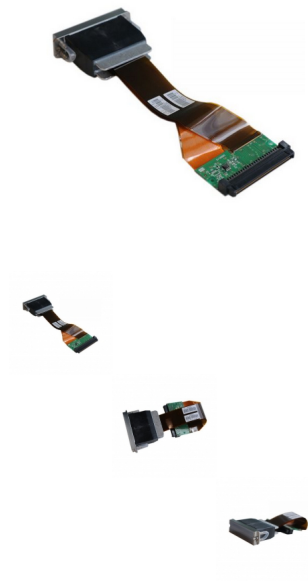


Ricoh Gen5 / 7PL-35PL Printhead (Two Color, Short Cable)



Rating: 4.0

Price:

Variant price modifier:

Price with discount:

Salesprice with discount:

USD 955.00

Discount:



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Manufacturer: [Ricoh](#)

Description

Ricoh Gen5 / 7PL-35PL Printhead, 24.8cm Long with The Head, 14cm Long for The Cable (Two Color, Short Cable)

To be used with: Handtop, Docan Flatbed UV Printers

Remarks: Original

The Total Length of this printhead is 248mm including cables. (Manual measurement, there may be 1cm error of physical)

GEN-5 Printhead Series Preliminary Specification

DESIGN FEATURES

- 1,280 channels
- Two color and four color support
 - Single color: 600dpi
 - Two color: 300dpi
 - Four color: 150dpi
- 8 level grey scale capability



SPECIFICATION

PHYSICAL:	
Size	89(W) x 25(D) x 69(H) mm (excluding cables & connectors)
Head materials	SST, Nickel alloy & Epoxy adhesive (direct contact with ink)
Compatible jetting fluids	Compatible with water, solvent, oil, UV curable inks
Nozzle plate surface	Coated SST
Number of nozzles	4 x 320 channels
Nozzle spacing	
A: Within a single row	
B: Within a color	
C: Single pass	
D: Row to row distance	
E: Color to color	
Ink inlet port	2 x dual ports
Piezo type	033 stacked PZT
Drop ejection mode	Piston pusher with metallic diaphragm plate
Integrated electronics	Low-voltage serial to high-voltage parallel converter; 3-bit shift registers, transmission gate outputs
Temperature control	Integrated heater and thermistor
Viscosity	11 cP (at operating temp.)
Surface tension	32 dyne/cm
Native drop volume	7 pico-liter
Drop volume range / variation	7- 35 pico-liter with grey-scale / $\pm 10\%$
Drop velocity nominal / variation	7 m/sec / $\pm 10\%$
Crosstalk	10% or less with all channels firing
Jet straightness 1 sigma	< 3.5 mill-radian from nozzle centerline
Native drop operating frequency	60kHz (if higher burst possible under ideal condition)
Life	100 billion actuation's per nozzle