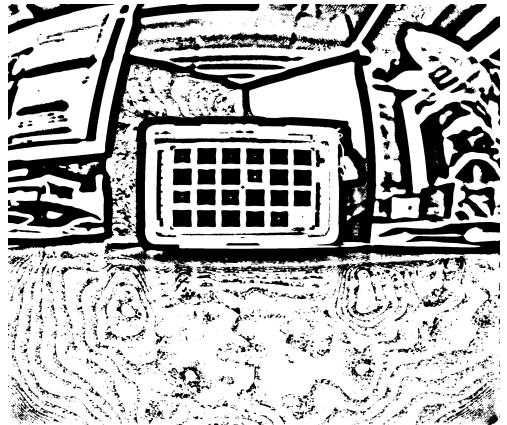


Color checker 가이드라인

- 어안렌즈 = ColorChecker 와 렌즈 사이 10cm 간격,
Aperture M1 (카메라 조리개 값),
minArea =0.4, maxArea = 80, (json 안에 있음)
kBlocksize = 17, kWeightedSub = 1
(ColorCalibration.cpp 539 줄)
- 일반렌즈 = ColorChecker 와 렌즈 사이 20cm 간격,
minArea =0.4, maxArea = 80, (json 안에 있음)
kBlocksize = 17, kWeightedSub = 1
(ColorCalibration.cpp 539 줄)
- bw 이미지가 정확히 안나온다면,
Adaptive thresholding (kBlocksize, k WeightedSub) 파라미터 변경
(뒷페이지 참조)
- bw 이미지가 잘 나왔는데 패치를 못 찾는다면,
Contour에서 필터링 된 것. min,max PatchArea 변경 (json 안에서 설정)

Adaptive thresholding() - kWeightedSub (낮을수록 흰색 영역 강화)

ColorCalibration.cpp > 540줄
0.5



2



3



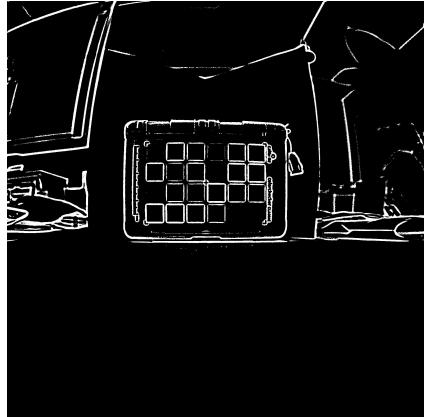
4



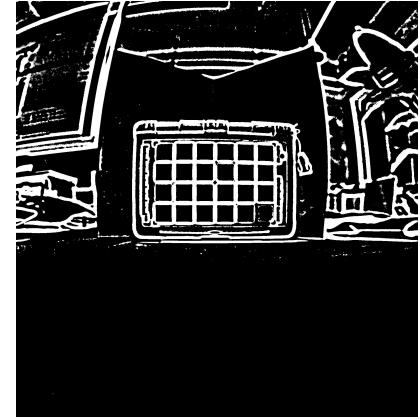
Adaptive thresholding() - kBlockSize (높을수록 흰색 영역 강화)

ColorCalibration.cpp > 539줄

19



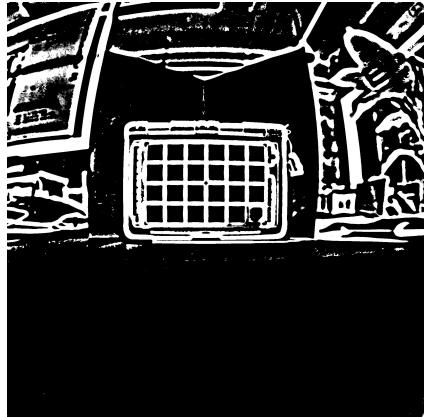
29



39



49



59



69



71



fillGaps() - kScaleElement (높을수록 흰색 영역 강화)

