



Performance Characteristics

Technology	Area Imaging	Area Imaging	Linear Imaging	Linear Imaging	Linear Imaging	Linear Imaging	Linear Imaging	Linear Imaging	Linear Imaging	Linear Imaging	
Print Contrast	20% minimum reflective difference	20% minimum reflective difference	20% minimum reflective difference	20% minimum reflective difference	20% minimum reflective difference	10% minimum reflective difference	15% minimum reflective difference	15% minimum reflective difference	15% minimum reflective difference	20% minimum reflective difference	
Minimum Resolution	SR Model 3.3 mil Code 39 7 mil DM HD Model 2.7 mil Code 39 5 mil DM	SR Model 3.3 mil Code 39 7 mil DM HD Model 2.7 mil Code 39 5 mil DM	Typical 3 mil (Code 39, PCS 0.9)	Typical 3 mil (Code 39, PCS 0.9)	Typical 3 mil (Code 39, PCS 0.9)	Typical 3 mil (Code 39, PCS 0.9)	Typical 3 mil (Code 39, PCS 0.9)	Typical 3 mil (Code 39, PCS 0.9)	Typical 3 mil (Code 39, PCS 0.9)	Typical 3 mil (code 39, PCS 0.9)	
Working Distance	SR Model 5 mil (0.13mm) C39 3.8-19.5cm (1.5"-7.7") 13 mil (0.33mm) EAN 2.4-40.5cm (0.9"-15.9") 10 mil (0.25mm) DM 3.0-20.0cm (1.2"-7.9") HD Model 3 mil (0.076mm) C39 2.2-9.6cm (0.9"-3.8") 5 mil (0.13mm) C39 2.8-11.5cm (1.1"-4.5") 13 mil (0.33mm) EAN 1.8-20.3cm (0.7"- 8.0") 5 mil (0.13mm) DM 2.8-7.5cm (1.1"-3.0") 10 mil (0.25mm) DM 1.2-12.0cm (0.5"-4.7")	SR Model 5 mil (0.13mm) C39 3.8-19.5cm (1.5"-7.7") 13 mil (0.33mm) EAN 2.4-40.5cm (0.9"-15.9") 10 mil (0.25mm) DM 3.0-20.0cm (1.2"-7.9") HD Model 3 mil (0.076mm) C39 2.2-9.6cm (0.9"-3.8") 5 mil (0.13mm) C39 2.8-11.5cm (1.1"-4.5") 13 mil (0.33mm) EAN 1.8-20.3cm (0.7"- 8.0") 5 mil (0.13mm) DM 2.8-7.5cm (1.1"-3.0") 10 mil (0.25mm) DM 1.2-12.0cm (0.5"-4.7")	Up to 24 inches on 100% UPC/EAN symbols Up to 34 inches on 20 mil Code 39	Up to 24 inches on 100% UPC/EAN symbols Up to 34 inches on 20 mil Code 39	Up to 24 inches on 100% UPC/EAN symbols Up to 34 inches on 20 mil Code 39	Up to 24 inches on 100% UPC/EAN symbols Up to 34 inches on 20mil code 39	Up to 24 inches on 100% UPC/EAN symbols Up to 34 inches on 20 mil Code 39	Up to 24 inches on 100% UPC/EAN symbols Up to 34 inches on 20 mil Code 39	Up to 24 inches on 100% UPC/EAN symbols Up to 34 inches on 20 mil Code 39	Up to 24 inches on 100% UPC/EAN symbols Up to 34 inches on 20 mil Code 39	More than 13 inches on 100% UPC/EAN symbols Up to 18 inches on 20-mil Code 39
Light Source	Aiming Pattern : 630nm LED Illumination : 630nm LED	Aiming Pattern : 630nm LED Illumination : 630nm LED	630nm visible red LED with laser aiming	630nm visible red LED with laser aiming	630nm visible red LED with laser aiming	630nm visible red LED	630nm visible red LED	630nm visible red LED	630nm visible red LED	630nm visible red LED	
Operating Modes	Trigger, Toggle, Force, Level, Diagnostic, Alternative, Low power, Presentation, Multiple read	Trigger, Toggle, Force, Level, Diagnostic, Alternative, Low power, Presentation, Multiple read	Toggle, Trigger, Force, Level, Flash, Diagnostic Alternative, Low power, Presentation	Toggle, Trigger, Force, Level, Flash, Diagnostic Alternative, Low power, Presentation	Toggle, Trigger, Force, Level, Flash, Diagnostic Alternative, Low power, Presentation	Toggle, Trigger, Force, Level, Flash, Diagnostic Alternative, Low power, Presentation	Toggle, Trigger, Force, Level, Flash, Diagnostic Alternative, Low power, Presentation	Toggle, Trigger, Force, Level, Flash, Diagnostic Alternative, Low power, Presentation	Toggle, Trigger, Force, Level, Flash, Diagnostic Alternative, Low power, Presentation	Toggle, Trigger, Force, Level, Flash, Diagnostic Alternative, Low power, Presentation	
User Interfaces	3 LEDs for power, good read and status indications Programmable beeper Optional vibrator	3 LEDs for power, good read and status indications Programmable beeper Optional vibrator	3 LEDs for power, good read and status indications Programmable beeper Optional vibrator	3 LEDs for power, good read and status indications Programmable beeper Optional vibrator	3 LEDs for power, good read and status indications Programmable beeper Optional vibrator	3 LEDs for power, good read and status indications Programmable beeper Optional vibrator	3 LEDs for power, good read and status indications Programmable beeper Optional vibrator	3 LEDs for power, good read and status indications Programmable beeper Optional vibrator	3 LEDs for power, good read and status indications Programmable beeper Optional vibrator	Blue LED indications Programmable beeper Optional vibrator	

