Setting and Programming of CamMobile4 with VSI-Pro, VSSI-Pro VSI-Pro Max

1. VSI-Pro Connection

The VSI-Pro accepts serial data via the DB9 female connector located on the rear of VSI-Pro. This connector is similar to computer (PC) RS232 serial port and the pin out is identical. The VSI-Pro will send data out as printable text in the ASCII Format.



Figure 1: POS interface VSI-Pro and connection diagram

1.1 Programming the menu of VSI-Pro

Access to the main menu by pressing and holding the "Up" and "Down" buttons simultaneously and the press and release the "Reset" button. Then release the "Up and "Down" buttons after you see the On-screen Main Menu. Push the "Up" or "Down" button to move the cursor to "Communication" menu and push the "Set" button. The menu below will pop up and set it as below.

COMMUNICATION

| - INTERFACE TYPE | RS-232 |
|------------------|-------------------------|
| - RX BAUDRITE | 9600 (Depending on POS) |
| - TX BAUDRITE | 9600 |
| - PARITY | NONE |
| - DATA BITS | 8 |
| - HAND SHAKE | OFF |
| - AUTO LINEFEED | ON |
| - EXIT | |
| | |

2. VSSI-Pro Connection

The VSSI-Pro accepts synchronous or asynchronous serial data via the DB9 female connected locate on the rear of VSSI-Pro. This connector is similar to computer (PC) RS232 serial port but the pin out is different. The most typical VSSI-Pro connection is between the ATM is SDLC BISYNC or ASYNC Network. This is done using the AVE Triport ATM 2CH cable with includes a connector output to connect to the CamMobile4.



Figure 2: ATM Interface VSSI-Pro and Connection diagram

2.1 Programming the Menu of VSSI-Pro

Access the main menu and use the "UP" and "Down" buttons to move the cursor to the communication menu and push "SET". The menu below will pop up and set it as below:

| COMMUNICATION | |
|--------------------|------|
| PORT | |
| RX BUADRATE | 9600 |
| TX BUADRATE | 9600 |
| PARITY | NONE |
| DATA BITS | 8 |
| AUTO LINEFEED | ON |
| EXIT | |

3. VSI-Pro Max Connection

The VSI-Pro Max accepts serial data via the DB9 female connector located on the rear of VSI-Pro Max. This connector is similar to computer (PC) RS232 serial port and the pin out is identical. The VSI-Pro Max is fully networkable with our "Vnetworker", "Hydra" and "Regcom" line of products. Consult the VSI-Pro Max Manual for additional information.



Figure 3: Connection Diagram of theCamMobile4 Interface with four VSI-Pro Max

NOTE:

The above diagram shows a fifth VSI-Pro Max or Hydra unit as the master. However, the VSI-Pro Max has the ability to be a POS/Cash Register Interface and a Master of the network system in one unit eliminating the fifth unit as a dedicated Master. However, when in this dual mode operation, the VSI-Pro Max can only interface to the POS in the "Tap" mode. If the requirement is that to operate in the "Emulate" mode then the fifth dedicated master is required.

3.1 Programming the Menu of VSI-Pro Max

Access the main menu and use the "Up" or "Down" button to move the cursor to the communication menu and push the "Set" button. The menu below will pop up and set it as below:

