



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/m<sup>2</sup> (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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# Canon

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# iR110

## RELIABLE NETWORK PRODUCTION SYSTEM

User-friendly paper path

•  
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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