PostMark®

Point of Sale Terminal Camera Video Overlay System

Micros® Version

Description

PostMark® interfaces Micros® point of sale terminals (POS) with security cameras to produce a continuous overlay of transactions superimposed on the camera video output. PostMark® can either interface between a Micros® point of sale terminal and pole display or work standalone connected to a Micros® point of sale terminal.

Specifications

Dimensions:	5 $\frac{1}{2}$" x 3 $\frac{1}{2}$" x 1 $\frac{1}{4}$"
Weight:	7.8 oz.
Input voltage:	8.0 to 14.0 volts DC (60 ma max.)
DC plug:	2.1 mm x 5.5 mm, center tip positive
Operating temperature:	-10 C to +70 C
Text area:	28 columns by 11 rows (308 characters)
Text / background:	Adjustable brightness and translucent (see-through) levels
Video level:	1 volt peak to peak
Video impedance:	Input 75 ohm, output 75 ohm resistively terminated
TTL input:	9,600 baud, 8 data bits, 1 stop bit, inverted data

Installation

On the back of PostMark® there are five connectors (see figure 2.) Make the following hookups:

Connector	Hookup
VIDEO IN (optional)	• Attach noise free NTSC (or optional PAL) video source • Not required if self-generated screen mode selected
VIDEO OUT	• Attach to monitor, VCR, DVR, video transmitter, etc.
TERMINAL	• Attach using supplied cable to "customer display" port of Micros® POS terminal.
POLE DISPLAY (optional)	• Attach to pole display. • Not required
DC 8-14 V	• +8 to +14 volts DC (60 ma max.) • 2.1 mm x 5.5 mm DC coax plug, center tip positive • Wall power supply included

Fig 1.0 - Front view of PostMark®.

Fig 2.0 - Back view of PostMark®.

Configuration

PostMark® configuration is performed through an on-screen menu system which allows PostMark® to be tailored for the specific customer requirements. At any time press the "MENU" button to enter the on-screen menu configuration. The "UP, DOWN, and ENTER" buttons move the cursor and change the values (see figure 1).

Main Menu:

Menu Option	Action
Set Screen Parameters	Displays Screen Parameters Menu
POS Terminal	Select terminal type • Eclipse • Workstation 4
Save Changes and Exit	Save into non-volatile memory all options that have been changed
Discard Changes and Exit	Discard all the option changes that have been made since entering the menu

Screen Parameters Menu:

Menu Option	Action
Screen Mode	• SELF-GEN - PostMark® generates its own blue background screen. No camera required. • OVERLAY - Overlay the on-screen text on the incoming camera video source • OFF - Pass the camera video through without overlaying the on-screen text
Background Frame	• OFF - Do nothing • ON - Display a black frame behind the on-screen text
Translucent Text	• OFF - Do nothing • ON-Allows the on-screen text to be see-through (less intrusive)
Manual Adjustment	• OFF - Do nothing • ON - Allows the on-screen text and background brightness to be adjusted via internal potentiometers
Total Rows	The number of on-screen text rows that are displayed (1 - 11)
Horz Position	• LEFT - Left screen justify the on-screen text • CENTER - Center screen justify the on-screen text • RIGHT - Right screen justify the on-screen text
Vert Position	• TOP - Top screen justify the on-screen text • CENTER - Center screen justify the on-screen text • BOTTOM - Bottom screen justify the on-screen text
Exit to Main Menu	Exit to Main Menu

Trouble Shooting Tips

Problem	Solution
Green LED off (won't power up)	• Verify power supply output (8 to 14 VDC). • Verify polarity of supply to PostMark®. • Verify the 250 ma internal fuse is good.
Screen is unreadable	• Verify the PostMark® "VIDEO IN" has a valid, noise free, video signal.
Menu mode causes screen to freeze	• DVR doesn't support PostMark® self generated menu screen. Attach monitor directly to PostMark® VIDEO OUT for configuration.
Pole display off (won't power up)	• Verify pole display cable firmly plugged into PostMark®.

Warranty & Service

If the product fails to perform as described in our product description or specification, within 1 year from the date of shipment to the buyer, we will repair or replace the product and/or accessories originally supplied. Failure due to improper installation, misuse, abuse or accident is not covered by this warranty. Incidental and consequential damages are not covered by this warranty.

The buyer must obtain a Return Material Authorization by calling (248) 524-1918, and shipping the defective product to Intuitive Circuits LLC, 2275 Brinston, Troy, MI 48083, freight prepaid. After the warranty expires, we will promptly supply an estimate for the repair cost.

Intuitive Circuits, LLC

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