

OEM Specification Sheet

MS4717-LUxC0x (MS4717 w/cone)

Physical Characteristics

Dimensions	105 mm H x 75.8 mm W x 102.5 mm D
Weight	182 g
Interface	Micro-USB on scanner side to USB on host side, USB Certified
Exit Window	1.5 mm protrusion, 1 mm edge radius

User Environment

Ambient Light	Total darkness to 10,000 ft. candles, Max 107,369 lux (direct sunlight)
Operating Temp.	-20° C to 50° C
Storage Temp.	-30° C to 70° C
Humidity	Operating: 95% RH, non-condensing at 122° F / 50° C Storage: 85% RH, non-condensing at 158° F / 70° C
Power	Supply Voltage: 5.00 V ± 0.5 V Low Power/ Suspend Current Draw: 2.5 mA (max) Idle Current: 125 mA RMS (typical) Operating Current (scan/decode session): 265 RMS (typical) Peak Current: 480 mA

Performance Characteristics

Sensor Resolution	1280 x 800 pixels, rolling shutter
Field of View	H 42° x V 28°
Skew, Pitch & Roll	Skew Tolerance: ±60° Pitch Tolerance: ±60° Roll Tolerance: 360°
Aiming LED	Orange LED aiming dot (610nm)
Illumination	Red LED illumination (660nm)



Decode Ranges – Expected

Barcode Type	Near Distance, typical	Far Distance, typical
4 mil Code 39	0.1 in / 0.25 cm	7.5 in / 19 cm
5 mil Code 39	0 in / 0 cm	9.4 in / 23.9 cm
20 mil Code 39	0 in / 0 cm	19.2 in / 48.8 cm
5 mil Code 128	0 in / 0 cm	7.7 in / 19.6 cm
13 mil 100% UPC	0 in / 0 cm	17.2 in / 43.7 cm
5 mil PDF417	0.1 in / 0.25 cm	4.8 in / 12.2 cm
10 mil Data Matrix	0 in / 0 cm	8.0 in / 20.3 cm
20 mil QR Code	0 in / 0 cm	13.6 in / 34.5 cm