3.1.1 Programming VSI-Pro Max MASTER

| COMMUNICATION | |
|-------------------------------------|-------------------------|
| REGISTER SETTINGS | |
| - INTERFACE | RS-232 |
| - RX BAUDRATE | 9600 |
| - TX BAUDRATE | 9600 |
| - TX PROTOCOL | VSI-ADD |
| - PARITY | NONE |
| - DATA BIT | 8 |
| - HW HANDSHAKING | OFF |
| - SW HANDSHAKING | NONE |
| - AUTO LINEFEED | ON |
| - EXIT | |
| NETWORK SETTINGS | |
| - TYPE | MASTER |
| - ADDRESS | N/A |
| - PROTOCOL | REGCOM 9.6K |
| - BAUDRATE | 9600 |
| - EXIT | |
| 3.1.2 Programming VSI-Pro Max SLAVE | |
| COMMUNICATION | |
| REGISTER SETTINGS | |
| INTERFACE | RS-232 |
| RX BAUDRATE | 9600 (Depending on POS) |
| TX BAUDRATE | 9600 |
| TX PROTOCOL | ASCII |
| PARITY | NONE |
| DATA BIT | 8 |
| HW HANDSHAKING | OFF |
| SW HANDSHAKING | NONE |
| AUTO LINEFEED | ON |
| EXIT | |
| NETWORK SETTINGS | |
| TYPE | SLAVE |
| ADDRESS | 1 |
| PROTOCOL | REGCOM 9.6K |
| BAUDRATE | 9600 |
| EXIT | |

4. One VSI-Pro with VSI-Pro MAX Connection.



Figure 4: Connection Diagram between CamMobile4 and VSI-Pro and VSI-Pro Max

4.1 Programming the Menu of VSI-Pro Max

Access the main menu and use the "Up" or "Down" button to move the cursor to the communication menu and push the "Set" button. The menu below will pop up and set it as below.

4.1.1 Programming VSI-Pro Max MASTER

| COMMUNICATION | |
|-------------------|---------|
| REGISTER SETTINGS | |
| - INTERFACE | RS-232 |
| - RX BAUDRATE | 9600 |
| - TX BAUDRATE | 9600 |
| - TX PROTOCOL | VSI-ADD |
| - PARITY | NONE |
| - DATA BIT | 8 |
| - HW HANDSHAKING | OFF |
| - SW HANDSHAKING | NONE |
| - AUTO LINEFEED | ON |
| - EXIT | |

| NETWORK SETTINGS - TYPE - ADDRESS - PROTOCOL - BAUDRATE - EXIT | MASTER N/A VNET 9600 |
|---|-------------------------------|
| 4.1.2 Programming VSI-Pro Max SLAVE | |
| COMMUNICATION | |
| REGISTER SETTINGS | |
| - INTERFACE | RS-23 |
| - RX BAUDRATE | 9600 (Depending on POS) |
| - TX BAUDRATE | 9600 |
| - TX PROTOCOL | ASCII |
| - PARITY | NONE |
| - DATA BIT | 8 |
| - HW HANDSHAKING | OFF |
| - SW HANDSHAKING | NONE |
| - AUTO LINEFEED | ON |
| - EXIT | |
| NETWORK SETTINGS | |
| - TYPE | SLAVE |
| - ADDRESS | 1 |
| - PROTOCOL | VNET |
| - BAUD RATE | 9600 |
| - EXIT | |

4.1.3 Programming the VSI-Pro

COMMUNICATION - HANDSHAKE

ON

| POS | VSI-Pro, VSI-Pro Max (DB-9M) | CamMobile4 (DB-9M) |
|-------------|---------------------------------|-----------------------|
| TXD Pin 3 — | RXD Pin 2 | |
| | TXD Pin 3 | RXD Pin 3 |
| GND Pin 5 — | GND Pin 5 | GND Pin 5 |

Figure 5: Pin Out of the VSI-Pro or VSI-Pro Max to CamMobile4

DVR CamMobile4 Setting

1. Connect the VSI-Pro Max MASTER to the DVR (CamMobile4) using a cable 021-168-SF Com Port RS232.

2. Clicking the program icon on the desktop or by selecting Start / Programs / Cam Control LITE / Com Control LITE

3. Logon User-identification

| user na passwo | me XXXX rd XXXX | User-identification |
|------------------------|--------------------|------------------------------------|
| | | User name: Admin Password: **** |
| | | OK Cancel Help |
| | | |
| 4. Click, Dial button, | Dial | in the control panel |



5. Click Dial button in the Transmitter index.



| Trar | nsmitter index | | × |
|------------------|-------------------------|------------|--------|
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| Γ ^T . | ransmitter list (1/6000 |)() | |
| | 🤶 USB direct | connection | |
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| | | | |
| | Modify | Add | Delete |
| | | | |
| | Dial | Cancel | Help |
| | | | |

6. The central control panel, views and displays variations available.



Image quality:

You can adjust the quality of transmitted images in line with your requirements using the slider. Select a lower image quality for a higher refresh rate.



