

EXACTA[®] PICTUREVIEW[™]

Pick/Put-To-Display (PTD) Technology



WHAT IS PICTUREVIEW[™] ?

PictureView[™] PTD devices represent the latest technology for picking and putting products. PictureView[™] utilizes a bright color OLED (Organic Light Emitting Diode) display screen for unsurpassed image and text viewing. You now have the ability to show product images, special instructions, and other critical compliance information. PictureView[™] also incorporates voice technology to help instruct or prompt the operator. PictureView[™] devices can be mounted in an infinitely adjustable bus bar or can be used as an independent mobile device on a standard wireless LAN.

APPLICATIONS

PictureView[™] is most commonly used in the picking and putting operations within distribution centers. PictureView[™] is also beneficial in the assembly lines within manufacturing operations. With PictureView[™], the assembly rate and accuracy is increased significantly. Below are examples of applications where PictureView[™] is used.

Distribution Environment



- Sortation "Put-to-Light"
- "Put" sort bars
- Carousel light towers
- Pallet picking
- Work in process instructions
- Shelving picking
- Smartcart[™] - wireless cart
- Batch "Put-To-Light" into totes or cartons
- Returns
- Kit building operations

Manufacturing/ Assembly



- Kan ban systems
- Assembly instructions
- Overhead conveyors
- Product information
- Supplemental information

Pharmaceutical/ Pharmacy



- Time savings for pharmacist
- Eliminate picking areas
- Prescription control
- Expiration date control
- Lot control
- Positive verification
- Patient health profile confirmation
- Order status
- Patient history

Food Preparation



- Individual displays
- High speed custom menus
- Hospital special meals
- Custom order food preparation
- Special instructions
- Batch processing
- Positive confirmation

Controls & Diagnostics



- Remote Human Machine Interface (HMI)
- Custom graphic screens
- Alert & alarm capabilities
- Remote diagnostics

FEATURES

- Bright and easy to read color OLED (Organic Light Emitting Diode) display screen for unsurpassed picking / putting visibility
- Easy to learn, with multilingual capability
- Plug and play configurations for easy set-up and diagnostics
- XML based ethernet communications protocol
- Made industrial tough to provide years of reliable use
- 802.11 based wireless communications (Wi-Fi)
- ODBC database compliant for Oracle, SQL Server, or MySQL
- Continuous running device diagnostics
- UL approved power supply
- Safe 24 V DC power
- Color coded for multiple operators in a single picking zone
- Cooler and freezer application

BENEFITS

- The ability to view product images or detailed special instructions and diagrams
- Voice commands to instruct or prompt the operators
- Operator picking rates increased up to 350 to 450 lines per person-hour with overall accuracy exceeding 99.5%.
- Wireless mobile capability
- Real time feedback to the WMS or ERP on order status and inventory levels
- Extensive operator productivity reports to better manage your staff
- Can work in conjunction with handheld RF units, PDAs, or voice directed picking
- Designed for FDA controlled pharmaceutical environment - current good manufacturing practice regulations



CUSTOMIZATIONS

With the flexibility of PictureView™ PTD, you can create your custom displays to increase accuracy and speed of your picking/putting operations.



Custom color coding for faster and more accurate picking



Custom warning for all critical /hazardous materials within your operations



Icons to represent exact bin locations with custom graphics

TECHNICAL SPECIFICATIONS	
Physical Dimensions	• Height 2.22 in, width 5.00 in, depth 1.23 in
Display	• Dimension: 2.16 inch diagonally bright color OLED • Viewing angle: up to 180 degrees • Resolution: 170 x 218 pixels • 16-bit color (64K colors) • Contrast ratio (500 lux): 100 minimum • Luminance: 120 cd/m3 minimum
Communication	• Wired: ethernet to hub • Wireless: 802.11b WiFi • Bus bar: CAN protocol
Formats / Protocol	• XML messaging, HTML screens, graphic images (.bmp files)
Processor	Dallas Semiconductor TINI Processor
Memory	Java
Power	• Battery – used for wireless capability • Battery type: NiMH • Battery Life: ~20 hours depending on usage • Recharging Time: 2-6 hours • Bus Rail power: 24 VDC, UL Listed power supply
Environment	• Operating Temperature: 20° to 120° F, Humidity: Up to 95%
Bus Bar	• 10' sections • Contact material: BeCu (corrosion resistant) • Infinite horizontal adjustment
Task Complete	• Local push button, external task complete input capable
Menu Buttons	Three (3) with user defined functionality
Voice and Audio Files	• .WAV files, integrated speaker
Diagnostics	• Continuous self diagnostics • Reports network errors on display • Manual reset to factory defaults
Response Time	Less than 250 mSec
Software Functionality	Batching individual picking, login security features, dynamic zoning for effective labor allocation, cycle counting functions, inventory adjustments, self test/diagnostics capability, wireless mobile capability, adjustable display light intensity, work in conjunction with RF handheld/PDA's

ASAPS COMPLETE RANGE OF PRODUCTS/SERVICES

- Warehouse design, consulting & 3D layout / modeling of the facility
- Warehouse Management System (WMS)
- RF terminals / RFID Systems / bar-coding systems
- Customized software development related to SCM
- Totally integrated automation system
 - PLC based automation
 - Drive interface & PC based automation (HMI)
 - Process automation & instrumentation
 - Low voltage control systems
 - Rectifiers, power solutions & transporter system
- Manufacturing of Special Purpose Machinery (SPM's)
- Providing complete range of material handling equipment (conveyors, pick & place system, storage systems etc.)
- Project management, installation, testing and training

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