

Product type designation



MV320 hand-held reader

SIMATIC MV320 CODE READER HANDHELD CODE READER FOR 1D A. 2D CODES E.G. DATA MATRIX, READY TO USE SET WITH READER AND USB CABLE 6' (1.8M) FOR USE WITH MEDIUM TO HIGH CONTRAST CODES, RANGE DEPENDING ON TYPE OF CODE AND SIZE 20MM UP TO 375MM

Suitability for operation	1D/2D: Aztec, Codabar, Codablock F, Code 11, Code 39, Code 39 Short Margin, Code 39 Extended Full ASCII, Code 39 Checksum, Code 93, Code 128, Code 128 Short Margin, Composite, Data Matrix, Data Matrix Rectangle, Data Matrix Inverse, GS1 DataBar (all), Interleaved 2of5, Interleaved 2of5 - 2 Digits, Macro PDF417, Maxicode, Matrix 2of5, Micro PDF417, MSI Plessey, NEC 2of5, OCR, PDF417, Postal Codes (All), QR Code, Telepen, UPC, UPC Short Margin, UPC Extension
Range	20 ... 375 mm
Range / Note	Code-dependent
Optical data	
Design of image sensor / of the camera	CMOS 1280 x 960, image resolution 960 x 640
Mounting type / of lens	Integrated
Type of light source	Lighting system comprising diffuse incident light (red, blue) and dark field (red)
Image acquisition frequency / maximum	10 Hz
Type of focusing	Fixed focus, optimum focal point at 6.3 mm
Supply voltage, current consumption, power loss	
Type of current supply	via USB or external plug-type power supply unit (RS232), 5 V, 410 mA
Type of battery	--
Permitted ambient conditions	
Ambient temperature	
• during operation	-20 ... +55 °C
• during storage	-30 ... +65 °C

Relative humidity / at 25 °C / without condensation / during operation / maximum	95 %
Height of fall / maximum	1.8 m

Design, dimensions and weight

Width	132 mm
Height	52 mm
Depth	92 mm
Net weight	0.13 kg

Product properties, functions, components / general

Design of the display	2 LEDs
Operator element version	Trigger in handle
Design of acoustic signaling element	Vibration alarm, audible signal
Design of the interface	USB, RS232

Product functions / management, configuration

Product function / of the software	Read, display, save, transfer codes
Type of programming	optical parameterization or via configuration software

Accessories

accessories	RS232 cable with power supply, USB cable, stand
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Further Information / Internet Links

Internet-Link	
<ul style="list-style-type: none"> • to website: Selector SIMATIC NET SELECTION TOOL http://www.siemens.com/snst • to website: Industrial communication http://www.siemens.com/simatic-net • to website: Industry Mall https://mall.industry.siemens.com • to website: Information and Download Center http://www.siemens.com/automation/net/catalog • to website: Image database http://automation.siemens.com/bilddb • to website: CAx Download Manager http://www.siemens.com/cax • to website: Industry Online Support https://support.industry.siemens.com 	

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