

**MAGiCARD**



Where identity begins.

**HELIX**™



# 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.

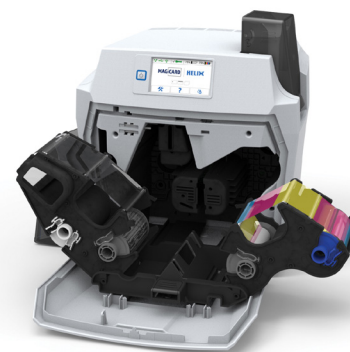


# Specifications

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

# 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



# Global contacts



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