

*Compact Tabletop High-Speed
Laser Marking Apparatus for Passports
Optimal for passport issuance at embassies*



World's Smallest
and Lightest

Simple Operation

Eco-friendly



- 01 Equipped High Speed Laser Engine (MOPA Method Fiber Laser 20W)**
Adopted 20W MOPA laser achieves high speed marking.
- 02 Equipped Original Laser Control PCB**
IDLGMarkCS the simple application specialized in card marking and SDK provision.
- 03 Great Deal**
Laser optics, mechanics, and electronics are all reviewed to lower price.
- 04 Smaller Size by Simple Mechanical Design**
Simple mechanism with card tray system.
- 05 High Image Quality**
Our original software achieves photo quality (dot gradation).
- 06 Energy Saving / Eco-friendly**
120W or less by energy saving design. Compact and lightweight to reduce transportation impact.
- 07 Correspondence Various Types of Cards**
Correspondence booklet type passports and card sizes of ID-1 and ID-3. (ISO/IEC7810)
- 08 XY Offset Registration**
Adopted automatic alignment function by a built-in camera. OCR reading function.
- 09 Options**
Contactless IC R/W is able to read/write to/from IC chips.
MLI or CLI support available.

IDL-K10P

Items	Specifications
Marking Method	Direct marking on cards by laser beam
Laser Type	Fiber laser 20W (MOPA)
Laser Wavelength	1064nm
Laser Control PCB	IDL_X (our original) SDK provided
Cooling System	Air Cooling
Card Material	Plastic card (PVC, PET-G, PC)
Card Sizes	ID-1, ID-3, booklet passport
Marking Resolution	600dpi or higher
Marking Time	26 seconds (our original ID-3) *1
Functions	Micro characters, two-dimensinal cods such as QR code, etc.
Operating Environment	Temperature 15°C-30°C Humidity 20%-80% (Required no condensation)
Expendables	Applicable cards only (no consumables such as ink ribbons)
Dimentions	W=210mm D=416mm H=365mm
Weight	16kg(unit weight) 20kg(packing weight)
Interface	USB2.0 or (LAN *2)
Power Supply	AC adapter AC 100V to 240V 50/60Hz PSE Marked
Safety	CE marking / DEMKO *3
Laser Safety	Class 1 (No laser safety manager required)

The marking software is IDLG Mark CS.
Please contact us for SDK etc.

*1 Our standard marking time (not including transport time, etc.)

*2 IC Card W/R is USB2.0. Planned LAN support (2024)

*3 CE marking and DEMKO will be acquired 2024

conforms to the Electrical Appliance and Material Safety Act in Japan



*1 Marking on ID-3

IDL-K10P MOVIE



<https://youtu.be/I3IJe-8Zzr4>

Contact



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