1704

1704 2D scanner
RUGGED, VERSATILE

CipherLab's handheld 2D scanner enables you to capture more symbologies in nearly any application. For manufacturing, warehouse, logistics, and more, you can depend on the CipherLab 1704 scanner to help save money and increase productivity.

1704 rugged 2D scanner

Rugged Value,
High Performance

LONG-LASTING VALUE

We designed the 1704 to give you long-lasting value by making it rugged with a low-cost investment. Built to IP54 specifications and repeatedly drop-tested from 1.8 meters, the 1704 withstands sudden shock, dusty environments, and splashing water. Even in the harsh environments of manufacturing, warehousing, and logistics it keeps delivering high performance for years to come.

1.3 MEGAPIXEL IMAGE CAPTURE

With the 1704, you can easily enable higher levels of authentication. The 1704's 1.3 megapixel, high-resolution imager lets you capture signatures for processes requiring a greater degree of authorization or documentation, such as confirmation of a damaged shipment. An option allows capture of documents as large as A4.

ROBUST DECODING CAPABILITIES

The 1704 scanner captures both 2D and 1D barcodes in the same rugged unit. Its high-resolution imager is ideal for damaged or poorly printed barcodes, allowing accurate data capture even when barcodes are scratched and damaged.

TRIPLE ALERTS FOR EVERY ENVIRONMENT

With three modes of "good scan" confirmation, the 1704 allows work to proceed, even in dark, noisy or distracting environments. Choose confirmation signals from a bright LED alert, adjustable volume alert, or vibration in the handle. Few other 2D scanners offer such a complete choice of alerts, tailored to the rigors of your workplace.

SCANMASTER
Custom-configure your scanner

CipherLab's complimentary ScanMaster software provides a comprehensive tool set to configure the 1704 scanner, edit format and symbol types, plus more.
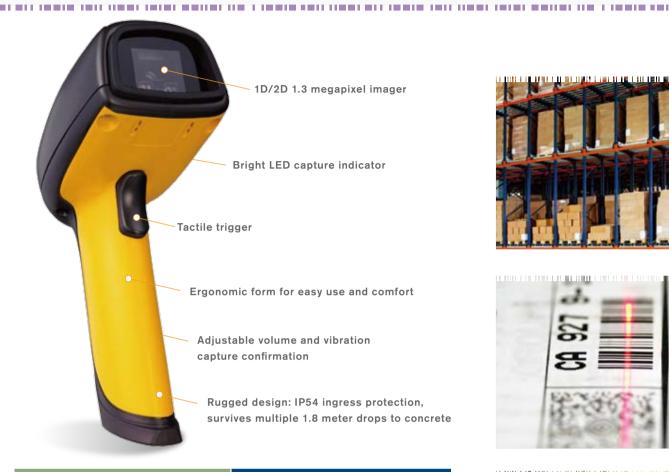
1704 scanner

1D/2D 1.3 megapixel imager

Bright LED capture indicator

Tactile trigger

Ergonomic form for easy use and comfort

Adjustable volume and vibration capture confirmation

Rugged design: IP54 ingress protection, survives multiple 1.8 meter drops to concrete

1704 FEATURES	USER BENEFITS
Built for harsh work conditions, drop tested to 1.8 meters, sealed to IP54	Productivity in extreme temperature, humidity situations. Maximized service life for highest return on investment, lowest cost of ownership.
High-resolution scanning engine captures documents and signature	Rich data capture adds functionality and performance.
Multi-mode 'good scan' signals	Adjustable volume, bright LED and exclusive vibrator notify user—even in dark or noisy environment.

CIPHERLAB PRODUCTS ARE VALUED WORLDWIDE FOR ENGINEERING EXCELLENCE. OUR **RUGGED SCANNERS** ARE ANOTHER EXAMPLE OF TECHNICAL INNOVATION AND QUALITY VALUE FOR TODAY'S AIDC SOLUTIONS.

SPECIFICATIONS

1704 2D scanner
RUGGED, VERSATILE

		1704			1704DC (can capture A4 document)		
Performance	Category	2D barcode scanner					
	Optical sensor	1280 (H) × 1024 (V)					
	Light source	Red LED 630 nm±20 nm					
	Resolution	5 mil 1D 6.67 mil 2D					
	Depth of field at 80% MRD	Code 39	5 mil	6.4 to 17.8 cm / 2.5 to 7 in.	Code 39	5 mil	10.7 to 25.4 cm / 4.2 to 10 in.
		Code 39	7.5 mil	6.4 to 22.9 cm / 2.5 to 9 in.	Code 39	7.5 mil	6.4 to 36.3 cm / 2.5 to 14.3 in.
		UPCA	13 mil	6.4 to 25.4 cm / 2.5 to 10 in.	UPCA	13 mil	6.4 to 41.4 cm / 2.5 to 16.3 in.
		Code 39	20 mil	6.4 to 36.8 cm / 2.5 to 14.5 in.	Code 39	20 mil	7.1 to 58.4 cm / 2.8 to 23 in.
		PDF 417	6.67 mil	7.6 to 17.3 cm / 3 to 6.8 in.	PDF 417	6.67 mil	12.2 to 24.9 cm / 4.8 to 9.8 in.
		PDF 417	10 mil	7.6 to 19.8 cm / 3 to 7.8 in.	PDF 417	10 mil	10.2 to 32.3 cm / 4 to 12.7 in.
		PDF 417	15 mil	11.9 to 23.6 cm / 4.7 to 9.3 in.	PDF 417	15 mil	11.9 to 38.9 cm / 4.7 to 15.3 in.
	Scanning angle	Pitch ±65° Skew ±60°					
	PCS	Minimum 25%					
	Frame rate	30 frames/second					
	Interfaces supported	RS232 / Keyboard wedge / USB HID / USB Virtual COM					
	Barcodes supported	*1D symbology:* Codabar, Code 11, Code 39, Code 93, Code 128, Discrete 2 of 5, Interleaved 2 of 5, MSI, RSS, UPC/EAN, UPC/EAN128 *2D symbology:* Aztec and composites, DataMatrix, Maxicode, PDF417, QRCode *Postal codes:* Australia, Japan, U.S. Postnet, U.S. Planet, UK					
	Programmable features	Data editing, multi-barcode editing, data format editing					
	Language support	US and UK English, French, Italian, Belgian, Norwegian, Swedish, Spanish, Portuguese, German, Japanese					
Physical	Weight including battery	306 g / 10.8 oz.					
	Color	Yellow					
	Switch	Tactile switch					
Electrical	Voltage	4.5 to 24V					
	Power consumption Standby / Operating	45mA / 378mA @5V					
User environment	Operating temperature	-10° to 55°C / 14° to 131°F[1]					
	Storage temperature	-40° to 70°C / -40° to 158°F					
	Humidity Non-condensing	Operating: 10% to 90% Storage: 5% to 95%					
	Impact resistance	1.8 m / 5.9 ft., five drops per side					
	Electrostatic discharge	±15 kV air discharge, ±8 kV contact discharge					
	Ingress protection	IP54					
	EMC regulation	BSMI, CE, C-Tick, FCC, IC					
Configuration		Setup options include Windows® based ScanMaster software by direct connection or printing out barcode settings					
Accessories		Power Hood					
Warranty		3 years / engine 1 year					

[1]adapter's operating temperature is 0° to 40°C (32° to 104°F)

Power Hood