4 Products ..... One Incredible Family:

1 DuraTrax

- Contact bar code reader
- Touch Memory button reader
- Display
- 128K RAM
- Scroll keys
- IR communications

2 LaserLite

- Laser bar code reader
- Display
- 128K RAM
- Scroll keys
- IR communications

3 LaserLite Pro

- Laser bar code reader
- Touch Memory button reader
- Display
- Alphanumeric keypad
- 256K RAM
- IR communications

4 LaserLite Mx

- Laser bar code reader
- Touch Memory button reader
- Display
- Alphanumeric keypad
- 256K RAM
- External memory cards up to 8MB
- Data editing capability on the reader
- IR communications

We've been manufacturing portable data collectors for a long time. When it came time to design a new family of products, Videx engineers started with a blank piece of paper and a list of customer requests. As a result, they gave special attention to three important design elements: a durable case, a simple-to-use yet long-lasting battery system, and common software for all four products.

We Wrote the Book on Durability

Let's face it—any portable data collector is bound to hit the floor now and again. In fact, our customers have dropped Videx readers down elevator shafts and run over them with trucks. Not intentionally, of course, but it can happen in the normal course of a busy workday. DuraTrax, LaserLite, LaserLite Pro, and LaserLite Mx are built to take it. With cases crafted of durable aluminum, these data collectors are ready for indoor or outdoor use: the office, field, warehouse, and manufacturing floor.

Non-Stop Battery Power

What can be more frustrating than getting part way through the workday and having to stop because your scanner's batteries need to be recharged? This won't happen with the LaserLite series. All four readers use standard AA alkaline batteries, which means you have *weeks of continuous use*—there is no down time waiting for the reader to recharge, no NiCad memory effect, no overcharging. The products are designed to consume power at a very low rate, giving you up to 100,000 scans from one set of batteries. You can check the voltage level on the reader's display at any time, and a back-up battery protects your data while changing batteries.

'Simple Software' is Not an Oxymoron

At least not with these products. You don't have to be a programmer to put DuraTrax, LaserLite, LaserLite Pro, and LaserLite Mx to work. We've created Application Builder software to be a simple and intuitive program so that just about anyone can get the readers ready to use and can transfer the collected data back to the PC. And all four readers use this same simple software, so that you can choose the best reader for each location.

A Windows 95, 98, & NT version is available for all four data collectors, and a Macintosh version is available for DuraTrax, LaserLite, and LaserLite Pro.

We haven't forgotten the programmers. For more complex applications, we've included a full set of developer's tools in the Application Builder kit: BASIC programming tools for enhancing the functions of the readers, and communications tools for creating a link between your application software and the Videx readers.

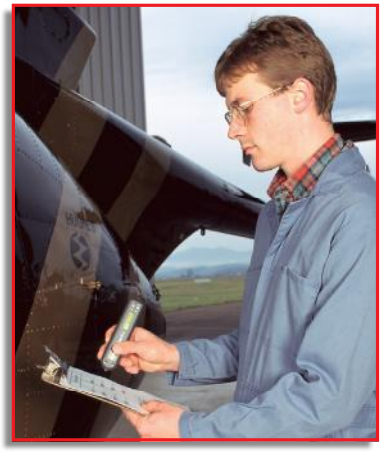
Getting Started—Step by Step

Step One: Create the Reader's Application

The first step is to create the application for the reader. You'll use our Application Builder software at your PC for this step. The design of the application is up to you; it may be two or three simple steps, or multiple applications with branching steps and loops. You can even create cross-reference files to load onto the reader so that more meaningful data can be displayed when a bar code is scanned.

Step Two: Load Your Application

Send your application to the Videx reader, and start scanning! With each scan or entry you make, the data is stored in the memory of the reader along with the date and time the entry was made.



Step Three: Transfer Your Data

Transfer the collected information back to your computer via the serial port, using either the Videx base station and serial cable, or the JetEye infrared transceiver. The data can be sent directly from the reader to the PC, or, with the base station, can be sent via modem from a remote location. Your collected data is stored on the PC as an ASCII text file, ready for use in any database or application program.

Bar Codes, Touch Memory Buttons, or Both?

An excellent question. Bar codes are easy to understand. We all know by now that they save countless hours and reduce costs in businesses every day. What advantages do Touch Memory buttons offer? Three main ones. First, they're durable. With sealed stainless steel cases, you can safely put them outdoors and in the harshest environments. Second, there are no two buttons alike—each button has a unique ID. If you put a button at an inspection point, you know the person doing the inspecting was really there. Third, the read/write buttons have memory for data storage. You can store information on an item, such as a service history on a vehicle or machine, or a list of contents on a shipping container.

We decided to give you the best of both technologies: products that read bar codes and Touch Memory buttons.

A Few Application Examples

What do a security company, a hospital operating room, a casino, and a toy manufacturer have in common? Videx portable data collection systems! Read on . . .

In the wintertime, temperatures in northern Europe can plummet well below the comfort zone. Equipment used in this harsh setting needs to be as tough as the people using it. When a large Scandinavian *security company* needed a rugged data collector for their outdoor guard tours, they selected the DuraTrax. The DuraTrax is a robust tool, able to withstand the rigors of the outdoors. The guards read Touch Memory buttons to record their arrival time at each checkpoint, and then enter additional checkpoint information from a bar-coded menu.

In a *hospital operating room*, organization is critical. All the right people can be gathered, but if a surgical kit is missing or incomplete, the procedure is delayed or even postponed. It's a fairly simple problem with serious repercussions. One medical equipment manufacturer has solved the problem with a LaserLite-based tracking system. Due to its small size and ease of use, LaserLite is used by hospital staff to track the sterilization, repackaging, storage, and delivery of all the surgical kits.

