



SIMATIC MV530 S optical reader resolution: 800 x 600 pixels; Function: 1D/2D code reading; operating range [mm]: 30...250, depending on dot size; image field[mm]: 40x30...185x140; PoE; IP67; delivery: complete reader incl. built-in ring lamp green, pole filter, Optic 5.6 mm (fix- focus, fixed cover) and protective barrel;

suitability for operation

1D codes: Int. 2/5, Code 128, Code 93, Code 39, Code 32, EAN 13, EAN 8, UPC-A, UPC-E, GS1, Pharmacode, Postnet, 2D codes: DMC, dot code, PDF417 (without: Truncated, Micro and Macro), Q R (without: Micro and Macro), verification uncalibrated

### interfaces

type of electrical connection	
<ul style="list-style-type: none"> <li>of Industrial Ethernet interface</li> <li>of the RS 422 interface</li> <li>of the RS 232 interface</li> <li>for supply voltage</li> <li>at the digital inputs/outputs</li> </ul>	<p>M12, d-coded, PoE</p> <p>M12, 12-pin, male</p> <p>M12, 12-pin, male</p> <p>M12, 12-pin, male</p> <p>M12, 12-pin, male</p>
number of digital inputs	1
number of digital outputs	3
digital input version	1 fast trigger input
digital output version	1 fast strobe output, 2 potential-free outputs (NPN- PNP-capable)

### optical data

design of image sensor / of the camera	CMOS-Chip, 800 x 600
type of image capture	Global shutter with manual or automatic exposure time
range	30 ... 250 mm
range / note	range determined and preset by the built-in special lens
fastening method / of lens	C-mount lens connection
type of light source	Integrated lighting or external lighting according to accessories list
picture recording frequency / maximum	100 Hz
code reading rate / maximum	80 1/s
type of focusing	Based on mounting

### supply voltage, current consumption, power loss

supply voltage	
<ul style="list-style-type: none"> <li>at DC / rated value</li> <li>at DC</li> </ul>	<p>24 V</p> <p>19.2 ... 28.8 V</p>
consumed current / at DC / at 24 V	
<ul style="list-style-type: none"> <li>typical</li> <li>maximum</li> </ul>	<p>0.2 A</p> <p>2 A</p>
buffering time / in the event of power failure / minimum	0.01 s

### mechanical data

material	Die-cast aluminum
color	petrol blue

### ambient conditions

ambient temperature	
<ul style="list-style-type: none"> <li>during operation</li> <li>during storage</li> <li>during transport</li> </ul>	<p>50 °C</p> <p>-30 ... +70 °C</p> <p>-30 ... +70 °C</p>

relative humidity / at 25 °C / without condensation / during operation / maximum	95 %
protection class IP	IP67
shock resistance	According to IEC 60068-2
shock acceleration	300 m/s <sup>2</sup>
vibrational acceleration	40 m/s <sup>2</sup>
<b>design, dimensions and weights</b>	
width	68 mm
height	122 mm
depth	45 mm
net weight	0.55 kg
fastening method	4 x M4 screws
<b>product features, product functions, product components / general</b>	
display version	7 LEDs
protocol / is supported / Media Redundancy Protocol (MRP)	No
product function / of the PROFINET IO device / is supported / H-Sync forwarding	No
protocol / is supported	
• LLDP	Yes
• PROFINET IO protocol	Yes
• TCP/IP	Yes
• SNMP v1	Yes
• SNMP v2	No
• SNMP v3	No
• DCP	Yes
• EtherNet/IP protocol	No
• OPC UA	No
product feature / silicon-free	Yes
<b>standards, specifications, approvals</b>	
certificate of suitability	CE, NuG suitable
MTBF	66 a
<b>accessories</b>	
accessories	mounting brackets, built-in ring lights, external ring lights, E-focus lens, C-mount lenses, protective barrels for lenses
<b>further information / internet links</b>	
internet link	
• to web page: selection aid TIA Selection Tool	<a href="https://support.industry.siemens.com/cs/ww/en/view/67384964">https://support.industry.siemens.com/cs/ww/en/view/67384964</a>
• to website: Industrial communication	<a href="http://www.siemens.com/codereader">http://www.siemens.com/codereader</a>
• to website: Industry Mall	<a href="https://mall.industry.siemens.com">https://mall.industry.siemens.com</a>
• to website: Information and Download Center	<a href="http://www.siemens.com/industry/infocenter">http://www.siemens.com/industry/infocenter</a>
• to website: Image database	<a href="http://automation.siemens.com/bilddb">http://automation.siemens.com/bilddb</a>
• to website: CAx-Download-Manager	<a href="http://www.siemens.com/cax">http://www.siemens.com/cax</a>
• to website: Industry Online Support	<a href="https://support.industry.siemens.com">https://support.industry.siemens.com</a>

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