

# 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 <sub>(Off)</sub>	0.3W
P <sub>(Sleep)</sub>	4.1W
P <sub>(Ready)</sub>	28W
P <sub>(Active)</sub>	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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