



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—as small as 3 mils—in the same rugged unit. Its high-resolution imager is ideal for small, dense, or poorly printed barcodes, allowing accurate data capture even when barcodes are scratched and damaged.

TRIPLE ALERTS FOR EVERY ENVIRONMENT

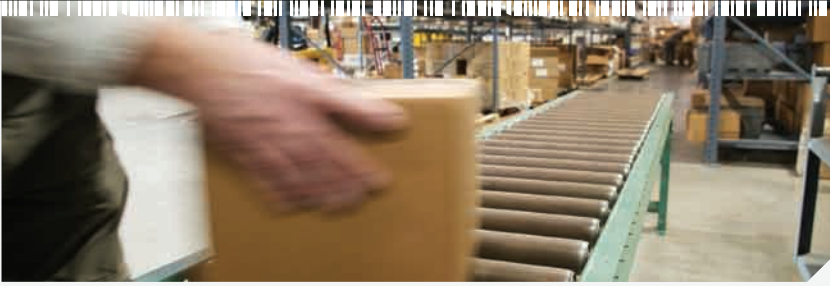
With three modes of “good scan” confirmation, the 1704 allows work to proceed, even in dark, noisy or distracting environments. Choose confirmation signals from a bright LED alert, adjustable volume alert, or vibration in the handle. Few other 2D scanners offer such a complete choice of alerts, tailored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



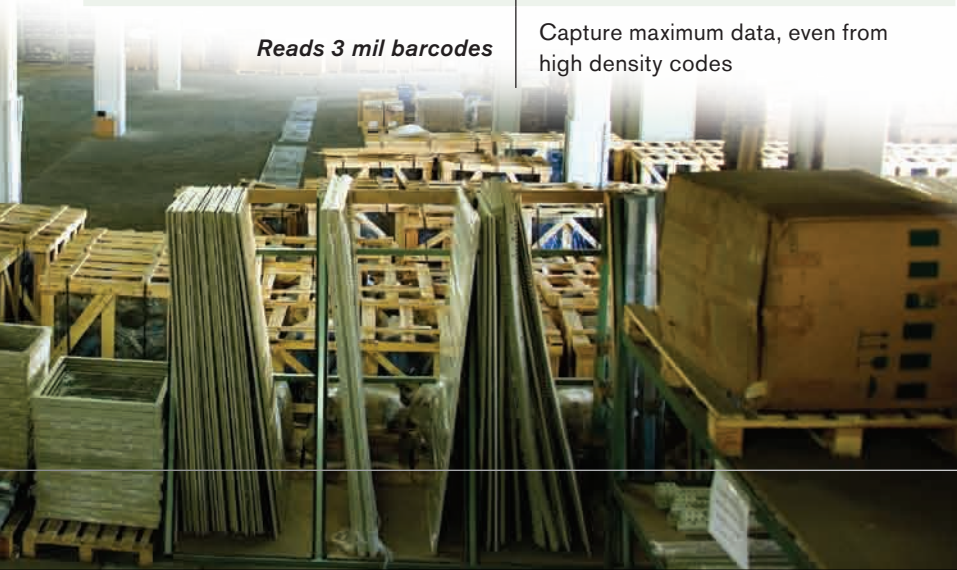
1704 FEATURES	USER BENEFITS
<i>Built for harsh work conditions, drop tested to 1.8 meters, sealed to IP54</i>	Productivity in extreme temperature, humidity situations. Maximized service life for highest return on investment, lowest cost of ownership.
<i>High-resolution scanning engine captures documents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



Reads 3 mil barcodes

Capture maximum data, even from high density codes

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	3 mil 1D	6.67 mil 2D	5 mil 1D	6.67 mil 2D
	Depth of field at 80% MRD	Code 39	3 mil 6.4 to 12 cm / 2.5 to 4.72 in.	—	
		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	<i>1D symbology:</i> Codabar, Code 11, Code 39, Code 93, Code 128, Discrete 2 of 5, Interleaved 2 of 5, MSI, RSS, UPC/EAN, UPC/EAN128 <i>2D symbology:</i> Aztec and composites, DataMatrix, Maxicode, PDF417, QRCode <i>Postal codes:</i> 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 (included), by direct connection or printing out barcode settings				
Accessories	Power Hood				
Warranty	3 years / engine 1 year				



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

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