EPSON
EXCEED YOUR VISION

Data Sheet
Inkjet Head I3200(8)-A1HD

PRECISIONCORE

1. PrecisionCore Technology

a. MEMS manufacturing and thin film piezo element can realize high precision and high density. Contributes to compact, high speed, high quality, and high image quality.

b. Precision made of Epson unique MEMS nozzles and an ink flow path ensure the perfectly round ink droplets are placed accurately and consistently.

2. Support for grey scale

Epson's unique Variable Sized Droplet Technology (VSDT) delivers smooth gradation by freely control to eject the droplet volume.

3. High resolution

With up to 1200 nozzles per inch (when using two colours), the I3200(8)-A1HD has a higher nozzle resolution than the existing I3200(4)-A1, enabling it to deliver high-definition images in a compact size without sacrificing the characteristic usability of the I series.

4. 8 ink supply channel

With up to 8 rows of ink supply channels, more free colours configuration is possible. By arranging the same colours in the vicinity, the accuracy of placement is improved and more high-definition image quality is realized.

5. High durability

PrecisionCore print head has proven high durability and extended service life by Epson's industrial printers.
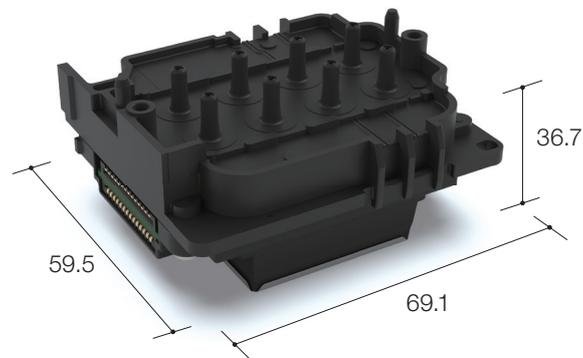
6. Single Pass

With these features, single-pass printing for applications such as packaging / commercial printing / transactions, which require high speed and high accuracy, can be realized more easily.

■ Product Specifications

Product name	I3200(8)-A1HD
Ink type	Aqueous
Type	PrecisionCore MicroTFP printhead
Width x Depth x Height	69.1 x 59.5 x 36.7 mm
Weight	78 g
Number of nozzle	3200
Nozzle pitch / nozzle row	1/300 inch
Nozzle rows	8 rows
Nozzle Resolution	300npi/row, 600npi/2 rows, 1200npi/4rows
Max. number of colour inks	8 colours
Effective print width	33.8 mm (1.33 inches)
Droplet ejection performance	Binary	6 pl at 43.2 kHz
	4 levels grey scale	3.8, 6.1, 9.4 pl at 21.6 kHz
Viscosity range	3-4 mPa·s
Ink recirculation	Not available
Internal heater	Not available

■ Product size (mm)

36.7

59.5

69.1

■ External dimensions (mm)

69.1

59.5

36.7

8.13   8.13

8.13   1.02