

Table 1. Scanner Features

COMPANY	COLORTRAC	CONTEX SCANNING TECHNOLOGY	CONTEX SCANNING TECHNOLOGY	IDEAL.COM/CONTEX	OCÉ	WESTERN GRAPHTEC
Scanner	4260e	PREMIER TX 36	COUGAR TX 36	MAGNUM XL 54"	Océ TCS400	CS2000
Star rating	4.5 stars	★★★★★	★★★★★	★★★★★	★★★★★	4.5 stars
Monochrome/color	Monochrome/color	Monochrome	Monochrome/color	Monochrome/color	Monochrome/color	Monochrome and color
Phone	303.973.6722	877.226.6839	877.226.6839	800.764.3325	800.714.4427	800.854.8385
E-mail	info@colortrac.com	info@contex.com	info@contex.com	sales@ideal.com	info@oceusa.com	cp_sales@graphtecusa.com
Web site	www.colortrac.com	www.contex.com	www.contex.com	www.ideal.com	www.oceusa.com	www.graphtecusa.com
Price (with software)	\$18,500	\$9,900 Base; \$11,900 Plus	\$17,900 Base; \$19,900 Plus	\$27,900 Base; \$29,900 Plus	\$38,140 (with printer)	\$13,995
Stand	Included	\$890 (optional)	\$890 (optional)	\$890 (optional)	Included	Included
Warranty	Two years on-site	Two years (6 months on-site)	Two years (6 months on-site)	Two years (6 months on-site)	One year	One year
Scanner dimensions (wXh)	56" X 39"	52.9" X 7.3"	52.9" X 7.3"	66.1" X 7.3"	53" X 42"	47" X 40"
Scanner footprint (wXd)	56" X 20"	52.9" X 18.3"	52.9" X 18.3"	66.1" X 18.3"	53" X 20"	47" X 24"
Scan width	42"	36"	36"	54", scan length unlimited	40", 36" image width	39.4"
Warranty (months)	24 (on-site)	24, the first six months on-site	24, the first six months on-site	24, first six months on-site	12	12 months
Operating systems supported	Windows 2000/XP	Windows 98/98SE/ME/NT4/2000/XP with SCSI; Windows ME/2000/XP with FireWire; Power Macintosh	Windows 98/98SE/ME/NT4/2000/XP with SCSI; Windows ME/2000/XP with FireWire; Power Macintosh	Windows 98/98SE/ME/NT4/2000/XP with SCSI; Windows ME/2000/XP with FireWire; Power Macintosh	Océ controller, embedded Windows XP	Windows 95/98/ME/NT4/2000/XP
Operating system tested	Windows XP Professional	Windows XP Professional	Windows XP Professional	Windows XP Professional	Windows XP Professional	Windows XP Professional
Optical resolution	300dpi	400dpi	400dpi	508dpi	508dpi	600dpi
Interpolated resolution	1,800dpi	600dpi; 800dpi	800dpi; 2400dpi	800dpi Basic; 2,400dpi Plus	72-, 200-, 300-, 400-, and 600dpi	Main direction: 200-, 300-, 400-, 600dpi; subdirection: 200-, 300-, 400-, 600-, 800dpi
Accuracy	±0.1%	0.1% ± 1 pixel with ALE (accuracy lens enhancement)	0.1% ± 1 pixel with ALE	±0.1% ± 1 pixel with ALE	1:1 with manual scale from 10%–1000% in 0.1% fixed intervals	±0.1%
Thresholding methods	Interactive, automatic	Dual 2D adaptive enhancement, Dual 2D adaptive gray, ADL+error diffusion halftoning, 2D sharpening/softening, 2D blur filter, color feature extraction, 2D adaptive thresholding	Dual 2D adaptive enhancement, Dual 2D adaptive gray, ADL+error diffusion halftoning, 2D sharpening/softening, 2D blur filter, color feature extraction, 2D adaptive thresholding	Dual 2D adaptive enhancement, Dual 2D adaptive gray, ADL+error diffusion halftoning, 2D sharpening/softening, 2D blur filter, color feature extraction, 2D adaptive thresholding	Océ Image Logic automatic scan enhancement	Automatic threshold value setting by the digital signal processor
ICC (International Color Calibration)	Yes	sRGB and NTSC using ANSI IT8 calibration target	sRGB and NTSC using ANSI IT8 calibration target	sRGB and NTSC using ANSI IT8 calibration target	Automatic color calibration based on IT8.7-card	N/A
Formats supported	All common formats	More than 50 formats	More than 50 formats	More than 50 formats	TIFF, Cals, PDF	BMP, RLE, ESP, TIFF/G4/CCITT G3, CALS G3/G4, PCX, LINTERGRAPH G4, Sun Raster, JPEG
Grayscale/color levels	8-bit/24-bit	14-bit/N/A	14-bit/42-bit	256 grayscale/42-bit color with the best 24 bits sent to the computer	8 bits per pixel; 24 bits per pixel	Grayscale: 256 shades; Color: 8-bit, 24-bit
Despeckling	Yes	Yes	Yes	Yes	Océ Image Logic automatic scan enhancement	Yes
Deskewing	Yes	Yes	Yes	Yes	Océ Image Logic automatic scan enhancement	Yes
Hole filling	Yes	Yes	Yes	Yes	Océ Image Logic automatic scan enhancement	No
CADALYST Labs timed test						
Mode/dpi						
Monochrome	24-bit/450dpi threshold	400dpi threshold	24-bit/400dpi threshold	24-bit/400dpi threshold	24-bit/400dpi threshold	24-bit/400dpi threshold
Color	450dpi threshold	N/A	400dpi threshold	400dpi threshold	400dpi threshold	400dpi threshold
Time						
Monochrome	75 seconds	6 seconds	6 seconds	11 seconds	40 seconds	46 seconds
Color	155 seconds	N/A	15 seconds	29 seconds	41 seconds	130 seconds
Color depth	24-bit	42 bits; best 24 bits sent to computer	42 bits; best 24 bits sent to computer	42 bits; best 24 bits sent to computer	TIF: black and white, 1 bit per pixel, grayscale, 8 bits per pixel, RGB, 24 bits per pixel; other formats vary	24-bit
Maximum sheet width	43"	43"	43"	56"	40"	41.0"
Maximum scan width	24"	36"	36"	54"	36"	39.4"
Maximum document thickness	0.47"	0.6"	0.6"	0.6"	0.6"	1.5mm (including carrier sheet)
Company documented speed maximum resolution IPS (inches per second)						
Color	2.66ips at 24-bit color	N/A	1.5ips Base; 3ips 24-bit at 400 dpi Plus**	1.5ips Base, 3ips 24-bit at 400dpi Plus**	0.2ips at 600dpi; maximum speed of 8ips*	0.42ips at 600dpi*
Monochrome	6ips**	4ips Base; 8ips at 400dpi Plus**	3ips Base; 6ips at 400dpi Plus**	4ips Base; 8ips at 400dpi Plus**	N/A	1.26ips at 600dpi
Test scan speed						
Color	0.14ips 24-bit	N/A	1.45ips 24-bit	0.871ips 24-bit	0.53ips 24-bit	0.167ips 24-bit
Monochrome	0.29ips ***	3.63ips***	3.63ips***	1.98ips**	1.45ips ***	0.604ips***

* Speed rating based on A-size sheet: 8.5".

** Speed rating based on original of unknown size.

*** Speed rating based on original art: 21.75".

NOTE: IPS figures were derived by dividing 21.75"—the width of the original passing through the scanner—by seconds required to complete the actual scan.