Adjusting the image display:

Image quality selected, the slider is supplemented on the left-hand side by an up/down control. This up/down Control for adjusting the image size is only provided for the normal view in connection with images displayed in an enlarged size. You can use this control to vary the display size of the live images.





6.1. Changing screen view.

| 👹 CamControl LITE 🛛 V 3.90 [HeiTe | LDVR] | |
|--|--|------------------------------------|
| Hang up View Setup Site Archive | + - Camera 1 | 2010-03-15-103-0210 Camera 2 |
| Log file | Public and a second sec | |
| Help | + - Camera 3 | + - Camera 4 |
| Close | Error relay Device armed | Relay 1 |
| | <f1> for help</f1> | Online 18.62 KB 1 3/2/2 |

Cam Control LITE: Allows you to choose between different viewing modes when accessing the live Images. When you click "**View**" a menu containing the different viewing modes.

| View |
|------|
|------|

The software provides you with the following viewing modes:



Quads screen:

This multi-image viewing mode shows you four live images in the main panel at the same time .By Clicking the "+" and "-" buttons located underneath the images, you can select different cameras for this viewing mode as necessary.

Full screen: the view image from the camera in the **Main screen** viewing mode is enlarged in the main panel. The control panel to the left of the full image, the LED's and the **Relay** buttons are all hidden. The Camera buttons and the image quality side are still available .A button to switch to **Main screen** viewing mode is also available.

Main screen: This is the default viewing mode of Cam Control LITE.

Zoom window: the zoom window offers a further display format for the Cam Control LITE software .It switches to a window that can be freely scaled and positioned. Here depending on the display selected the images are shown in the Quad screen format (see example).



7. How to set the DVR to work with VSI-Pro, VSI-Pro Max or VSSI-Pro

- 7.1 click button Setup.
- 7.2 Select the Serial channel.
- 7.3 Select the Baud rate 9600.
- 7.4 Select the Mode 8/N/1.
- 7.5 Select the Function Pos.
- 7.6 Click OK button.
- 7.7 Select the Save as Configuration profile.



| Recorder settings | | | | |
|------------------------|----------------|---------------------------|---|--|
| | Serial channel | | | |
| Device | | | | |
| User | | | | |
| Date & Time | | | | |
| Connections | | | | |
| - Camera settings | Baud rate | Mode | | |
| - Camera groups | 9600 | 8/N/1 | • | |
| Motion detection zones | | | | |
| Privacy zones | Europhica | | | |
| Alarms | Function | | | |
| ± Site archive | POS | • | | |
| Audio | | | | |
| PTZ control | | | | |
| Serial channel | | | | |
| Video out | | | | |
| E FMA | | | | |
| Extras | | | | |
| Upload / Download | | | | |
| Firmware update | | | | |
| IP Camera | | | | |
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| 1 | | | | |
| | | | | |
| ОК | | | | |
| | | | | |
| Cancel | | | | |
| | | | | |
| Site archive state | | | | |
| | | | | |
| Help | | | | |
| | | | | |

7.8 Click OK.

| Recorder settings | | × |
|-------------------|---|---|
| Recorder settings | Serial channel Baud rale Mode 9600 Serial channel Grave Recorder Settings ? Do you really want to save the new settings? Save as configuration profile CoK Cancel | |
| | | |

Back to the Main Menu.

| 🗃 CamControl LITE 🛛 V 3.90 [HeiTel_ | _DVR] | | | | |
|--|---|--------------------|----------|--------------------|---------|
| Hang up View Setup Site Archive Log file | Camera 1 | Carera 2 | Carera 3 | | |
| Help | | | | | |
| Close | Error relay Device armed | | | Relay 1 Relay 2 | 8 |
| | | <f1> for help</f1> | Online | 3.88 KB | 1 1/0/5 |

