



### High Performance, Highly Intelligent Long Range Linear Imager for Distant Bar Code Capture!

- Highly intelligent DynaTrack system to read bar codes with poor printing contrast or quality
- Bright aiming line for a distance of **12"** reading and visibility
- High speed scanning, **300 scans/sec**, for snappy bar code capture
- Built-in flash memory for **Field Upgrade** to ensure investment guaranty
- **All-in-one** universal host interface for more than 60 host machines, including **USB**, Notebook PC & IBM ThinkPad keyboard Direct-link
- Capable of Automatic Caps-lock detection & Composed-key emulation
- Unique **NeuroFuzzy** decoding engine for +/- 200% bar code image tolerance readability
- Useful Windows utility, **FuzzyScan PowerTool.NET**, capable of performing on-screen configuration, program upgrade, and on-line diagnosis
- Embedded outstanding **DataWizard** to meet most data editing requirements

The all new **FuzzyScan** FBC6860 series Long Range Linear Imager, **DynaTrack**, has set up a new standard as the best cost-performance ratio solution for Aim-and-Shoot data capture application. Equipped with the innovative **DynaTrack** ( patent pending ) system, the FBC6860 automatically captures the best possible bar code image through intensive controls among the illumination, image capture, and image processing systems. Advanced optical design gives bright and sharp aiming line, just like laser beam. This has actually brought the FBC6860 **DynaTrack** into the application territory used to be considered for laser scanner only! The famous NeuroFuzzy decoding platform is now further enhanced by the **DynaTrack** system to give snappy and accurate readings on various real world bar codes, i.e. poor printing contrast or quality. All these have made the new FBC6860 **DynaTrack** series the best performer among its class.

To work with widely spread host systems in the field, the FBC6860 **DynaTrack** series are designed with universal interface feature. Through easy configuration set up and cable change, the FBC6860 **DynaTrack** series can instantly be switched from one host to the other. This feature has been proofed to save more than 50% inventory capital investment for distributors. Not to mention the extra flexibilities provided for corporate users where various host systems are used.

While continuously adding new functions and features, PC Worth never leaves our worldwide partners aside. Via the most advanced electronic technology, the **FuzzyScan** family has been implemented with flash memory for years. Teamed with the most user-friendly Windows based software utility, the **FuzzyScan PowerTool.NET**, in the worldwide AIDC industry, every single unit of the FBC6860 **DynaTrack** used in any place in the world can be upgraded with our most recent release easily via simple upgrade tool set. This is just part of the long-term commitment we made to support our products worldwide.

The all new **FuzzyScan** FBC6860 series with **DynaTrack** , the best choice for serious bar code reader users!





