



SCANNERS GUIDE

To decide on the ideal system, locate the type of originals and corresponding scanner options and then check the scanner specifications and uses.

TYPES OF ORIGINALS	SCANNER OPTIONS
COLOUR SLIDES – COLOUR NEGATIVES – BLACK AND WHITE (only without ICE)	
24x36 COMPLETE ROLLS	AUTOMATIC HR with or without ICE (*) MANUAL HR with or without ICE (*)
24x36 with frames or in strips of a minimum of 3 images 120: 4x6, 6x6, strips with minimum of 3; 6x7, 6x9, strips with a minimum of 2	SEMI-MANUAL HR with or without ICE (*) MANUAL HR with or without ICE (*) HELL Cylindrical
individual or specific non-consecutive images 24x36, 4x6, 6x6, 6x7, 6x9, 9x12, 10x12	MANUAL HR with or without ICE (*) HELL Cylindrical

* **THE DIGITAL CLEANING SYSTEM ICE** is an option, only for the HR-500 scanner for colour originals, which provides an absolute guarantee of quality and cannot be compared with any “cleaning” system except manual digital retouching. It is next to essential for subsequent photographic copying or printing.

TRANSPARENT AN FLEXIBLE IMAGES, positive and negative , from any non-standard format: x-rays, panoramic photos, plates measuring 13x18, 18x24, 20x25, etc.	Up to 45x50 HELL cylindrical Up to 25x45 TOPAZ flatbed
TRANSPARENT AN FLEXIBLE IMAGES, positive and negative , up to 25x45 cm glass plate type, up to 2 cm thick	TOPAZ flatbed Up to 10x12 cm IMAGER
OPAQUES Photographic copy or prints up to 30x45 cm and 2cm maximum thickness.	TOPAZ flatbed
OPAQUES AND THREE-DIMENSIONAL Up to 120x180 cm in surface area and 10 cm thick, using any material: textiles, wood, ceramic, paintings (including with frame and front glass). Depths of field up to 10 cm are possible and it is also possible to reproduce a relief of textures scanned. Special system for copying books and magazines up to 60x80 (open).	CRUSE Large format

BLACK AND WHITE

Images in black and white that require special adjustments of greyscales, contrasts reserves, etc. it is preferable to first make “manual” copies on black and white paper in accordance with the author’s criteria and later scan these sizes with a TOPAZ flatbed (recommended size between 24x30 and 30x45).

We guarantee excellent results with this process, which normally should not be used for colour originals.

Approximate EQUIVALENCIES in MB, according to the output size at 300 dpi

Output size	Pixel x Pixel	RGB	CMYK	Greyscales
10x15 at 300 dpi	1181x1772	6 Mb	8 Mb	2 Mb
A5 – 14.8x21 at 300 dpi	1748x2480	12 Mb	16,6 Mb	4 Mb
15x20 at 300 dpi	1772x2362	12 Mb	16 Mb	4 Mb
A4 – 21x29.7 at 300 dpi	2480x3508	25 Mb	33 Mb	8,5 Mb
20x30 at 300 dpi	2362x3543	24 Mb	32 Mb	8 Mb
20x30 at 300 dpi	2835x3543	30 Mb	38 Mb	10 Mb
20x40 at 300 dpi	3543x4724	48 Mb	64 Mb	16 Mb
A3 – 29.7x42 at 300 dpi	3508x4961	50 Mb	66 Mb	17 Mb
30x45 at 300 dpi	3543x5315	54 Mb	72 Mb	18 Mb
30x50 at 300 dpi	4724x5906	80 Mb	106,5 Mb	27 Mb
A2 – 42x59 at 300 dpi	4961x7016	100 Mb	133 Mb	33 Mb