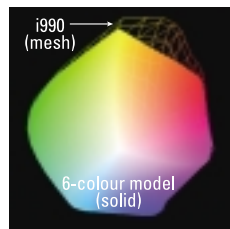# Canon

i990
BUBBLE JET PRINTER

7-colour ink colour reproduction that surpasses the standards used in conventional photographs. The image quality has three-dimensional feel and transparency worthy of a professional photographer.
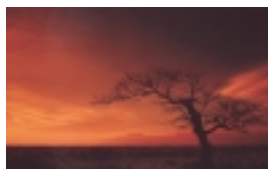

Number of Ink Colours	Ink Droplets Size	Resolution (Max.)	A4 (Printing Area: 8" x 10") Using Photo Paper Plus Glossy
7-colour ink (ChromaPLUS)	**2** pl	**4,800** x 2,400 dpi*	Approx. **37** sec.

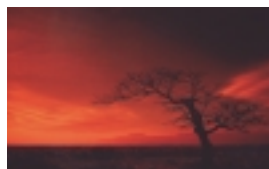Cool Dynamic

ChromaPLUS
(6-Colour Ink + Red ink)

The i990 features a total of 7 ink colours with the addition of high-luminosity, high-saturation red ink to the 6 colours. This increases saturation in the red area by approx. 60% over 6-colour ink models. This ChromaPLUS 7-colour photo technology is combined with the Advanced "Canon Digital Photo Colour" image processing technology, which provides increased contrast and saturation, to achieve colour reproduction comparable with positive film. It also produces photo prints with an outstanding three-dimensional feel and transparency.
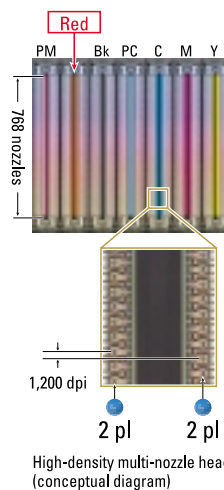

i990 (mesh)

6-colour model (solid)

Colour gamut comparison chart

6-colour ink ▶ i990 (7-colour ink)

Total 5,376 nozzles
(768 nozzles x 7 colours)

Red

PM   Bk PC   C   M   Y

768 nozzles

1,200 dpi

2 pl   2 pl

High-density multi-nozzle head
(conceptual diagram)

2 pl ink droplets and gradation superior reproduction

The i990 features a print head that uses only 2 pl ink droplets for all print modes regardless of media type or print settings. Moreover, it is able to control dot placement down to micron levels, eliminating graininess in all areas. Image processing precision has been further increased to ensure smooth gradations with no steps and without losing delicate shading.

4,800 x 2,400 dpi*

The i990 is capable of 4,800 x 2,400 dpi* printing with resolution doubled in the vertical direction. This improves the uniformity of image intensity. Accurate ink droplet placement also ensures fine printing without blurring even in minute images.
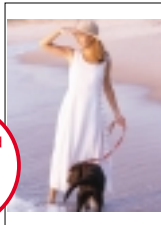
* Maximum resolution of 4,800 x 1,200 dpi used at the bottom edge of the page

Arc Design

Arc Panel

A4 (8" x 10" image size) ultra-photo image quality: Approx. 37 seconds

The new head incorporated in the i990 features a total of 5,376 nozzles (768 x 7 colours), which is approx. 75% more than previous models. A4 photo prints take approx. 37 seconds. This time applies to printing on the Photo Paper Plus Glossy using only 2 pl ink droplets. The i990 combines ultimate photo image quality with high speed to a degree unmatched by any competing printers.
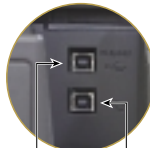
Printing Speed Approx. **37 sec.**

Camera Direct

Supports the new "PictBridge" industry standard for digital cameras and printers, as well as Canon's "Bubble Jet Direct." Photos taken using digital cameras supporting either system can be printed from the i990 with no need for a PC.

PictBridge

BUBBLE JET DIRECT

USB 2.0 Hi-Speed interface

The built-in USB 2.0 Hi-Speed interface supports rapid data transfer from your computer to the printer for a stress-free printing environment. Use another conventional USB interface for connection to two computers at once.

