

FCCD-620 Series



TYSSO®

Insist on the Best



Fixed Mount CCD Barcode Scanner

- Compact Size for Fixed Mount Embedded Scanning Application
- Reliable High Quality Scanning, Software Controlled Trigger or Push-Button Trigger Operation
- Supreme Compact CCD Photo-Module is Available for OEM/ODM
- Remote Control Programming: Remote programming by the computer via serial interface

FEATURES

The **FCCD-620** Series combine compact and durable construction with barcode CCD scanning technology for a rugged and reliable fixed-mount scanner that can also be used as an embedded module.

Used as fixed-mount scanners, the FCCD-620 Series are ideal for conveyer, library and document tracking applications.

The FCCD-620 Series are also ideal for embedded applications, such as banking ATM system, automatic test and processing equipment, and many other automated data entry devices.

SPECIFICATIONS

Optical Characteristic

- **Light Source** 660nm visible red LED
- **Sensor** CCD Sensor with 2048 pixels
- **PCS** Up to 0.45
- **Scan Rate** 100 scans/sec.
- **Ambient Light** 4000 Lux max. (Fluorescent)
- **Depth of Field** 4" (100mm) for 20 mil (0.50mm) barcode
- **Resolution** 4 mil (0.1mm)

Electrical Characteristics

- **Supply Voltage** DC +5V \pm 5%
- **Output Voltage(Typ.)** +5V Output
- **Voltage (Min.)** 4.75V
- **Logic High** Space/Bar (Optional)
- **Logic Low** Bar/Space (Optional)
- **Power Consumption**
 - Stand by (Max.) 30mA for TTL model, 40mA for Decoded model
 - Operation (Max.) 90mA for TTL model, 140mA for Decoded model
- **Power Enable Control** Active High

Environment

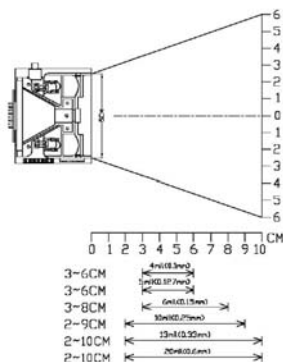
- **Operating Temperature** 0°C to 45°C
- **Storage Temperature** -20°C to 60°C
- **Relative Humidity** 20% to 85% (Non-condensing)
- **Shock** 1 meter drop on concrete surface

Performance

- **Scan Rate** 100 scans/sec (signal directional)
- **Width of Field** 47.5 mm + 0.59 x (Distance to Reader) mm
- **Depth of Field** 4 inch (100mm) max.
- **Resolution** 4mil (0.1mm)
- **PCS** PCS 0.45
- **Reading Angle** Test conditions: Code 39, 10mil, PCS0.9
 - Forward \pm 30 degree
 - Up & Down \pm 45 degree
 - Left & Right \pm 40 degree
- **Dead Zone** Up & Down 8 Degree

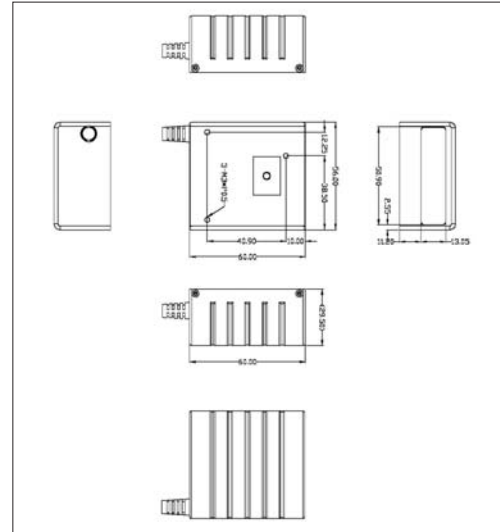
Decode Zone

- **Test Conditions** Code 39, PCS 0.9



Dimensions (Unit: mm)

- **TTL Model** 50.5mmL x 51.2mmW x 17.3mmH (CD-620 without housing)
- **Decoded Model** 56mmL x 60mmW x 29.5mmH (FCCD-620 with housing)



Physical Characteristics

- **Weight** 24g for TTL model and 33g for decoded model
- **Material** PC + Fiber

Functions

- **Decoded symbologies** Code 39, Code 32, Interleaved 2 of 5, Industrial 2 of 5, IATA, Matrix 2 of 5, China postage, Code 128, Code 11, Code 93, MSI-PLESSY, Codebar/NW7, Code 4, EAN-13/JAN-13, UPC-A, EAN-8/JAN-8, ISBN/ISSN
- **Scan mode** Trigger modes & Continuous modes
- **Programming** By user's manual or by software via RS-232 or keyboard
- **Host control** By providing trigger commands
- **Remote control programming** Remote programming via serial interface

Models

- **CD-620 []** (Without Housing)
 - Interface**
 - T : TTL
 - R : RS232
 - K : Keyboard
- **FCCD-620 []** (With Housing)
 - Interface**
 - R : RS232
 - K : Keyboard
 - U : USB



Manufacturer

FAMETECH INC.

2F, No. 165, Sec. 2, Ta-Tung Rd.,
Hsi-Chih 221, Taipei Hsien, Taiwan
Tel : 886-2-8692-6300
Fax: 886-2-8692-6301
E-Mail: tyssso@ms6.hinet.net
URL: http://www.famotech.com.tw