

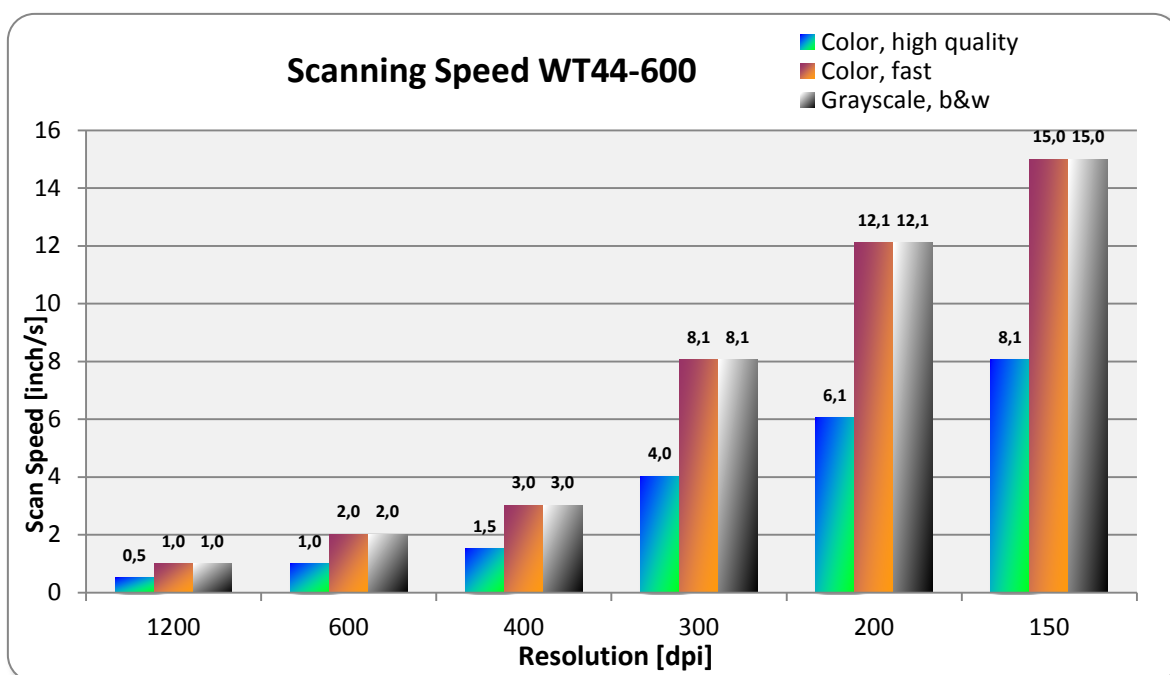
WideTEK 44-600



Scanning Speed

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

The following table shows the scan speed depending on the resolution.