USB 2.0 Hi-Speed   USB

Highly cost effective

The individual ink tank system and ink level detection system keep operating costs low.

Flex Media Handling

The i990 supports a wide range of media feed configurations and printing methods to save time and trouble, making it more convenient.

Photo Paper Tray
Up to 20 sheets of 4" x 6" photo paper can be loaded.
- Can be used with plain paper and photo paper (4" x 6") simultaneously

Auto Duplex Printing Unit (Optional)
For fast, automatic duplex printing in a compact unit. Also supports feeding from the Paper Feed Cassette.

Auto Sheet Feeder
Plain paper (A4/LTR)
Photo Paper Tray
Photo paper (4" x 6")

Auto Duplex Printing Unit

Paper Feed Cassette (Optional)
The cassette holds up to 250 sheets of plain paper. Generous loading capacity for high-volume printing — up to 400 sheets in total when plain paper is loaded into the auto sheet feeder. Load photo paper into the auto sheet feeder to free yourself from switching between loading photo and plain paper.

Auto Sheet Feeder

Paper Feed Cassette
Plain paper

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i990 SPECIFICATIONS

Printing Method	Bubble Jet ink on-demand Paper Handling Automatic feed
Paper Type*1 / Sheet Feeder Capacity (sheet)	**Auto Sheet Feeder** PR-101 (A4) = 10, PR-101 (4" x 6") = 20, PC-101S (4" x 6") = 20, PP-101 (A4) = 10, PP-101 (4" x 6") = 20, SG-101 (A4) = 10, SG-101 (4" x 6") = 20, GP-301N (A4) = 10, Plain Paper (when 75 g/m²) = Max. 150 (13 mm), HR-101N = 80, CF-102 = 30, TR-301 = 1, Envelopes (European DL or U.S.No.10) = 10 max.
Paper Size	A4, A5, B5, Letter, Legal, European DL, U.S. No.10, 4" x 6"
Borderless Printing Size	A4, 4" x 6"
Paper Weight	64 g to 105 g / m² (supported Photo Paper Plus Glossy up to approx. 270 g / m²)
Printing Speed *2	Monochrome (Approx.) 16 ppm (Text pattern) Colour (Approx.) 12 ppm
Resolution	4,800 x 2,400 dpi *3 max.
Printable Area	Top Margin: 3 mm / Bottom Margin: 5 mm / Horizontal: Max. 203.2 mm [Borderless photo printing] Top, Bottom Margin: 0 mm / Horizontal: Max. 216 mm [Auto duplex printing] Top Margin: 5 mm / Bottom Margin: 7 mm / Horizontal: Max. 203.2 mm
Interface	USB 2.0 Hi-Speed / USB / Direct Print Port
Ink Tank	Ink tank BCI-6 Black ink tank / Cyan ink tank / Magenta ink tank / Yellow ink tank / Bk/C/M/Y/PC/PM/R Photo Cyan ink tank / Photo Magenta ink tank / Red ink tank
Ink Capacity (Approx. figures)	Bk: 740 pages *4, Bk: 1,100 / C: 1,100 / M: 790 / Y: 540 / PC: 380 / PM: 280 / R: 2,300 pages *5
Acoustic Noise Level	Approx. 37 dB(A) in the best quality mode / Approx. 34 dB(A) in the Quiet Mode
Durability (Pages)	10,000 pages
Power Source	220 – 240V 50/60Hz
Power Consumption	[Standby] AC Approx. 2 W / [Printing] AC Approx. 26 W
Dimensions	455 mm (W) x 306 mm (D) x 183 mm (H)
Weight	Approx. 6.2 kg

