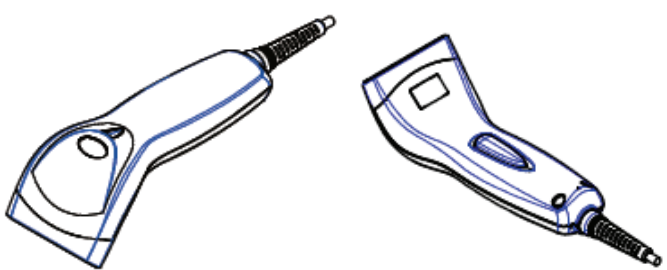
















## Z-3220 Handheld Linear Image Scanner

32 Bit  
Ultrascan Decoding Technology

### Standard Device

|  | PIN-OUT CONFIGURATION |                |                 |        |
|---|-----------------------|----------------|-----------------|--------|
|   | MODULE JACK_PIN#      | Keyboard Wedge | RS-232C         | USB    |
|   | #1                    | N/C            | RTS (TTL level) | N/C    |
|   | #2                    | Keyboard_Data  | N/C             | USB_D+ |
|   | #3                    | PC_Clock       | N/C             | USB_D- |
|   | #4                    | Ground         | Ground          | Ground |
|   | #5                    | N/C            | CTS (TTL level) | N/C    |
|   | #6                    | N/C            | RXD (TTL level) | N/C    |
|   | #7                    | Keyboard_Clock | N/C             | N/C    |
|   | #8                    | PC 5V          | N/C             | USB 5V |
|   | #9                    | PC_Data        | N/C             | N/C    |
| #10   | N/C                   | TXD(TTL level) | N/C             |        |

### Ordering Information

|   |                |                |   |
|---|----------------|----------------|---|
|  | 88H-200000-000 | Z-3220         | White housing (device only, w/o cable)                    |
|  | 88H-200000-001 | Z-3220 (B)     | Black housing (device only, w/o cable)                    |
|  | 88H-2000KP-000 | Z-3220 (K)     | White housing w/PS/2 cable                                |
|  | 88H-2000KP-001 | Z-3220 (K)(B)  | Black housing w/PS/2 cable                                |
|  | 88H-2000RP-000 | Z-3220 (R)     | White housing w/RS-232 cable (DTE pin-out)                |
|  | 88H-2000RP-001 | Z-3220 (R)(B)  | Black housing w/RS-232 cable (DTE pin-out)                |
|  | 88H-2000UB-000 | Z-3220 (U)     | White housing w/USB cable                                 |
|  | 88H-2000UB-001 | Z-3220 (U)(B)  | Black housing w/USB cable                                 |
|  | 88H-2000RP-0NB | Z-3220 (R)     | White housing w/RS-232 cable (DTE pin-out) w/o ZEBEX logo |
|  | 88H-2000RP-0N1 | Z-3220 (R)(B)  | Black housing w/RS-232 cable (DTE pin-out) w/o ZEBEX logo |
|  | 88H-2000UB-0NB | Z-3220 (U)     | White housing w/USB cable w/o ZEBEX logo                  |
|  | 88H-2000UB-0N1 | Z-3220 (U)(B)  | Black housing w/USB cable w/o ZEBEX logo                  |
|  | 88H-2000UR-000 | Z-3220 (UR)    | White housing w/USB Virtual COM Interface                 |
|  | 88H-2000UR-001 | Z-3220 (UR)(B) | Black housing w/USB Virtual COM Interface                 |

# [ Buyer's Guide ]

## Cable Options

- The standard cable is gray, straight, and 2 meters (6.5 feet) in length.
- The standard cable options include PS/2, RS-232, and USB cable.
- Special Order Requirement:  
ZEBEX is capable of supplying special customized cables, given that customers provide detailed pin configurations. Please contact your sales representative to further discuss the minimum order quantity of the special cables.

### 1. Keyboard Wedge Cable (for PS/2)

|                                     |  | PIN-OUT CONFIGURATION |          |             |          |
|-------------------------------------|--|-----------------------|----------|-------------|----------|
|                                     |  | MINI DIN (M)          |          | MINI DIN(F) |          |
| <b>Item Part No.</b> 171-10K102-200 |  | 1.                    | PC Data  | 1.          | KB Data  |
|                                     |  | 2.                    | N.C.     | 2.          | N.C.     |
|                                     |  | 3.                    | GND      | 3.          | GND      |
|                                     |  | 4.                    | +5V      | 4.          | +5V      |
|                                     |  | 5.                    | PC Clock | 5.          | KB Clock |
|                                     |  | 6.                    | N.C.     | 6.          | N.C.     |

### 2. RS-232C Communication Cable (DTE pin out)

|   |  | PIN-OUT CONFIGURATION |           |
|---|--|-----------------------|-----------|
|   |  | DB-9 (F)              | FUNCTION  |
| <b>Item Part No.</b> 171-10R442-200<br><br>171-10R443-200 |  | 2                     | TX        |
|   |  | 3                     | RX        |
|   |  | 7                     | CTS       |
|   |  | 8                     | RTS       |
|   |  | 5                     | GND       |
|   |  | 9                     | +5V Input |

### 3. RS-232C Communication Cable (DCE pin out) (non-standard option)

|   |  | PIN-OUT CONFIGURATION |           |
|---|--|-----------------------|-----------|
|   |  | DB-9 (F)              | FUNCTION  |
| <b>Item Part No.</b> 171-10R432-200<br><br>171-10R433-200 |  | 2                     | RX        |
|   |  | 3                     | TX        |
|   |  | 7                     | RTS       |
|   |  | 8                     | CTS       |
|   |  | 5                     | GND       |
|   |  | 9                     | +5V Input |

# [ Buyer's Guide ]

## 4. HID USB / Virtual COM USB / OPOS USB Interface with Detachable Cable Type A

|               |                | PIN-OUT CONFIGURATION |          |
|---------------|----------------|-----------------------|----------|
|               |                | USB TYPE A CONNECTOR  | FUNCTION |
|               |                | 1.                    | VCC      |
|               |                | 2.                    | D-       |
|               |                | 3.                    | D+       |
| 4.            | VSS            |                       |          |
| Item Part No. | 171-10U303-200 |                       |          |
|               | 171-10U302-200 |                       |          |

\* Additional software or special firmware may be required for activating virtual COM or OPOS USB interface.

### Power Adapter

Z-3220 requires a minimum of 110mA at 5 VDC power and consumes power from the host machine. If the host can not supply sufficient power, ZEBEX provides adapters of the following plug types:

| UK Plug | US Plug | Australian Plug | European Plug | Korean Plug |
|---------|---------|-----------------|---------------|-------------|
|         |         |                 |               |             |

\* The figures are for reference only. The adaptor form factor is subject to change without prior notice.