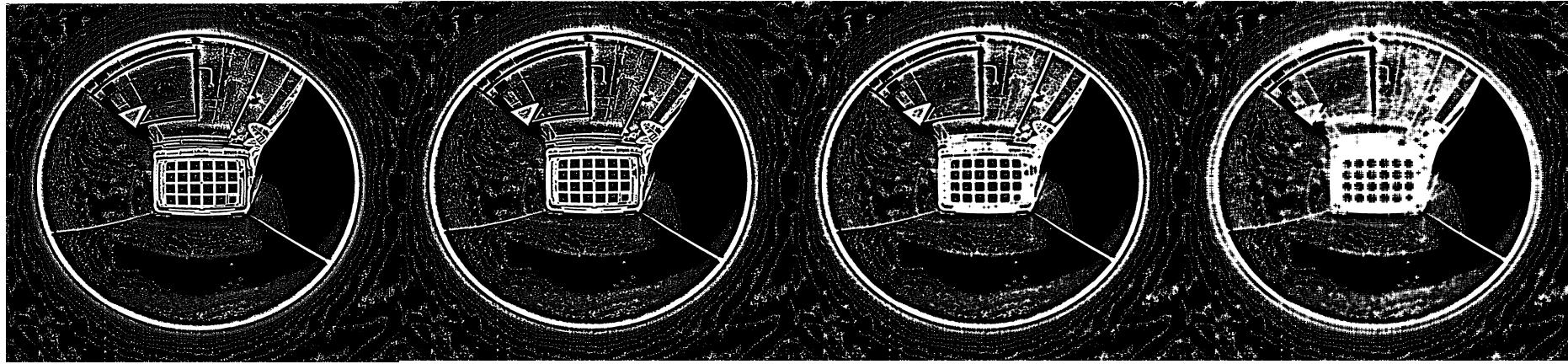
ColorCalibration.cpp > 561줄

5

10

20

30



removeSmallObjects() - kScaleSmallestObject (낮을수록 흰색 영역 강화)

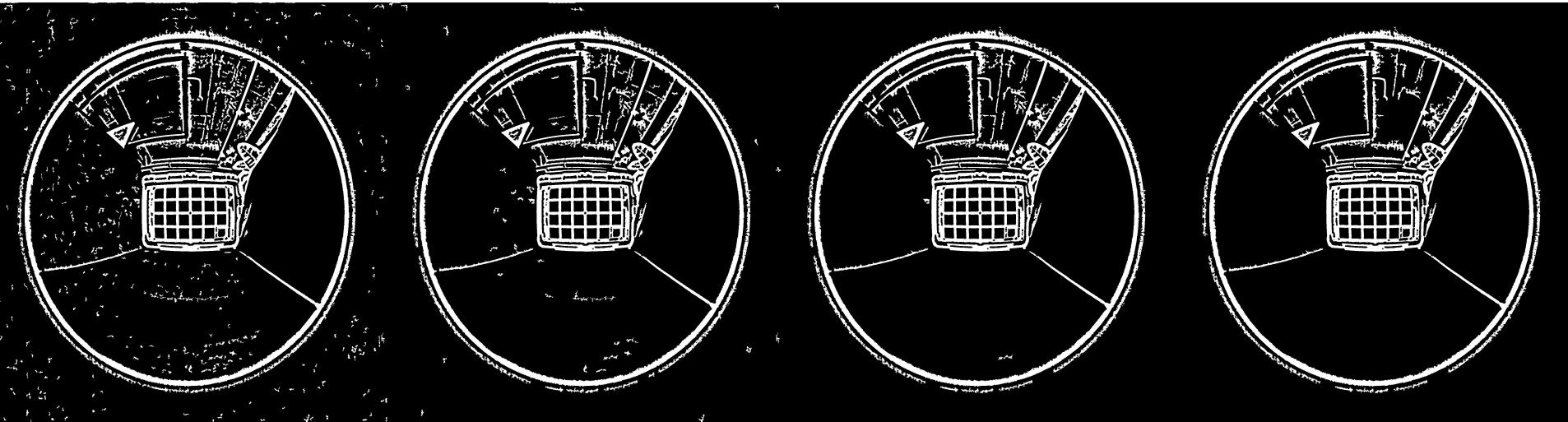
ColorCalibration.cpp > 569줄

0.1

0.3

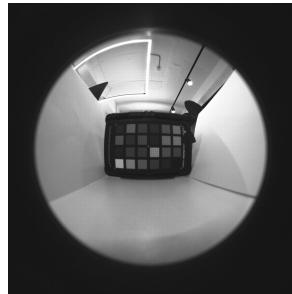
0.6

0.9

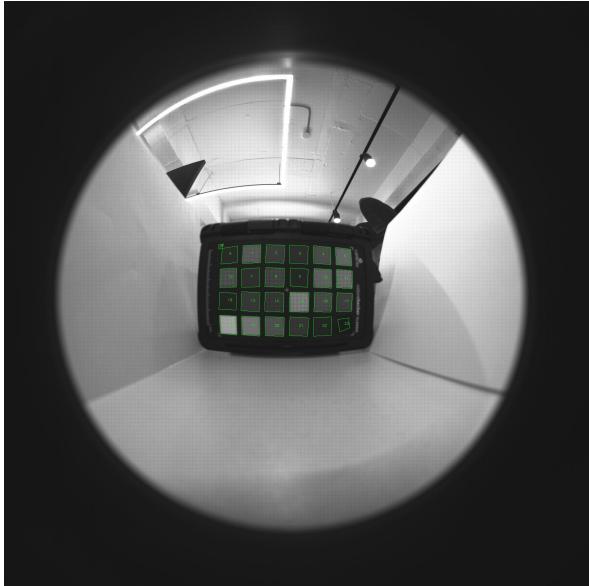


detectColorChart() - min,maxAreaChart (contours에서 최종 필터링하는 사이즈)

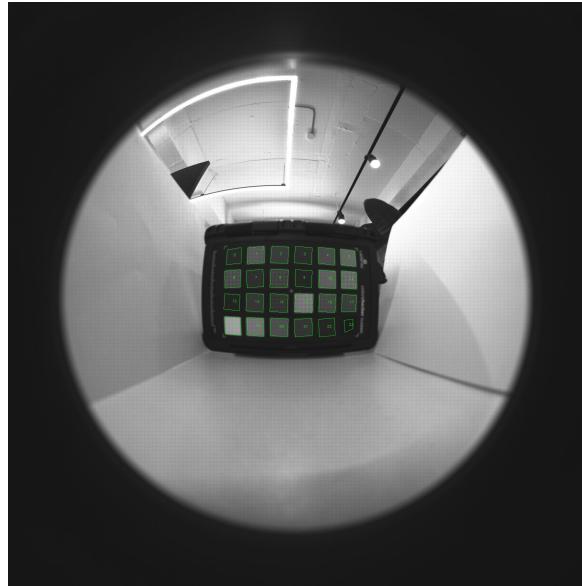
TestColorCalibration.cpp > 123줄 인자



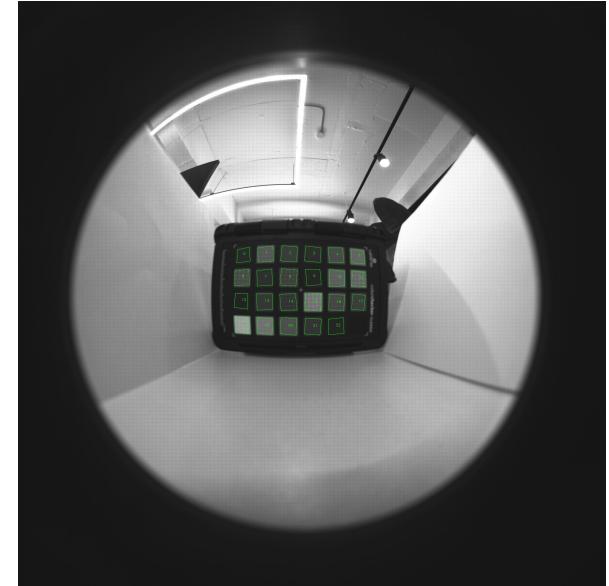
0.1 / 80



0.3 / 80



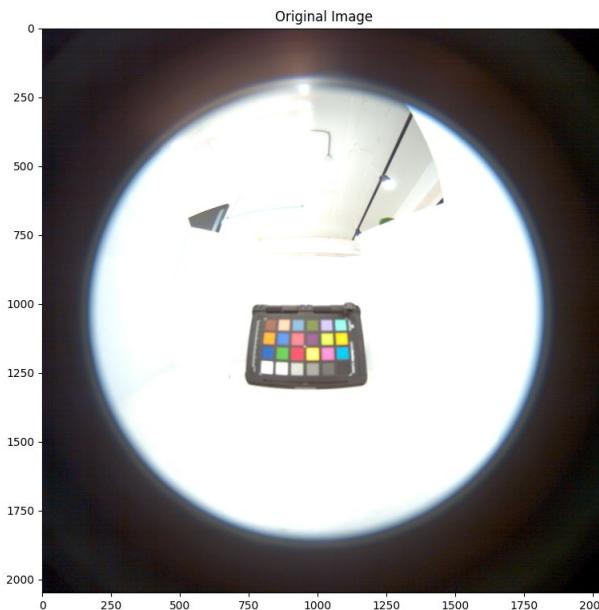
0.5 / 80



ML based 방법도 있음

https://github.com/collinswakholi/ML_ColorCorrection_tool

detection



CCM