*1 ● PR-101 = Photo Paper Pro, ● PR-101 (4" x 6")= Photo Paper Pro (Actual 4" x 6"), ● PC-101S = Photo Paper Pro (Perforated 4" x 6"), ● PP-101 = Photo Paper Plus Glossy, ● SG-101 = Photo Paper Plus Semi-Gloss, ● HR-101N = High Resolution Paper, CF-102 = Transparencies, TR-301 = T-Shirt Transfers
● Paper types compatible with borderless printing
In principle, borderless printing on plain paper is not recommended. It is added to the list only to refer for test printing.
*2 Print speed may vary with the content of the document and the processing speed of the host computer.
*3 Maximum resolution of 4,800 x 1,200 dpi used at the bottom edge of the page
*4 1,500 characters per page, normal text, at standard and plain paper mode with Microsoft® Windows® XP printer driver.
*5 Based on printing the ISO/JIS-SCID N5 pattern at standard and plain paper mode with Windows XP printer driver.
Print capacity specifications are based on manufacturer's test conditions. Actual number of pages may vary depending on usage conditions. Colour ink consumption may occur even when black-and-white or grayscale printing is specified. Also, ink is consumed in the head cleaning and refreshing processes, which are necessary to maintain the printer's capabilities.
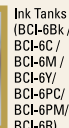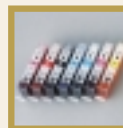
Printer Driver Systems Requirements

For Windows	● Use a computer equipped on which Windows XP, Windows 2000, Windows Me, or Windows 98 can operate. ● USB*1 interface ● USB 2.0 Hi-Speed*2 interface ● CD-ROM Drive ● Available hard-disk space for printer driver installation

Windows XP, 2000	65 MB	Windows Me, 98	30 MB

*1 USB operation can only be guaranteed on a PC with pre-installed Windows XP, 2000, Me, or Windows 98. (This includes Windows XP, 2000, or Windows Me upgraded from pre-installed Windows 98 or later).
*2 USB 2.0 Hi-Speed operation can only be guaranteed when both a PC and a USB cable are USB 2.0 Hi-Speed standard compliant and Microsoft standard USB 2.0 driver is used.

For Macintosh	● Use a Macintosh series computer equipped with USB interface on which Mac OS 8.6 – 9.x or Mac OS X v10.2.1 or later can operate. ● Available hard-disk space for printer driver installation

Mac OS 8.6 – 9.x	30 MB	Mac OS X v10.2.1 or later	100 MB

Camera Direct

PictBridge

Cameras	"PictBridge" compatible digital cameras and digital video camcorders
Paper Size	4" x 6" *, 5" x 7", A4 or LTR * Default setting
Paper Type	PHOTO *1 (PP-101)*, FAST PHOTO *1 (PR-101) * Default setting
Image Optimise	OFF, ON (Exif Print)*, Vivid**, Photo Noise Reduction**, Vivid & Photo Noise Reduction** * Default setting ** Specified Canon Digital Camera only
Layout	1-up bordered, 1-up borderless*, Index Print * Default setting
Date Print	OFF*, ON * Default setting	Print Quality	Standard
Trimming	Supported	DPOF	Not supported *2
Print Speed*3	4" x 6" borderless: approx. 2 min. 08 sec. / A4 borderless: approx. 5 min. 06 sec. (PP-101)

Bubble Jet Direct

Cameras	Canon "BUBBLE JET DIRECT" compatible digital cameras and digital video camcorders
Compatible Paper	Card#1=PR-101 4" x 6", Card#2=PP-101 4" x 6", Card#3=PP-101 5" x 7" LTR=PR-101 LTR / PP-101 LTR, A4=PR-101 A4 / PP-101 A4
Print Quality	Standard Effect Exif Print Print Style*4 1-up borderless / 1-up bordered Trimming*4 Supported
DPOF *4	Supported Index print, No. of copies, Select images, Designated text print (selectable 1 feature from date print/file number print/comment print)
Print Speed*3	4" x 6" borderless: approx. 2 min. 15 sec. / A4 borderless: approx. 5 min. 12 sec. (PP-101)

*1 Applicable expressions only for Canon Digital Cameras and Digital Camcorders *2 Functional when a camera can send each data according to DPOF setting. *3 Image; normal shooting settings with 3 million pixels camera. Time from pressing the print button to the end of print delivery. Print speed depends on the connected camera or video. *4 Function depends on the connected camera or video.

Ink Tanks (BCI-6Bk / BCI-6C / BCI-6M / BCI-6Y/ BCI-6PC/ BCI-6PM/ BCI-6R)

Auto Duplex Printing Unit DPU-10 (Optional)

Paper Feed Cassette PFC-10 (Optional)

Canon