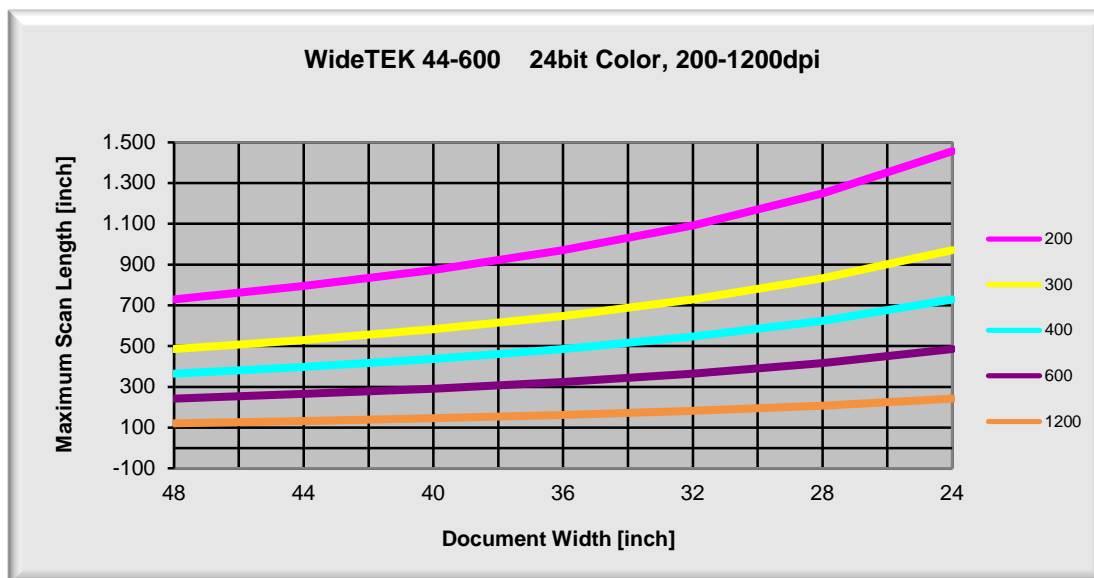


Relation between Documents Length and Resolution

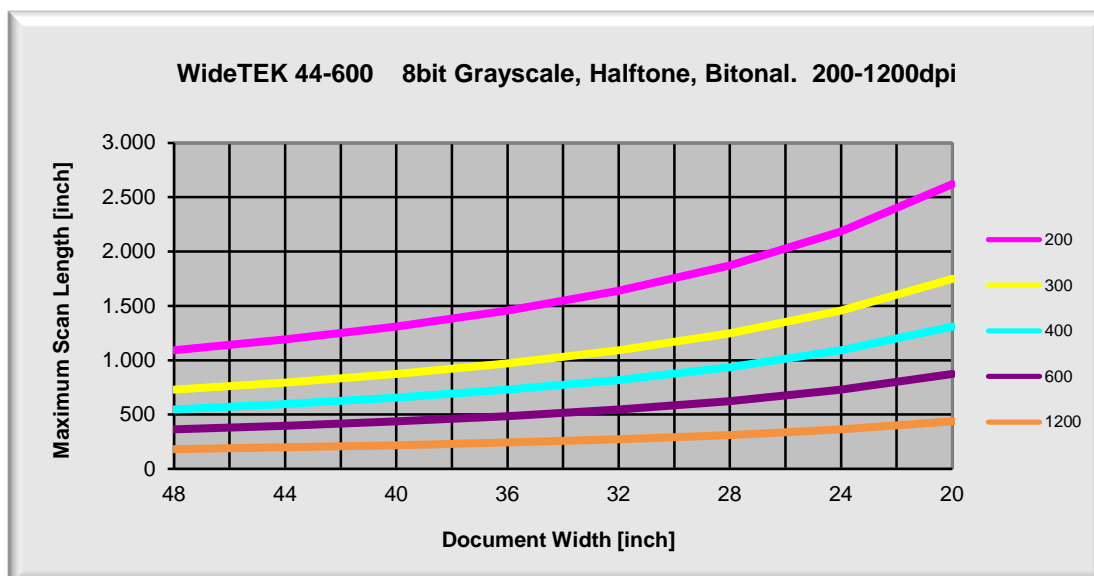
The maximum document length depends on three factors:

Resolution, color depths and document width. The following tables show their relationship.

24bit Color:



8 bit Grayscale, Halftone, and Bitonal:



Optical System

Maximum document width	50 inch / 1270 mm
Scan width	Max. 44 inch / 1118 mm
Scanner resolution	1200 x 1200 dpi (optionally 9600 x 9600 dpi interpolated)
Optical resolution	1200 x 600 dpi
Pixel dimension	9.3 x 9.3 μ m
Sensor type	4x Tri-Color CCD, encapsulated and dust-proof
	12 bit grayscale (internal resolution)
	36 bit color (internal resolution)
Sensor resolution	90,000 pixels (4 x 22,500)
Scan modes	24 bit Color, 8 bit indexed color
	8 bit grayscale, bitonal, enhanced halftone
File Formats	PDF, PDF/A, JPEG, PNM, TIFF uncompressed, TIFF G4 (CCITT), Multipage PDF, TIFF

Accuracy and Stitching

Stitching target	Permanently built-in
Stitching interval	One measurement per minute minimum
Warm up time	None.
Accuracy in scan direction	$\pm 0.08\%$ across 36 inch scanning width
Accuracy in transport direction	$\pm 0.08\%$ with new transport rollers

Illumination System

Light source	Two linear lamps with 204 white LEDs each, high quality optical diffusor integrated.
Warm-up time	None. Max. brightness immediately after switch-on.
Temperature dependency	None
UV / IR emission	None
Lamp life time	50,000 hours (typ.)

Electrical Specifications

External Power Supply

Voltage	100 – 240 V AC
Frequency	47 – 63 Hz
Inrush current	120 A max / 264 V AC
Efficiency	85 %
Operating temperature	5 to 40 °C / 40 to 105 °F
Operating humidity	20 ... 80 % RH, non-condensing
ECO standard	CEC level V

Scanner

Voltage	24 V DC
Current	Max. 5 A

Power Consumption

Sleep	≤ 0.5 W
Standby	4.8 W
Ready to scan	46 W
Scanning	86 W

Mechanical Dimensions / Weight

Scanner outer dimensions	228 x 1425 x 507 mm (H x W x D) 9 x 56.1 x 20 inch
Scanner outer dimensions (incl. floor stand)	1070 x 1425 x 507 mm (H x W x D) 42.1 x 56.1 x 20 inch
Weight of scanner	53 kg (117 lbs.)
Weight of floor stand / incl. paper output tray	19 kg (42 lbs.) / 21 kg (46,5 lbs.)

Wooden Transport Box:

Dimension of transport box	470 x 1600 x 800 mm (H x W x D) 18.5 x 63 x 31.5 inch
Total shipping weight	96.5 kg (212.5 lbs.)

Documents Specification

Document weight	Any. Straight paper path can handle the stiffest documents
Document thickness	2.5 mm / 0.1 inch maximum.

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 level	≤ 35 dB(A) (Operating) ≤ 25 dB(A) (Stand-by)

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