camera model : mv-cl020-41gc

resolution : 2048 x 2

pixel size : 7um x 7um

sensor size : 14.336mm x 0.014mm

first, obj resolution

obj resolution = fov/pixel

= 270mm/2048

= 131um/pixel

then, set the Height FOV,

Height FOV = 170mm x 1000[um]/131um

= 1297

Image Format Control - Height (set the height)

then, line rate

speed(mm/s) = obj res x line rate(hz)

50 x 1000[um] = 131um x line rate

line rate = 381

Acquisition Control - Acquisition Line Rate (set the line rate)

then, setting encoder

encoder	= obj res x sensor line / pulse
	= 131um x 2 / 4[every 4 micron get one pulse]
	= 65.5
Acquisition control - Trigger Source - Frequency convertor	

Frequency convertor - predivider (set the encoder number)