

## FBC6000 Series

The high performance, ergonomic, bar code linear imager.



- Highly intelligent DynaTrack system to reader bar code with poor printing contrast or quality
- Bright aiming line for user 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 FBC6800HD series Long Range Linear Imager, DyanTrack, has set up a new standard as the bestcost-performance ratio solution for Aim-and-shoot data capture application. Equipped with the innovative DyanTrack ( patent pending )system, the FBC6800HD automatically capture 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 FBC6800HD DyanTrack into the application territory used to be considered for laser scanner only!

The famous Neuro Fuzzy decoding platform is now further enhanced by the DyanTrack 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 FBC6800HD DyanTrack series the best performer among its class. Aimed at high-density data capture, the FBC6800HD series are designed with extra delicate optics. In applications of high-density labels in electronic and fine jewelry industries, the FBC6800HD can easily capture the bar image with elegant aiming line. Up to 2.7-mil reading resolution, FBC6800HD is

pushing the reading performance to top of its class.

To work with wide-spread host systems in the field, the FBC6800HD DyanTrack series are designed with universal interfacs feature. Through easy configuration set up and cable change, the FBC6800HD DyanTrack 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 corporate users where ivarious host systems are used.

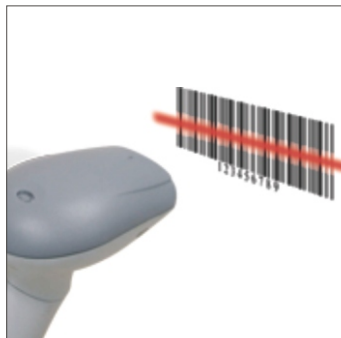
While continuously adding new functions and features, PC Worthnever leaves our worldwide partners aside. Via the most advanced electronic technology, the FuzzyScan family has been implemented with flash memory for years. Teamed with the most user-friendly Windows based software utility, the FuzzyScan Power.NET, in the worldwide AIDC industry, every single unit of the FBC6800HD DyanTrack 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 FBC6800HD series with DynaTrack, the best choice for serious bar code reader users!





# FBC6000 Series Specification Highlights



Superb bright aiming line for user visibility



Elegant Optional Hand-Free Stand for Counter Top Application



User replaceable interface cable converter to use with various host machines



Cable replacement solution for Legacy Output (PS/2 keyboard, RS 232, USB keyboard and USB Serial)

## Optical

Optical System	Linear Imager Architecture	
PCS	Typical 0.3 (0.26mm Resolution)	
Resolution	HD : Up to 3mil (Code39, PCS=0.9) LR : Typical 4mil (Code39, PCS=0.9)	
Depth of Field (Code 39, PCS=0.9)	<b>High-density Model (FBC68xxHD)</b> 3 mil (0.076mm) Resolution: up to 3-4 inches 4 mil (0.1mm) Resolution: up to 4-5 inches 5 mil (0.127mm) Resolution: up to 5-6 inches 10 mil (0.25mm) Resolution: up to 7-8 inches 20 mil (0.50mm) Resolution: up to 9-10 inches	<b>Long-range Model (FBC68xxLR)</b> 4 mil (0.1mm) Resolution: up to 4-5 inches 5 mil (0.127mm) Resolution: up to 5-6 inches 10 mil (0.25mm) Resolution: up to 8-9 inches 13 mil (0.33mm) Resolution: up to 10-12 inches 20 mil (0.50mm) Resolution: up to 12-14 inches
Light Source	630nm visible red LED	
Scan Engine	Dynamic scanning rate up to 300 scans/sec	
Reading Direction	Bi-directional (forward and backward)	
Tilt Angle	Forward and backward : Typical 2 - 20 ; Left and right : Typical 0 - 15 ; Rotation : 15 ; Curvature : R=25mm (ENA13, PCS=0.9, 13 mi)	
Ambient Light Conditions	Up to 100,000 lux	
Readable Bar Code Symbologies	Codabar & NW-7 Code 39 & Full ASCII Code 39 Code 32 & IATA UPC/EAN/JAN/CAN w/Addendum Standard & Industrial 2 of 5 Interleaved & Matrix 2 of 5 GS1 DataBar (RSS) - Limited/Expanded	Code 128 & UCC/EAN-128 Code 11 & Code 93 German ITF Postal Code Mainland China Postal Code Telepen (Numeric & Full ASCII) MSI/Plessey & UK/Plessey

## Operational

Operating Modes	Toggle mode Trigger mode	Force mode Diagnostic mode	Flash mode Level mode	Alternative mode Low power mode
Host Interfaces	FBC6860 Series	IBM PC/XT, PC/AT, PS/2 keyboard wedge Generic PC/AT and PS/2 keyboard direct-link Generic Notebook PC keyboard direct-link Apple MAC and Power MAC ADB keyboard wedge & direct-link Standard/TTL RS-232 peer-to-peer serial interface Standard/TTL RS-232 serial wedge Pseudo (Inverted) RS-232 serial interface Laser emulation & Wand emulation Cino OmniKey & VersaNet direct-link IBM SourOne keyboard wedge & serial interface USB keyboard direct-link IBM ThinkPad keyboard wedge & direct-link	FBC6870 Series	All host interfaces of Gold model are available for Jade model. IBM PS/55 & PS/4 keyboard wedge Hitachi Flora KB1100 & KB3100 keyboard wedge DOS/4 keyboard wedge & direct-link Fujitsu FMV keyboard wedge NEC NX notebook keyboard direct-link NEC PC-98xx keyboard wedge Kana-key detection is available for several host interfaces.
Configuration Setup	Bar code programming manual Windows utility - FuzzyScan PowerTool.NET			
Data Editing	Condensed DataWizard via bar code programming manual Full-feature DataWizard via FuzzyScan PowerTool.NET			
Special Features	Built-in flash memory for Field Upgrade via FuzzyScan PowerTool.NET			
Cable Structure	Detachable Interface cable			

## Electronical

Power Consumption	Low Power Standby : Less than 1mA Regular Operation : Typical 150mA (without interface cable)
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Doc No. DBR-A50304-002