



Where identity begins.

HELIX™



MAGiCARD

Helix, where identity begins.

Combining high definition print quality with an intelligent interface and in-line visual security, Helix is the new foundation of trusted identity.



Helix introduces Magicard's latest visual security breakthrough.

An evolution of the famous HoloKote watermark, Helix utilises a special secure panel to print a security feature or logo to the card at the point of printing (Patent Pending). Designed to work with the retransfer process, HoloKote exploits the wavelengths and lens effect of the retransfer film to fluoresce under UV lighting conditions.

Available with 10 watermarks as standard, any of these watermarks can be replaced with your own customised design or company logo through an easy-to-use, but securely encrypted, online delivery method.



Innovation. It's what you expect from Magicard.

- Intuitive touch screen interface with print preview and troubleshooting animations.
- Field-upgradable to double-sided printing.
- Superior print quality.
- 1000 capacity ribbons and 200 capacity hoppers.
- Easy load film cassettes to eliminate contamination.
- Backed with Magicard's industry-leading 3 year UltraCoverPlus warranty with lifetime warranty on the printhead.



Specifications

Resolution	300 dpi	Extendibility	Internal 4 port USB HUB (1.1). (1x WiFi option, 1x encoder option, 1x Micro SD option, 1x unassigned).		
Color depth	256 level (8Bit)	Memory size	128MB		
Printing speed	125 card/hr single-sided YMCK (<30 secs) 200 card/hr single-sided monochrome	Laminator	Laminator in-line (double-sided) option (available 2016).		
Feeder capacity	200 cards (0.76mm/0.029")	Card encoding options	Magnetic stripe (ISO 7811, JIS2, custom formats), Contact (ISO 7816 & EMV), Contactless (MIFARE, DESFire, ProX, HiD iClass, TagIT, Legic, UHF).		
Card exit capacity	200 cards (0.76mm/0.029")	Printer security	Standard: Kensington lock. Option: User log-on, secure film cassettes, secure blank media feeder, secure card reject hopper, ribbon erase facility.		
Card thickness	0.76mm to 1.25mm (30 mil to 49 mil)	Security watermark	Standard HoloKote with UV effect (10 standard designs) – for use with secure dye film only.		
Card size	CR80	Customised watermark	Custom HoloKote with UV effect - ordered separately and for use with secure dye film only.		
Card material	PVC, PET, PC, PVH, ABS,				
Display	TFT LCD panel, Size: 4.3 inch, Resolution: 480x272, Color depth: 16.7 million colors, Resistive touchscreen.				
Dimensions	H 420mm (16.5") x W 455mm (17.9") x D 330mm (13")				
Estimated weight	14.4Kg/31.7lb				
Power source	100-240VAC				
Interface	USB 2.0, 10 BASE-T/100 BASE-T Ethernet. 802.11 b/g/n WiFi (option).				
System requirements	Windows XP, Vista, 7, 8.1, 10 (32 and 64bit) Windows server 2003 R2 SP2, 2008, 2012, 2016, GNU/Linux and Mac OS X				
Printer warranty	3 years UCP USA, EU, Australia and selected other territories otherwise 3 years limited.				
Printhead warranty	Lifetime				
		Part numbers			
		Single-sided		Double-sided	
		Helix Uno	3663-001	Helix Duo	3663-0021
		Helix Uno Mag	3663-002	Helix Duo Mag	3663-0022
		Helix Uno Smart	3663-003	Helix Duo Smart	3663-0023
		Helix Uno Smart Mag	3663-004	Helix Duo Smart Mag	3663-0024

Consumables

Helix film sets	Print capacity	Product code
Colour dye film and retransfer film set (1 YMCK and 1 RT film)	1000 images	SET-HX1000
Colour dye film with secure HoloKote panel and retransfer film set (4 YMCKS and 3 RT films)	3000 images	SET-HX3000S
Black monochrome dye film and retransfer film set (1 black and 3 RT films)	3000 images	SET-HX3000K
Helix dye films	Print capacity	Product code
Colour dye film (YMCK)	1000 images	HX1000YMCK
Colour dye film with secure HoloKote panel (YMCKS)	750 images	HX750YMCKS
Double-sided dye film, prints colour on one side and black on reverse (YMCKK)	750 images	HX750YMCKK
Black monochrome dye film (K)	3000 images	HX3000K-BLACK
Colour dye film with UV panel (YMCKUV)	750 images	HX750YMCKU
Helix retransfer films	Print capacity	Product code
Retransfer film	1000 images	HX1000RT
Extra durable retransfer film	1000 images	HX1000RTD



For more information:



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