

## Redefining the standard for business scanning



The evolution of the market’s leading image scanners, the RICOH fi-8000 series delivers state-of-the-art technology designed to address today’s business challenges and drive sustainable value creation.

The fi-7160 and associated models in the fi-7000 series have set the benchmark in business scanning since 2013. Designed purely for the business market they were not designed with compromise in mind but designed for environments where the best real-time throughput is the objective whatever paper types, sizes and batch sizes it has to deal with.

But times move on and our engineers have taken the fi-7000 series and made it better. There are many improvements in the new design but the most important are listed below and the tables show which features are supported by each model in the range.

**Clear Image Capture** – our new image processing technology allows us to deliver CCD image quality from lower power CIS sensors. This reduces overall power consumption without any change in performance and getting the product ready for future energy standards.

**Improved Paper Feeding** – by implementing our new “automatic separation control” technology which adjusts the roller torque according to paper stack size we have been able to increase the hopper size from 80 to 100 sheets, and increase feed reliability at the same time. And an extra-wide hopper now accommodates A4 envelopes.

	fi-8170 / fi-8190	fi-7160 / fi-7180
Product Image		
Scanning Speed	70 / 90 ppm; 140 / 180 ipm	60 / 80 ppm; 120 / 160 ipm
ADF Capacity	100 sheets	80 sheets
Paper Protection	Sound Detection (iSOP) Image Monitoring	Sound Detection (iSOP), Lag Detection
Booklet Scanning	7 mm or less	X
Image Sensor Type	CIS with Clear Image Capture (to give same image quality as CCD)	CCD
Interface	USB 3.2 Wired LAN	USB 3.0
LCD Display	Colour	Black and White
Set-up Configurations	USB PaperStream NX Manager (centralised server) PaperStream IP Net (multiple PC's and scanners on same network)	USB only

**Increased speed** – the improved feeding mechanism has allowed us to increase the speed of all models by 10 ppm. So the fi-7160 becomes the fi-8170!



**Additional paper protection using Image Monitoring** - we introduced acoustic monitoring on the fi-7000 series and we have added image monitoring on the fi-8000 series. The scanner continually monitors the paper image, detects any skew or changes in paper size and acts accordingly.

**OverScan** – the 70 and 90 ppm models have an extra wide scanning area. So if the scanner detects a minor skew it will continue the scan and adjust the image without stopping. This can significantly boost productivity.

**Passport and booklet scanning** – the fi-8000 series supports manual feed mode which allows safe scanning of documents such as passports and family booklets up to 7mm thick. And the maximum paper thickness is up to 465g/m<sup>2</sup> from 412g/m<sup>2</sup>, minimum is down from 27 g/m<sup>2</sup> to 20 g/m<sup>2</sup>.




**Connectivity** – the fi-7000 series was connected via USB3.0. On the fi-8000 series we support USB3.2 but also have connectivity via secure wired LAN. LAN connectivity enables the use of PaperStream NX Manager our server based system that does not require PC's with every scanner, or PaperStream IP Net which allows multiple scanner and PC's to connect over the network.

**Stacker Support** – and alongside all the big changes we have added stacker support. A small adjustable appendage ensures neater stacking of documents as they leave the scanner!

	fi-8150	fi-7140
Product Image		
Scanning Speed	50 ppm / 100 ipm	40 ppm / 80 ipm
ADF Capacity	100 sheets	80 sheets
Paper Protection	Image Monitoring	Lag Detection
Booklet Scanning	7 mm or less (Carrier Sheet required)	X
Image Sensor Type	CIS with Clear Image Capture (to give same image quality as CCD)	CCD
Interface	USB 3.2 Wired LAN	USB 3.0
LCD Display	X	X
Set-up Configurations	USB PaperStream NX Manager (centralised server) PaperStream IP Net (multiple PC's and scanners on same network)	USB only

Model	fi-8190	fi-8170	fi-8150
Product Image			
Scanning Speeds (A4)	90 ppm / 180 ipm	70 ppm / 140 ipm	50 ppm / 100 ipm
Expected Daily Volume* <sup>1</sup>	13,000 sheets	10,000 sheets	8,000 sheets

Predecessor Model	Successor Model
fi-7180	fi-8190
fi-7160	fi-8170
fi-7140	fi-8150

Model	fi-8290	fi-8270	fi-8250
Product Image			
Scan Speeds (A4)	90 ppm / 180 ipm	70 ppm / 140 ipm	50 ppm / 100 ipm
Expected Daily Volume* <sup>1</sup>	13,000 sheets	10,000 sheets	8,000 sheets

Predecessor Model	Successor Model
fi-7280	fi-8290
fi-7260	fi-8270
fi-7240	fi-8250

\*1 Numbers are calculated using scanning speeds and typical hours of scanner use, and are not meant to guarantee daily volume or unit durability.  
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