THE SCAN IS JUST THE START
V4500

Rugged design
Seamless Experience

Start up in seconds. Do data differently.
Scan tiny, shiny, curvy barcodes and digitize data with ease.

CAPTURE DATA

EXCHANGE DATA

MANAGE DATA

OPEN IT UP.
POWER IT ON.
GET IT DONE

SCAN
Conquer tiny barcodes and hard to read surfaces with high-perfomance scanning

CONNECT
Change settings right on the scanner with dynamic screen visual representation

CONFIGURE
Easily parse and manage data to transform traditional workflows

Get better visibility in your facility
Ruggedized performance, purpose-built for manufacturing, warehouses and the toughest industrial environments.

Get Better With Brady

- ► Replace traditional data entry
- ► Remove excess work movement
- ► Easily scan tough to read tiny, shiny, curvy surfaces
- ► Strong Bluetooth BLE 5.0
- ► Industrial ruggedization
- ► Battery life that lasts a full shift with over 75,000 scans

V4500 Scanner & Kits

Catalog#	Description
177229	V4500 Kit - Scanner, Cradle, Battery, AC Adapter, USB (1m) Cable, Power Cord
177233	V4500 Scanner
177231	V4500 Only Kit - Scanner, Battery

V4500 Accessories

	Catalog#	Description
	177230	V1100 Kit - Spare Charger, 2 Batteries, AC Adapter, Power Cord
	177232	V1300 Only Kit - Cradle, AC Adapter, USB (1m) Cable, Power Cord
	177234	V1200 Battery
	177235	V1300 Cradle
	177236	V1100 Spare Battery Charger
	177237	USB Cable (1M)
	177238	USB Cable (2.8M)
	177239	RS232 Cable (1M)
	177240	RS232 Cable (2.8M)
	177241	AC Adapter
	177242	Power Cord

Physical characteristics

Scanner Dimensions	5.984 in. L x 3.386 in. W x 7.776 in. H (152mm X 86mm x 197.5mm)
Charging Station Dimensions	10.079 in. L x 4.449 in. W x 2.953 H (256mm x 113mm x 75mm)
Scanner Weight	1.166 lbs (529 g)
Charging Station Weight	1.018 lbs (462 g)
IP Rating	IP 65
Colors	Blue, Yellow and Gray
Display	Color LCD Screen Diagonal 2.4 inch
Keypad	22 Keypads, alpha-numeric, 5 key directional pad, funtion keys

Performance characteristics

Field of View	High density field: 30° horizontal by 20° vertical; Wide field: 50° horizontal by 33.5° vertical
Focal Point	Approximately 3.9 in. (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	± 65° (from front to back)
Skew	± 60° from plane parallel to symbol (side-to-side)
Rotational Tolerance	± 180°
Symbol Contrast	15% minimum reflectance difference
Target Beam	Single blue targeting bar, 0.0000185" (470 nm)
Ambient Light Immunity	Sunlight: Up to 9,000 fc (96,890 lux)
Shock	MIL-STD-810G drop; multiple drops at 6'
Crush	250 lbs-ft
Bluetooth Radio Range	60m
User Indications	Lights, Sound and Vibration
Power Requirements	9VDC, Max 1.5A
Number of Scans	75,000+
Battery	Lithium Ion, 3.6V, 3300mAh
ESD Protection	15 kV air, 8 kV direct
Charge Station Communication Interfaces	USB 2.0 (Generic HID, HID Keyboard)
Scanner Communication	Bluetooth® 5 Low Energy (Class II)
Supported Host Interfaces	Keyboard Wedge, USB, RS232
Warranty	3 Years Scanner & Cradle; 1 Year Battery

User environment

Operating Temperature	-4° to 122° F (-20° to 50° C)
Storage Temperature	-22° to 150° F (-30° to 65° C)
Humidity	5% to 95% non-condensing
Decode Capability	1D: BC412, Codabar, Code 11, Code 32, Code 39, Code 93, Code 128, IATA 2 of 5, Interleaved 2 of 5, GS1 DataBar, Hong Kong 2 of 5, Matrix 2 of 5, MSI Plessey, NEC 2 of 5,Pharmacode, Plessey, Straight 2 of 5, Telepen, Trioptic, UPC/EAN/JAN Stacked 1D: Codablock F, Code 49, GS1 Composite (CC-A/CC-B/CC-C), MicroPDF, PDF417 2D: Aztec Code, Data Matrix, Data Matrix Rectangular Extension, Grid Matrix, Han Xin, Maxicode, Micro QR Code, QR Code, QR Model 1 Proprietary 2D: GoCode® (optional license required) Postal codes: Australian Post, Canada Post, Intelligent Mail, Japan Post, KIX Code, Korea Post, Post-Net, Planet, UK Royal Mail, UPU ID-tags
	Formats: JPEG or PGM
	High density or wide field
	JavaScript
	GS1, HIBC, driver's licenses and ID cards (optional license required)
Data Structure Validation	ISO15418, ISO15434, HIBC UDI
Environmental Regulatory	RoHS, REACH
Harsh Environment	WD-40, Lubricating Oil, Bearing Grease, Aluminum and Steel Cutting Oil, 99% Isopropyl Alcohol, Acetone, Ammonia Solution, Bleach
EMI/RFI	EN 55032, EN 55035, EN 62311:2008, EN 61000-3-2, EN 61000-3-3, EN 300328
Data Structure Validation	ISO15418, ISO15434, HIBC UDI

Typical working ranges

	3 mil Code 39	7.5 mil Code 39	10.5 mil GS1 Databar	13 mil UPC	5 mil DM	6.3 mil DM	10 mil DM	20.8 mil DM
Min inches	3.5" (90 mm)	0.9" (23 mm)	0.4" (10 mm)	0.7" (18 mm)	1.3" (33 mm)	0.9" (23 mm)	0.4" (10 mm)	0.7" (18 mm)
Max Inches	4.4" (112 mm)	6.8" (172 mm)	8.3" (210 mm)	10.6" (270 mm)	4.1" (105 mm)	5.5" (140 mm)	6.7" (170 mm)	13.1" (333 mm)

Note: Working ranges are a combination of both the wide- and high- density fields. All samples were high quality barcodes and were read along a physical center line at a 10° angle. Measured from the front of the read with default settings in metric units then converted to imperial units. Testing conditions may impact working ranges.

Learn more at BradyID.com/V4500 or scan to watch the overview video