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A study of detection and tracking techniques for metal objects

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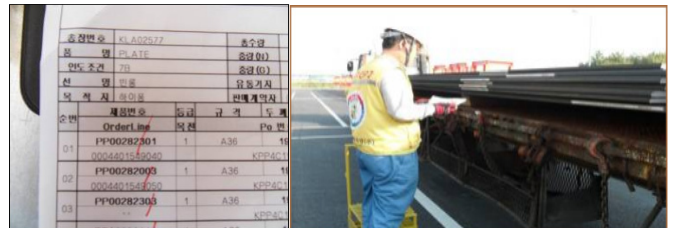Dept. of EE, Sunchon National University

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1.

CCTV

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CCTV

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(1)

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3.

(contour)

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avi

2.

OpenCV

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cvFindContours()   cvApproxPoly()

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cvThreshold()

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.   3   (BGR   )

. Contour   1

(2)

.   cvSmooth(img,
img CV_GAUSSIAN,3,3)

.   10   250MB

.   . BGR   .   10

cvCvtColor(.., ..,   100%

CV_BGR2GRAY)   .   1   .

.   .

. HSV (Hue, Saturation,   **4.**
Value)   120~150, 30~180,
40~110   . BGR   HSV   CCTV
cvCvtColor()   .   ,

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.   cvMoment()   .

.   x   , y   ,
0
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.   [1] Intel, "the opencv reference manual-opencv
. OpenCV   documentation",   [online]
docs.opencv.org/opencv2refman.pdf
[2] Ansuman Mahapatra, "Install opencv 2.4.6 using visual
.   studio   2012   in   widows   7",   [online]
http://4someonehelp.blogspot.kr/2013/04/install-opencv-245-
.   using-visual-studio.html

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