SIEMENS

Product type designation	MV320 optical hand-held reader
	SIMATIC MV320 optical reader, handheld reader for 1D and 2D codes e.g. data matrix, ready-to-use set from read Device and USB cable power supply via USB 6' (1.8m) for use with codes with medium to high contrast, reading range depending on code type and size 20 mm to 375 mm

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 Plessy, 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 incident light (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	--

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 weights

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

Product features, product functions, product 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, engineering

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

Further information / Internet-Links

Internet-Link	
• to website: Selector SIMATIC NET SELECTION TOOL	https://support.industry.siemens.com/cs/ww/en/view/67384964
• to website: Industrial communication	http://www.siemens.com/codereader
• to website: Industry Mall	https://mall.industry.siemens.com
• to website: Information and Download Center	http://www.siemens.com/industry/infocenter
• 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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