



Imaging across networks

iR110

HIGH IMAGE QUALITY
PRODUCTION SYSTEM

600 dpi LED Image Writer

•

Grey Resolution Enhancement

•

Small Particle Developer

•

System Control Subsystem

Setting new standards in imaging performance

A combination of highly advanced digital technologies enables the iR110 to achieve superior image quality that is comparable to offset printing.

The result is uniform consistency and accuracy unattainable in conventional imaging systems - with enhanced edge definition and small dot definition producing smooth solids and crisp text.

Automatic adjustment at 110 ppm

The 600 dpi LED Image Writer offers a printing rate of 110 ppm. A built-in flash programmable memory contains correction factors for each of the 8144 LED emitters. Thus light output is tightly controlled to maximize image quality during operation, with page-to-page and job-to-job consistency.

Enhancement at 100% productivity

Grey Resolution Enhancement Technology (GRET) utilizes a patented algorithm to analyse image content in real time, allowing small grey pixels to be added to both line and text. Producing variable dot densities, which create far smoother edges and finer details.

Accurate text and image output

Small Particle Developer (SPD) ensures smooth solids, halftones and crisp fine lines by using a high speed rotating magnetic core. As the developer particles are 35 microns in diameter, this results in an extremely soft toner brush - as well as higher toner yield.

Continuous quality checking

A Process Control Subsystem constantly monitors print quality via the print engine's LCU (Logic and Control Unit) computer. Charge levels on the photoconductor image loop are checked every other print - and a Control Patch is printed every 200 prints to verify that the density level is correct.





iR110 Image Handling Specifications

System Controller

Workstation: SUN Ultra 10
 440 MHz CPU
 256 Mbytes DRAM
 9.1 Gigabyte Hard Disk
 10/20 Gigabyte Tape Drive
 32x CD-ROM
 3.5 inch, 1.44 Mb Diskette Drive
 10/100 Ethernet Interface
 16 Port Ethernet Hub
 MIP Interface Board (Ethernet)
 Modem (Optional)

Marking Image Path

(Electronic Image Buffer) RAM 512 Mbytes
Page Capacity: up to 20,000 text pages
Dimensions: H 66cm (26"); D 51cm (20");
 L 46cm (18")
AC Power: 100-120 VAC / 200-240 VAC,
 60/50Hz
Interface: Workstation/Marking Engine
 Interface (IDB)

Print Engine

Operator Control Interface

17-inch (43cm), color, 1024 x 768
 pixel touch-sensitive display
 Keyboard
 Mouse

Marking Engine

Dimensions: H 163cm (64"), D 119cm (47"),
 L 170cm (65")
Weight: 680.4kg (1500 lbs)
AC Power: 200-240 VAC, 5 conductors,
 14 AWG, 380/415 AC, 16 amps,
 50Hz

Operating Environment

Temperature: 17°C (64°F) to 30°C (86°F)

Humidity: 15% to 85%

Resolution: 600 x 600dpi

Print Rate: 110 pages per minute A4
 (8.5" x 11"/8.5" x 14")
 55 pages per minute (A4 duplex)
 55 pages per minute
 A3 (11" x 17")

Paper Handling: 8.0" x 10.0", 8.5" x 11", A4,
 9" x 11", Tab, 8.5" x 14",
 11" x 17", A3
 60g - 200g/m² (16 - 110 lb index)
 Short or Long Grain
 All may be duplexed (except Tab)
 Trayless duplexing

Imaging: Electrophotographic process
 LED light source
 11.5 micron toner
 Heat and pressure fusing

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iR110

RELIABLE NETWORK PRODUCTION SYSTEM

User-friendly paper path

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Seamless paper clearance

•
Same speed duplexing

•
Web-browser-base interface

Enhanced reliability and ease of operation

A crucial cornerstone of the Canon iR110 is maximum reliability combined with minimum operator intervention. Designed to deliver optimum uptime for continuous printing, it features user-friendly paper feed technology, easy paper path access, trayless duplexing and a web-browser-base interface, to keep productivity flowing.

Short, straight paper path

An important design feature of the iR110 is a short, straight paper path. In combination with smooth paper feeding and trayless duplexing, it significantly reduces the chance of any paper jams. Specially designed software and hardware allow extra easy paper clearance, with the software sensing clearance and automatically resuming the job just prior to stoppage, delivering a completed document.

Same speed duplexing

Reliable trayless, race-track duplexing keeps the paper flow constantly moving, eliminating duplex tray misfeeds and waste. The paper path, with a sophisticated software interface, ensures smooth output at the same speed as simplex printing - delivering first-in, first-out sets. An integrated decurler maintains paper flatness after the first pass.

Innovative web-based browser

The web-browser base operator control interface simplifies document printing, system control and job management. Interface updates can be handled at one central location - with the interface working seamlessly with all client operating systems, retaining the same look and feel. The iR110 also has a touch screen monitor, allowing a key operator to control and prioritise jobs.





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