Superb bright aiming line for a distance of 12" visibility & reading



Smart options of special texture treatment and different color choice



Elegant Optional Hand-Free Stand for Counter Top Applications



User replaceable interface cable converter to use with various host machines

<b>PCS</b>	Typical 0.3 (0.26mm Resolution)	
<b>Resolution</b>	Typical 0.1mm(4 mil), 0.089mm(3.5mil) capture is possible.	
<b>Depth of Field</b>	<ul style="list-style-type: none"> <li>▪ 0.127mm (5mil) resolution, Up to 4-5 inches (Code 39, PCS=0.9)</li> <li>▪ 0.33mm (13mil) resolution, up to 7-8 inches (Code 39, PCS=0.9)</li> <li>▪ 0.66mm (26mil) resolution, up to 10-12 inches (Code 39, PCS=0.9)</li> <li>▪ 1.0mm (40mil) resolution, up to 16-18 inches (Code 39, PCS=0.9)</li> <li>▪ 1.375mm(55mil) resolution, up to 18-20 inches (Code 39, PCS=0.9)</li> </ul>	
<b>Scan Engine</b>	Long range linear Dynatrack imager with 300 scan/sec scanning speed	
<b>Power Consumption</b>	<ul style="list-style-type: none"> <li>▪ Low Power Standby : Maximum 1mA</li> <li>▪ Regular Operation : Typical 150mA (without interface cable converter)</li> </ul>	
<b>Readable Bar Code Symbologies</b>	<ul style="list-style-type: none"> <li style="width: 50%;">▪ Codabar &amp; NW-7</li> <li style="width: 50%;">▪ Code 128 &amp; UCC/EAN-128</li> <li style="width: 50%;">▪ Code 39 &amp; Full ASCII Code 39</li> <li style="width: 50%;">▪ Code 11 &amp; Code 93</li> <li style="width: 50%;">▪ Code 32 &amp; IATA</li> <li style="width: 50%;">▪ German ITF Postal Code</li> <li style="width: 50%;">▪ UPC/EAN/JAN/CAN w/Addendum</li> <li style="width: 50%;">▪ Mainland China Postal Code</li> <li style="width: 50%;">▪ Standard &amp; Industrial 2 of 5</li> <li style="width: 50%;">▪ Telepen (Numeric &amp; Full ASCII)</li> <li style="width: 50%;">▪ Interleaved &amp; Matrix 2 of 5</li> <li style="width: 50%;">▪ MSI/Plessey &amp; UK/Plessey</li> </ul>	
<b>Operating Modes</b>	<ul style="list-style-type: none"> <li style="width: 25%;">▪ Toggle mode</li> <li style="width: 25%;">▪ Flash mode</li> <li style="width: 25%;">▪ Force mode</li> <li style="width: 25%;">▪ Alternative mode</li> <li style="width: 25%;">▪ Trigger mode</li> <li style="width: 25%;">▪ Level mode</li> <li style="width: 25%;">▪ Diagnostic mode</li> <li style="width: 25%;">▪ Low power mode</li> </ul>	
<b>Host Interfaces</b>	<b>Lite Version</b>	<ul style="list-style-type: none"> <li>▪ Dedicated PC/XT, PC/AT, PS/2 keyboard wedge : <b>FBC-6820</b></li> <li>▪ Dedicated standard RS-232 serial interface : <b>FBC-6830</b></li> <li>▪ Dedicated USB keyboard interface : <b>FBC-6840</b></li> </ul>
	<b>Gold Version</b>	<ul style="list-style-type: none"> <li>▪ IBM PC/XT, PC/AT, PS/2 keyboard wedge</li> <li>▪ Generic PC/AT and PS/2 keyboard direct-link</li> <li>▪ Generic Notebook PC keyboard direct-link</li> <li>▪ Apple MAC and Power MAC ADB keyboard wedge &amp; direct-link</li> <li>▪ Standard/TTL RS-232 peer-to-peer serial interface</li> <li>▪ Standard/TTL RS-232 serial wedge</li> <li>▪ Pseudo (Inverted) RS-232 serial interface</li> <li>▪ Laser emulation &amp; Wand emulation</li> <li>▪ Cino OmniKey &amp; VersaNet direct-link</li> <li>▪ IBM SourOne keyboard wedge &amp; serial interface</li> <li>▪ USB keyboard direct-link</li> <li>▪ IBM ThinkPad keyboard wedge &amp; direct-link</li> </ul>
	<b>Jade Version</b>	<ul style="list-style-type: none"> <li>▪ All host interfaces of Gold model are available for Jade model.</li> <li>▪ IBM PS/55 &amp; PS/V keyboard wedge</li> <li>▪ Hitachi Flora KB1100 &amp; KB3100 keyboard wedge</li> <li>▪ DOS/V keyboard wedge &amp; direct-link</li> <li>▪ Fujitsu FMV keyboard wedge</li> <li>▪ NEC NX notebook keyboard direct-link</li> <li>▪ NEC PC-98xx keyboard wedge</li> <li>▪ Kana-key detection is available for several host interfaces.</li> </ul>
	<b>Diamond Version</b>	<ul style="list-style-type: none"> <li>▪ All host interfaces of Jade model are available for Diamond model.</li> <li>▪ Wyse, DEC, IBM, and Bull terminal keyboard wedge</li> <li>▪ Various OCIA interfaces &amp; IBM 4683/4694 interface</li> <li>▪ Diamond model only available for OEM/ODM request.</li> </ul>
<b>Configuration Setup</b>	<ul style="list-style-type: none"> <li>▪ Bar code programming manual</li> <li>▪ Windows utility - FuzzyScan PowerTool.NET (<b>Universal models only</b>)</li> </ul>	
<b>Data Editing</b>	<ul style="list-style-type: none"> <li>▪ Condensed DataWizard via bar code programming manual</li> <li>▪ Full-feature DataWizard via FuzzyScan PowerTool.NET (<b>Universal models only</b>)</li> </ul>	
<b>Special Features</b>	Built-in flash memory for Field Upgrade via FuzzyScan PowerTool.NET ( <b>Available for all Universal models</b> )	
<b>Cable Structure</b>	<ul style="list-style-type: none"> <li>▪ Lite model : Dedicated main cable with specified connector</li> <li>▪ Universal model : Universal main cable to use with various cable converters</li> </ul>	