WideTEK®12 SPECTRUM



Scanning Speed

The scanning speed depends on the resolution alone. WideTEK® scanners always scan in full color, even if bitonal image output is selected. This produces the best possible images. The following matrix shows the scan speed depending on the resolution.

WT12-SPECTRUM Time 313*470 mm (12*18 inch)

Scan Speed Color	**VIS & IR**	**12*18"**	**@ 1200 dpi**	**< 12 s**
Scan Speed Color	**VIS & IR**	**12*18"**	**@ 600 dpi**	**< 6 s**
Scan Speed Color	**VIS & IR**	**12*18"**	**@ 300 dpi**	**< 3 s**
Scan Speed Color	**UV**	**12*18"**	**@ 300 dpi**	**12 s**
Scan Speed Color 3D	**VIS**	**12*18"**	**@ 300 dpi**	**< 6 s**

Optical System

Maximum Document Size	313 x 470 mm (12.3 x 18.5 inch)
Scanner Resolution	1200 x 1200 dpi
Optical Resolution	1200 x 600 dpi
Pixel Dimension	9,3 x 9,3 µm
Sensortype	Tri-Color CCD camera, 22,500 pixels, encapsulated and dust-proof
Color Depth	48 bit color (internal resolution) 16 bit gray scale (internal resolution)
Scan Modes	24 bit color, bit color indexed, 8 bit grayscale, bitonal, enhanced halftone
Scan accuracy	Better than ± 0.1% over max. scan area
File Formats	Multipage PDF (PDF/A) und TIFF, JPEG, JPEG 2000, PNM, PNG, BMP, TIFF (Raw, G3, G4, LZW, JPEG), AutoCAD DWF, JBIG, DjVu, DICOM, PCX, Postscript, EPS, Raw data and more

Illumination System

Light Source	Two LED lamps with VIS (white), one lamp with UV (365nm), one lamp with IR (850nm), white backlight
Warm-up Time	None
Temperature Dependency	None
Lamp Lifetime	White 50,000 h (typ.), Backlight 50.000 h (typ), UV 20.000 h (typ.), IR 20.000 h (typ.). Lamps are covered by the Extended Warranty Option

Electrical Specifications

External Power Supply

Voltage	100 – 240 V AC
Frequency	47 – 63 Hz
Operating Temperature	5 to 40 °C (40 to 105 °F)
Relative Humidity	20 to 80% (non-condensing)
ECO Standard	CEC Level VI

Scanner

Voltage	24 V DC
Current	Max. 5 A

Power Consumption

$P_{(Off)}$	0.3W
$P_{(Sleep)}$	4.1W
$P_{(Ready)}$	28W
$P_{(Active)}$	55W

49% below ENERGY STAR requirements Image Access FAQ

Document Specifications

Maximum Document Size	313 x 470 mm (12.3 x 18.5 inch)
Maximum Document Weight	10 kg (22 lbs.)

Dimensions and Weight

Scanner Outer Dimensions (H x W x D)	255 x 440 x 795 mm (10 x 17.4 x 31.3 inch)
Weight of Scanner	30 kg (66 lbs.)
Dimension Transport Box (H x W x D)	360 x 520 x 900 mm (14.2 x 20.5 x 35.5 inch
Scanner Weight, Ready to Ship	42 kg (93 lbs.)

Ambient Conditions

Operating Temperature	5 to 40 °C (40 to 105 °F)
Storage Temperature	0 to 60 °C (32 to 140 °F)
Relative Humidity	20 to 80% (non-condensing)
Noise	< 42 dB(A) (Operating) < 32 dB(A) (Standby)

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