WARNING!
The following configurations were specifically adopted to the hardware and software used in Digitarq project. The results won´t likely be the same if the capture is performed in other equipements.

1. Matrix Images Capture Configurations

P= profile

P1 – overhead documents (blueprints, maps): translucid white media
Size x = 1mm
Spatial resolution = 300 dpi
Color scheme = gray
Brightness= automatic
Contrast = automatic
Format = TIF
Bit depth = 8
Compression = 0

P2– overhead documents (blueprints, maps): translucid colour media
Size x = 1mm
Spatial resolution = 200 dpi
Color scheme = gray
Brightness = automatic
Contrast = automatic
Format = TIF
Bit depth = 8
Compression = 0

P3 – overhead documents (blueprints, maps): paper media
Size x = 1mm
Spatial resolution = 300 dpi
Color scheme =gray
Brightness = automatic
Contrast = automatic
Format = TIF
Bit depth = 8
Compression = 0

P4a – text/lineart: typed over white paper
Size x = 2mm
Spatial resolution = 300 dpi
Color scheme = b/w
Brightness = automatic
Contrast = automatic
Format = TIF
Bit depth = 1
compression = 0

P4b - text/lineart: typed over white paper: poor contrast
Size x = 2mm
Spatial resolution = 200 dpi
Color scheme = gray
Brightness = automatic
Contrast = automatic
Format = TIF
Bit depth = 8
compression = 0

P5 – Text: colour paper
Size x = 2mm
Spatial resolution = 300 dpi

Color scheme = gray
Brightness = automatic
Contrast = automatic
Format = TIF
Bit depth = 8
compression = 0

P6 – Text: Translucid media
Size x = 2mm
Spatial resolution = 200 dpi
Color scheme = gray
Brightness = automatic
Contrast = automatic
Format = TIF
Bit depth = 8
compression = 0

P7 – handwritten text over paper
Size x = 2mm
Spatial resolution = 300 dpi
Color scheme = gray
Brightness = automatic
Contrast = automatic
Format = TIF
Bit depth = 8
compression = 0

P8 – Graphic documents
Size x = 1,5 mm
Spatial resolution = 400 dpi
Color scheme = b/w
Brightness = automatic
Contrast = automatic
Format = TIF
Bit depth = 1
compression =0

P9 – Text: copies of bad quality (fax type)
Size x = 1,5 mm
Spatial resolution = 400 dpi
Color scheme = gray
Brightness = automatic
Contrast = automatic
Format = TIF
Bit depth = 8
compression =0

P10 - Photographs
Size x = 1,5 mm
Spatial resolution = 600 dpi
Color scheme = gray
Brightness = automatic
Contrast = automatic
Format = TIF
Bit depth = 8
compression =0

P11 – Microfilm
Spatial resolution = 300/400 dpi
Color scheme = b/w
Brightness = automatic
contrast = automatic
Formato = TIF
Bit depth = 1

compression = 0

P12 - Parchements
Spatial resolution = 300 dpi
Color scheme = cz
Brightness = 3/4
contrast = automatic
Format = TIF
Bit depth = 8
Compression = 0

2. Derivative Images Configurations

These images, intended to access only, are obtained from the matrix and are automatically extracted by the aplication GOD. The operator only indicates the profile used to capture the matrix.

In this process the image is
1. blured,
2. resized,
3. sharpenned,
4. and finally saved as JPEG with medium quality compression or PNG

Id	Configuration	profiles
c1	90 dpi, JPEG qi medium	p4b
		p5
		p6
		p7
		p12
c2	125 dpi, PNG	p4a
		p8
c3	1200 pixeis (largest side), JPEG qi medium	p1
		p2
		p3
c4	800 pixeis (largest side), PNG	p10
c5	125 dpi, JPEG qi medium	p9
c6	90 dpi, PNG	p11

c= configuration