Supported Symbolgies

	1D, Linear-stacked, PDF417, Micro PDF417, Codablock, Composite, 2D	1D, Linear-stacked, PDF417, Micro PDF417, Codablock, Composite, 2D	L780 : 1D, Linear-stacked	L780 HC : 1D, Linear-stacked	L680 : 1D, Linear-stacked	F790 : 1D, Linear-stacked	F780 : 1D, Linear-stacked	F780 HC : 1D, Linear-stacked	F680 : 1D, Linear-stacked	F560 : 1D, Linear-stacked
			L788 : 1D, Linear-stacked, PDF417, Micro PDF417, Codablock, Composite	L788 HC : 1D, Linear-stacked, PDF417, Micro PDF417, Codablock, Composite	L688 : 1D, Linear-stacked, PDF417, Micro PDF417, Codablock, Composite	F798 : 1D, Linear-stacked, PDF417, Micro PDF417, Codablock, Composite	F788 : 1D, Linear-stacked, PDF417, Micro PDF417, Codablock, Composite	F788 HC : 1D, Linear-stacked, PDF417, Micro PDF417, Codablock, Composite	F688 : 1D, Linear-stacked, PDF417, Micro PDF417, Codablock, Composite	F568 : 1D, Linear-stacked, PDF417, Micro PDF417, Codablock, Composite

User Environment

Drop Specifications	Withstand 10 drops at 2.0m / 6.6ft to concrete	Withstand 10 drops at 2.0m / 6.6ft to concrete	Withstand 10 drops at 6.6ft / 2.0m to concrete	Withstand 10 drops at 6.6ft / 2.0m to concrete	Withstand 10 drops at 6.0ft / 1.8m to concrete	Withstand 10 drops at 6.6ft / 2.0m to concrete	Withstand 10 drops at 6.6ft / 2.0m to concrete	Withstand 10 drops at 6.6ft / 2.0m to concrete	Withstand 10 drops at 6.0ft / 1.8m to concrete	Withstand multiple 1.6m/5.2ft. drops to concrete
Environmental Sealing	IP41	IP41	IP41	IP41	IP41	IP41	IP41	IP41	IP41	IP41
Operating Temperature	-10 °C to 50 °C (14 °F to 122 °F)	-10 °C to 50 °C (14 °F to 122 °F)	-10 °C to 50 °C (14 °F to 122 °F)	-10 °C to 50 °C (14 °F to 122 °F)	-10 °C to 50 °C (14 °F to 122 °F)	-10 °C to 50 °C (14 °F to 122 °F)	-10 °C to 50 °C (14 °F to 122 °F)	-10 °C to 50 °C (14 °F to 122 °F)	-10 °C to 50 °C (14 °F to 122 °F)	-10 °C to 50 °C (14 °F to 122 °F)
Storage Temperature	-40 °C to 70 °C (-40 °F to 158 °F)	-40 °C to 70 °C (-40 °F to 158 °F)	-40 °C to 70 °C (-40 °F to 158 °F)	-40 °C to 70 °C (-40 °F to 158 °F)	-40 °C to 70 °C (-40 °F to 158 °F)	-40 °C to 70 °C (-40 °F to 158 °F)	-40 °C to 70 °C (-40 °F to 158 °F)	-40 °C to 70 °C (-40 °F to 158 °F)	-40 °C to 70 °C (-40 °F to 158 °F)	-40 °C to 70 °C (-40 °F to 158 °F)
Humidity	5% to 95% related humidity, non-condensing	5% to 95% related humidity, non-condensing	5% to 95% related humidity, non-condensing	5% to 95% related humidity, non-condensing	5% to 95% related humidity, non-condensing	5% to 95% related humidity, non-condensing	5% to 95% related humidity, non-condensing	5% to 95% related humidity, non-condensing	5% to 95% related humidity, non-condensing	5% to 95% related humidity, non-condensing
Ambient Light Immunity	0 ~ 100,000 lux	0 ~ 100,000 lux	0 ~ 100,000 lux	0 ~ 100,000 lux	0 ~ 100,000 lux	0 ~ 100,000 lux	0 ~ 100,000 lux	0 ~ 100,000 lux	0 ~ 100,000 lux	0 ~ 80,000 lux
Recommend cleaning solutions		Gentle dish soap water or alcohol solvent		Gentle dish soap water or alcohol solvent				Gentle dish soap water or alcohol solvent		

