

Takame 1500 Scanner

The Takame 1500 is a compact, rugged bar code reader that features a high performance scan engine, patented dual-field optical platform and intuitive that makes reading 1D and 2D bar codes extremely fast, reliable, and more affordable than ever.

The Takame 1500 can be used in either hands-free or handheld mode and can be combined with various peripherals for truly unique solutions. For data editing and parsing, end users can take advantage of Takame's JavaScript rules to create custom routines and applications that are easily embedded into the reader.

The innovative design of the Takame 1500 makes it one of the smallest, most durable bar code readers on the market today. Whether it is being used in a healthcare, retail, or other high-use environments, the Takame 1500's disinfectant ready plastic housing, and IP54 rating ensures that the performance and life of the reader is never compromised by harsh cleaning agents, dust and water ingress, or even multiple drops.

Applications for the Takame 1500 include: Healthcare, Mobile coupon or ticketing (event, airline, cinema, etc), Pharmacy, Patrol Vehicles, Retail, and Manufacturing.



Glare reduction technology for reading codes on shiny surfaces

Communication Interfaces:

RS232, USB2.0 (Generic HID, HID Keyboard, VirtualCom Port)

Memory Capacity:

128MB Flash ROM, 32MB RAM

High speed scanning:

omnidirectional reading of 1D, 2D, Postal bar codes and OCR

Takame 1500 Specifications

Physical Characteristics

1500 Dimensions:	5.5" H x 2.75" L x 2.0" H (140 mm H x 70 mm L x 50 mm W)
1500 Weight	3.9 oz (110 g)
IP Rating	54

Performance Characteristics

Field of View:	High Density Field: 30° horizontal by 20° vertical Wide Field: 50° horizontal by 33.5° vertical
Focal Point:	Approximately 100 mm
Sensor:	CMOS 1.2 Megapixel (1280 x 960) gray scale
Optical Resolution:	High Density Field: 960 x 640 Wide Field: 960 x 640
Pitch:	± 60° (from front to back)
Skew:	± 60° from plane parallel to symbol (side-to-side)
Rotational Tolerance:	± 180°
Print Contrast Res.:	25% (1D symbologies) or 35% (2D symbologies) absolute dark/light reflectance differential, measured at 650 nm
Target Beam:	Single, blue targeting bar
Ambient Light Immunity:	Sunlight: Up to 9,000ft-candles/96,890 lux
Shock:	Withstands multiple drops of 6' (1.8 Meters)
Power Requirements:	Reader @ 5vdc (mA): Typical = less than 450 mA; Idle = less than 80 mA; Sleep = less than 31 mA
Memory Capacity:	128MB Flash ROM, 32MB RAM
Communication Interfaces:	RS232, USB 2.0 (Generic HID, HID Keyboard, Virtual Com Port)

Accessories

- 6ft. Straight USB Affinity Cable
- 8ft. Coiled RS232 Affinity Cable
- Universal Stand



1500 with Universal Stand

User Environment

Operating Temperature:	-20° to 55° C / -4° to 131° F
Storage Temperature:	-30° to 65° C / -22° to 150° F
Humidity:	5% to 95% non-condensing
Decode Capability:	1D: UPC/EAN/JAN, Code 39, Code 128, Interleaved 2 of 5, Codabar, GS1 DataBar (RSS), MSI Plessey, Code 11, Code 93, NEC 2 of 5, Matrix 2 of 5, Trioptic Code, Telepen, Hong Kong 2 of 5, Pharmacode Stacked 1D: PDF417, Micro PDF417, Codablock A & F, Composite Codes 2D: Data Matrix, QR Code, Micro QR Code, Aztec Code, Maxicode Proprietary 2D: GoCode® (Additional License Required) Postal: USPS OneCode (4CB), POSTNET, PLANET, Japanese Post, Australian Post, Royal Mail, KIX Code OCR: OCR-A and OCR-B Fonts, Passports
Image Output Options:	Formats: Bitmap or JPEG
Field Selection:	High-Density or Wide Field
Data Editing:	JavaScript (Additional License Required)



Working Ranges

1500 Performance		
Test Code	Min Inches (mm)	Max Inches (mm)
3 mil Code 39	3.9" (100 mm)	5.0" (125 mm)
7.5 mil Code 39	2.2" (55 mm)	8.0" (205 mm)
13 mil UPC	2.0" (50 mm)	10.8" (275 mm)
4.2 mil Data Matrix	3.7" (95 mm)	4.7" (120 mm)
5 mil Data Matrix	3.7" (95 mm)	5.5" (140 mm)
6.3 mil Data Matrix	3.1" (80 mm)	6.3" (160 mm)
10 mil Data Matrix	1.6" (40 mm)	7.9" (200 mm)
20.8 mil Data Matrix	1.6" (40 mm)	12.2" (310 mm)

Note: working ranges are a combination of both the wide and high density fields. All samples were high quality codes and were read along a physical center line at a 10° angle. Default AGC settings were used. Accuracy= +/- 10%.