

IMAGETEAM™ 4800 Specifications

Performance

Aiming:						
Illumination LEDs	626nm ±30nm					
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Image:	VGA, 640x480. Binary, TIFF, or JPEG output.					
IT4800SR Working Range:	8 mil Linear (.020cm)	10 mil PDF417 (.025cm)	13 mil UPC (.033cm)	6.6 mil PDF417 (.017cm)	15 mil Data Matrix (.038cm)	35 mil MaxiCode (.089cm)
Near	2.9 in. (7.4cm)	2.5 in. (6.4cm)	1.9 in. (4.8cm)	3.9 in. (9.9cm)	3.1 in. (7.9cm)	1.4 in. (3.6cm)
Far	7 in. (17.8cm)	8.4 in. (21.3cm)	11.9 in. (30.2cm)	5.7 in. (14.5cm)	5.9 in. (15cm)	12.4 in. (31.5cm)
Skew Angle:	±40°					
Pitch Angle:	±40°					
Horizontal Velocity:	2 in. (5 cm) per second					

Mechanical/Electrical

Dimensions			
Length:	5.3 in. (13.5 cm)		
Height:	6.4 in. (16.3 cm)		
Width:	3.2 in. (8.1 cm)		
Weight:	7.5 oz. (213 g)		
Housing:	UL 94V0 grade		
Power Requirements:	4.5 - 12Vdc at scanner		
Current Draw (Typical):	<u>Input</u>	<u>Scanning</u>	<u>Idle</u>
	5 V	310mA	40mA
	12 V	130mA	35mA

Power Supply

Noise Rejection: Maximum 100mV peak to peak, 10 to 100 kHz

Environmental

Temperature		
Operating:	14°F to +122°F (-10°C to +50°C)	
Storage:	-40°F to 140°F (-40°C to +60°C)	
Humidity:	0 to 95%, non-condensing	
Sealing:	IP54 (water and dust resistant)	
Mechanical Shock:	Operational after 50 drops from 6.5 ft. (2 m) to concrete	
Ambient Light:	Total darkness to 100,00 lux (full sunlight)	
ESD Protection:	Functional after 100 discharges at 15kV	
Vibration:	Withstands 5G peak from 22 to 300 Hz	
Agency:	FCC Class B, CE EMC Class B, CE Low Voltage Directive, IEC60825-1 LED Safety: Class 1, UL, cUL listed, TÜV	
MTBF:	per MIL-HDBK-217F Ground Benign exceeds 82,000 hours	

Symbologies

2 Dimensional:	PDF417, MicroPDF417, MaxiCode, Data Matrix, QR Code, Aztec, Aztec Mesas, Code 49, and UCC Composite.
Linear:	Codabar, Code 39 including PARAF, Interleaved 2 of 5, Code 2 of 5, Code 11, Code 93, Code 128, UPC, EAN/JAN, RSS.
Postal:	Postnet, Planet Code, British Post, China Post, Canadian Post, Japanese Post, KIX (Netherlands Post)
OCR Fonts:	OCR-A, OCR-B
Interfaces:	All popular PCs and terminals via keyboard wedge, keyboard replacement/direct connect, TTL level RS-232, TTL level Serial Wedge, USB, wand emulation, HHLC non-decoded laser compatible, True RS-232, IBM 468x, and IBM469x.
Warranty:	Three year factory warranty.



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