Physical Characteristics

Dimension	95.0 mm (L) x 70.5 mm (W) x 161.7 mm (D) 3.74 in. (L) x 2.77 in. (W) x 6.36 in. (D)	95.0 mm (L) x 70.5 mm (W) x 161.7 mm (D) 3.74 in. (L) x 2.77 in. (W) x 6.36 in. (D)	97.8 mm (L) x 70.5 mm (W) x 156.2 mm (D) 3.85 in. (L) x 2.77 in. (W) x 6.15 in. (D)	97.8 mm (L) x 70.5 mm (W) x 156.2 mm (D) 3.85 in. (L) x 2.77 in. (W) x 6.15 in. (D)	97.0 mm (L) x 65.0 mm (W) x 156 mm (D) 3.81 in. (L) x 2.55 in. (W) x 6.14 in. (D)	97.8 mm (L) x 70.5 mm (W) x 156.2 mm (D) 3.85 in. (L) x 2.77 in. (W) x 6.15 in. (D)	97.8 mm (L) x 70.5 mm (W) x 156.2 mm (D) 3.85 in. (L) x 2.77 in. (W) x 6.15 in. (D)	97.8 mm (L) x 70.5 mm (W) x 156.2 mm (D) 3.85 in. (L) x 2.77 in. (W) x 6.15 in. (D)	97.0 mm (L) x 65.0 mm (W) x 156 mm (D) 3.81 in. (L) x 2.55 in. (W) x 6.14 in. (D)	165.0 mm (L) x 64.7 mm (W) x 38.7 mm (D) 6.50 in. (L) x 2.55 in. (W) x 1.52 in. (D)
Weight	152g (cable excluded)	152g (cable excluded)	157g (cable excluded)	157g (cable excluded)	125g (without cable)	157g (cable excluded)	157g (cable excluded)	157g (cable excluded)	125g (without cable)	106g
Color	Black	Plastic: Healthcare White Over-mold: Light Blue	Light Gray or Black	Plastic: Healthcare White Over-mold: Light Blue	Light Gray or Black	Black	Light Gray or Black	Plastic: Healthcare White Over-mold: Light Blue	Light Gray or Black	Light Gray or Black
Current	Operating : Typical 350 mA @5VDC Standby : Typical 180 mA @5VDC	Operating : Typical 350 mA @5VDC Standby : Typical 180 mA @5VDC	Operating : Typical 190 mA @5VDC Standby : Typical 90 mA @5VDC	Operating : Typical 190 mA @5VDC Standby : Typical 90 mA @5VDC	Operating : Typical 190 mA @5VDC Standby : Typical 90 mA @5VDC	Operating : Typical 180 mA @5VDC Standby : Typical 80 mA @5VDC	Operating : Typical 180 mA @5VDC Standby : Typical 80 mA @5VDC	Operating : Typical 180 mA @5VDC Standby : Typical 80 mA @5VDC	Operating : Typical 180 mA @5VDC Standby : Typical 80 mA @5VDC	Operating : Typical 170 mA @5VDC Standby : Typical 75 mA @5VDC