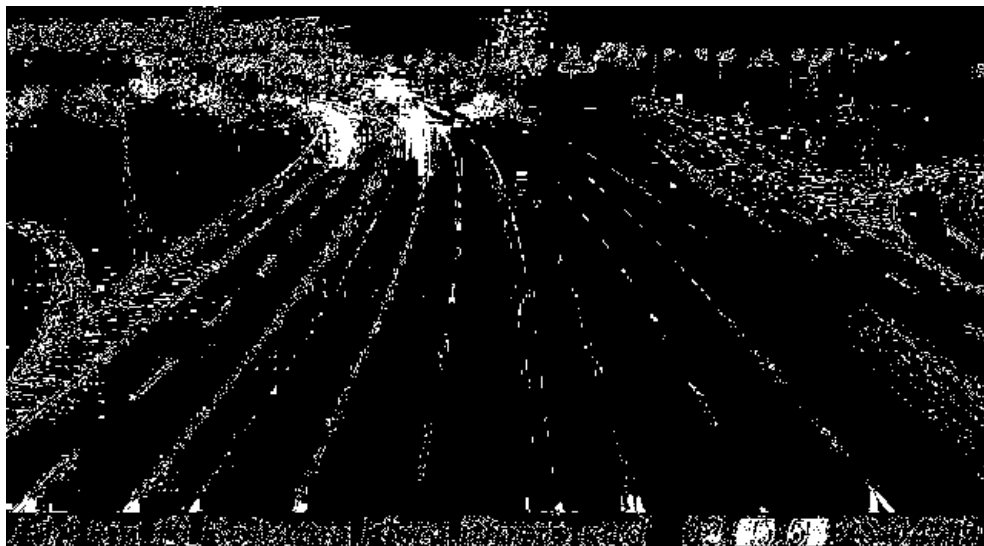
Original frame:



Background detected:



Error plotted with threshold of 10:



## BACKGROUND DETECTION NUMBER 16 WITH THRESHOLD OF 10

Background detected with accuracy of 94.25%

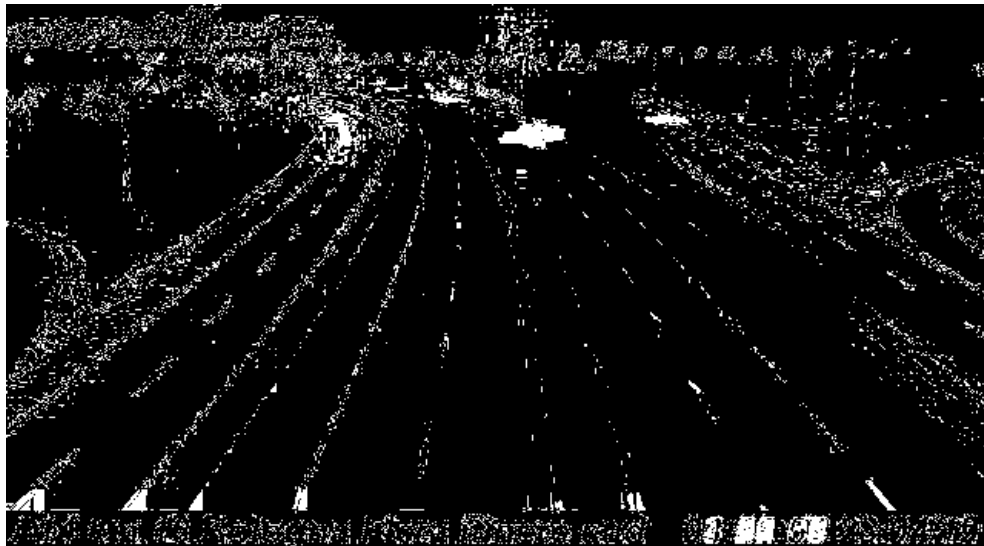
Original frame:



Background detected:



Error plotted with threshold of 10:



## BACKGROUND DETECTION NUMBER 17 WITH THRESHOLD OF 10

Background detected with accuracy of 26.0%

Original frame:



Background detected:



Error plotted with threshold of 10:



## BACKGROUND DETECTION NUMBER 18 WITH THRESHOLD OF 10

Background detected with accuracy of 55.39%

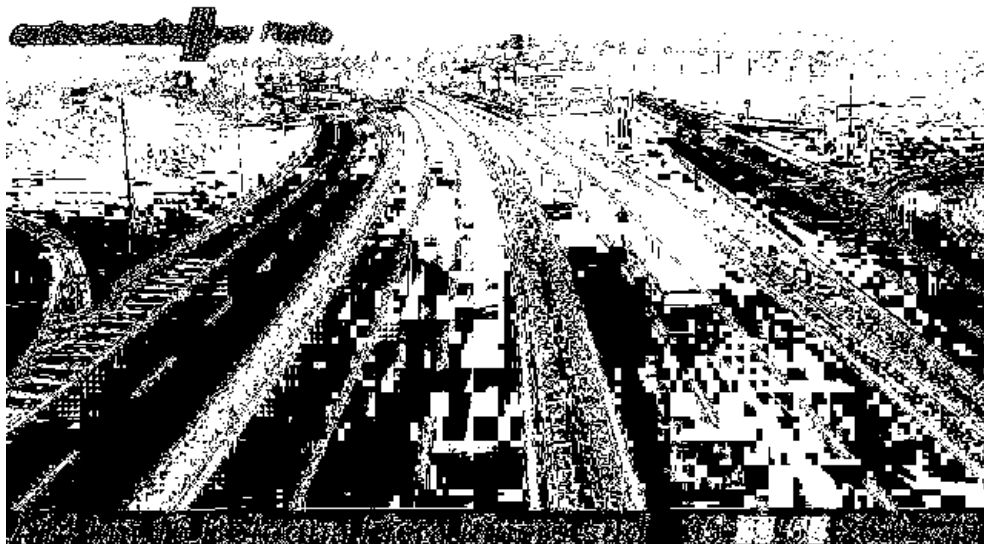
Original frame:



Background detected:



Error plotted with threshold of 10:





## BACKGROUND DETECTION NUMBER 19 WITH THRESHOLD OF 10

Background detected with accuracy of 68.06%

Original frame:



Background detected:



Error plotted with threshold of 10:



## BACKGROUND DETECTION NUMBER 20 WITH THRESHOLD OF 10

Background detected with accuracy of 82.68%

Original frame:



Background detected:



Error plotted with threshold of 10:



## BACKGROUND DETECTION NUMBER 21 WITH THRESHOLD OF 10

Background detected with accuracy of 70.98%

Original frame:



Background detected:



Error plotted with threshold of 10:



## BACKGROUND DETECTION NUMBER 22 WITH THRESHOLD OF 10

Background detected with accuracy of 78.75%

Original frame:



Background detected:



Error plotted with threshold of 10:



## BACKGROUND DETECTION NUMBER 23 WITH THRESHOLD OF 10

Background detected with accuracy of 73.85%

Original frame:



Background detected:



Error plotted with threshold of 10:

