Important functions of the VC image processing library VCLIB

mean = mean value of an image variable	avg = moving average or unsharp masking	pyramid = pyramid filter for image variable	
contour8 = contour following / 8-	vc_corr0 = small kernel	arx = number of pixels >	
connected	correlation routine	threshold	
cjpeg = encode image variable to JPEG image file	rlc_inv = in-place inversion of chprint = output a string to a image variable		
djpeg = decode JPEG image file into image variable	rlc_feature = determine features, ellipsed = draw ellipse / image mem.		
and2 = AND two image variables	rlc_inv = in-place inversion of markerd = draw marker in video mem.		
or2 = OR two image variables	rlcmk = create RLC	line = draw line	
sobel = sobel operator	rlcout = output RLC	binarize = binarizing	
laplace = Laplace operator	rlcand = AND RLCs	look = look-up table	
mx = maximum operator	rlcor = OR RLCs	add2 = add two image variables	
mn = minimum operator	rlcxor = XOR RLCs	copy = copy image variable	
ff3 = 3×3 filter for image	erode = RLC erosion / square	markerd = draw marker in video	
variable	type	mem.	
ff5 = 5×5 filter for image	dilate = RLC dilation / square	variance = variance of an image	
variable	type	variable	
robert = Robert's cross operator	subsample = subsample image	histo = histogram	
projh = horizontal projection	projv = vertical projection	sgmt = label RLC	
focus = focal value of an image variable	variance = variance of an image variable	sub2 = subtract two image variables	
max2 = max. of two image variables	min2 = min. of two image variables		

Benchmarks:

Filter	Time [msec]	RLC	Time [msec]
		Detection of more than 60	
set	1.7	Blobs in 6 msec	
robert	2.2	rlcmk	1.5
ff3	16.6	rlcout	3.9
median3	33.5	erode	2.0
sobel	6.6	erode2	2.1
laplace	4.4	rlc_feature	1.0
pyramid mean	1.1	rlc_inv	0.2
rotate90	8.6	rlc_mf	0.3
rotate180	3.5	rlc_move	0.5
move_image	5.8	sgmt	3.6

(640x480, RLC with 10'000 blocks, VCSBC4018)

(No liability is assumed for possible errors!)