A *casino* never sleeps, and neither does the LaserLite Pro. Twenty-four hours a day, seven days a week, a Nevada casino uses LaserLite Pros to record bonus points earned by their VIP customers. The casino's number one priority was to find the data collector with the best non-stop performance. What they found was LaserLite Pro. The result? Efficiency and accuracy for the casino staff, and, most importantly, happy VIP customers.

The showroom of a large *toy manufacturer* is a dynamic place: salespeople meet with retailers as they view the merchandise on display. In this setting, the ability to enter orders on the show floor is a must! The LaserLite Mx does the job. Not just a data collector, the Mx is the complete order entry tool that the salespeople need. It has the memory and processing power to store all customer and inventory files, process sales transactions, and update customer and inventory information—all in a small, portable handheld package.

CAUTION

LASER LIGHT
DO NOT STARE INTO BEAM

1.0 MILLIWATT
MAXIMUM OUTPUT
CLASS II LASER PRODUCT

Specifications

	DuraTrax	LaserLite	LaserLite Pro/Mx
Case	Aluminum; weather-resistant	Aluminum; weather-resistant	Aluminum; weather-resistant
Weight	8.8 oz (249.5 g)	11.5 oz (326 g)	13.5 oz (383 g)
Width	1.47" (37.3 mm)	1.47/1.90" (37.3/48.3 mm)	1.75/1.95" (44.5/49.5 mm)
Depth	1.06" (26.9 mm)	1.06/1.90" (26.9/48.3 mm)	2.19" (55.6 mm)
Length	6.25" (158.8 mm)	7.18" (182.4 mm)	7.61" (193.3 mm)
Memory	128K RAM	128K RAM	128K flash ROM; 256K RAM Mx only: up to 8MB with SSFDC cards
Capacity	3,550 5-character bar codes or 2,600 button IDs with date & time	3,550 5-character bar code scans with date & time	8,200 5-character bar codes or 6,000 button IDs with date & time
Keypad	Scan, scroll	Scan, scroll	32 keys; alphanumeric
Display	2-line x 16-character	2-line x 16-character	2-line x 16-character
Indicators	Audible tones, good read LED, display messages	Audible tones, good read LED, display messages	Audible tones, good read LED, display messages
Battery, primary	4 AA alkaline	4 AA alkaline	4 AA alkaline standard; rechargeable NiCad or NiMH optional
Battery, back-up	Rechargeable 10 year lithium	Rechargeable 10 year lithium	Rechargeable 10 year lithium
Clock	Internal real-time & date	Internal real-time & date	Internal real-time & date
Input	Contact bar code & Touch Memory	Laser bar code	Laser bar code, Touch Memory, & keypad
Bar code scan range	Contact	2.5" to 24" standard; optional laser engines available	2.5" to 24" standard; optional laser engines available
Resolution	Minimum 0.0075" narrow element	Minimum 0.0055" narrow element	Minimum 0.0055" narrow element
Optics	Visible, 655nm	Visible, 650nm +/- 10nm	Visible, 650nm +/- 10nm
Symbologies	Code 3 of 9, Code 128, UPC, EAN, Codabar, I-2 of 5	Code 3 of 9, Code 128, UPC, EAN, Codabar, I-2 of 5	Code 3 of 9, Code 128, UPC, EAN, Codabar, I-2 of 5
Touch Memory buttons	Dallas iButtons	NA	Dallas iButtons
Read ID only	1990, 1991		1990, 1991
Read ID & data	1982, 1985, 1986		1982, 1985, 1986
Read & write	1992 through 1996		1992 through 1996
Data storage	Bar code/button data; origin/family code; date & time	Bar code data; origin code; date & time	Bar code/button data; origin/family code; date & time
Output	ASCII text	ASCII text	ASCII text
Storage temperature	-4° to 140° F; -20° to 60° C	-4° to 140° F; -20° to 60° C	-4° to 140° F; -20° to 60° C
Operating temperature	32° to 122° F; 0° to 50° C	32° to 122° F; 0° to 50° C	32° to 122° F; 0° to 50° C
Humidity	5 to 95% noncondensing	5 to 95% noncondensing	5 to 95% noncondensing

Downloader Base Stations:

Number of readers	DuraTrax, LaserLite - 2 LaserLite Pro, LaserLite Mx - 1
Dimensions	4.0 x 4.0 x 1.8" (102 x 102 x 46 mm)
Weight	7.4 oz (210 g)
Power supply adaptors	120v/60 Hz or 220v/50 Hz
Indicator lights	Transmit, Receive, Power; plus Charge for LaserLite Pro/Mx
Connection ports	RS-232, RJ-11 connector
Serial communication	Infrared to reader

Warranty

All Videx manufactured equipment is covered by a one-year new product warranty.

Touch Memory Buttons:	DS 1990	DS 1994
Water-resistant, stainless steel case	✔	✔
Diameter 0.64"/0.68" flange (16.3/17.4 mm)	✔	✔
Height: 0.12" (3.2 mm)	✔	
0.23" (5.9 mm)	✔	✔
Weight 0.06 oz (1.6 g); 0.09 oz (2.5 g)	✔	
0.12 oz (3.3 g)		✔
Operating temperature -40° to 185° F (-40° to 85° C)	✔	
Operating temperature -4° to 158° F (-20° to 70° C)		✔
Unique 12-character serial number	✔	✔
4K-bit memory for data storage		✔
Battery	None	Lithium
Battery life	NA	10 years

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