7.9 Click button Setup.



- 7.10 Double Click the Site archive.
- 7.11 Select the POS/ATM/IBIS.
- 7.12 Select Type POS/Track size (%)/Line length 57.
- 7.13 Click OK button.
- 7.14 Select the Save as Configuration profile.
- 7.15 Click OK.



| Recorder settings | | | | | | X |
|--------------------------|---------|--------------------|-------------------|------------------------|--------------------------|--------------|
| | POS/ATM | 1/IBIS Keyword | ls Adapter | | | |
| Device | | | | | | |
| User | | | - | | | |
| - Date & Time | | Recording | Гуре | Track size [%] | Line length | Delete track |
| Connections | | | | | | |
| - Camera settings | 1 | V | POS 🗾 | 25 - | 57 💌 | |
| - Camera groups | | | | | | |
| - Motion detection zones | 2 | | POS - | 25 | 57 | _ |
| - Privacy zones | 2 | | 1-03 | 20 - | J37 - | |
| . Alarms | | | | | | |
| E- Site archive | 3 | V | POS 👤 | 25 | 57 💌 | |
| Video settings | | | | | | |
| | 4 | ~ | POS V | 25 | 57 💌 | _ |
| | | , | 1.00 | 23 - | | |
| Keywords | | | | | | |
| Adapter | | | | | | |
| Audio | | | | | | |
| Track settings | | | | | | |
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| Cancel | | | | | | |
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| Characteria state | | | | | | |
| Site archive state | | | | | | |
| 11-1- | | | | | | |
| Help | Set | values for IBIS re | cording To record | HBIS data select "IBIS | " in "Serial channel/Fur | ction" |

8. The images for the individual camera tracks are saved as continuous recording and/or event recordings in the **Transmitter archive**. Transaction data can also be recorded.

8.1. Click the site Archive button in which you can select between

Site Archive

opens a pop-up menu

Evaluation with optimal functionality Evaluation with optimal speed - Evaluation with optimal functionality.

- Evaluation with optimal speed.

8.2 Click the **Evaluation with optimal functionality.** This extended access to the archive provides all functions.



8.2.1. The **camera** track node, with Camera Number name, branches into the various levels of the data and image recording.

8.2.2. The **transaction data** has been recorded for the camera track in question via a POS adapter.

8.2.3. This node indicates image **continuous recording** for the camera Track in question.



8.3 Click the I Transaction data.

| A Transaction data | of camer | a 1 | | X |
|--------------------------|----------------|----------------|---------------------|---|
| Transaction data | | | Date & Time | |
| F.L. HOT DOG | 3.80 | | 2010-09-17 14:02:0 | 5 |
| FISH TACO | 1.89 | | 2010-09-17 14:02:0 | 6 |
| SANDWICH | 1.25 | | 2010-09-17 14:02:0 | 6 |
| CORN DOG | 0.45 | | 2010-09-17 14:02:0 | 7 |
| [1a | | | 2010-09-17 14:02:0 | B |
| NO SALE | | | 2010-09-17 14:02:03 | 9 |
| BBQ SALAD | 2.80 | | 2010-09-17 14:02:10 | D |
| CHICKEN SALAD | 2.80 | | 2010-09-17 14:02:10 | D |
| CHOC TE CAKE | 2.50 | | 2010-09-17 14:02:1 | 1 |
| MIXES DRINK | 2.95 | | 2010-09-17 14:02:13 | 2 |
| BEER | 1.25 | | 2010-09-17 14:02:1 | 3 |
| BURGER, FRIES | 1.50 | | 2010-09-17 14:02:1 | 3 |
| | | | | |
| | ۷ | \odot | | |
| Text & price search Da | ate time searc | ch | | |
| Time window | | Search param | eter | |
| Start | | 1: | | |
| Date: 19/7 / 2553 | - | Price: >= | • 0 | |
| , Time: | | 2: | | |
| 8:01:14 | ĺ | Price: >= | | |
| End Date: | | 3: | | |
| 17/9/2553 | - | Frice: >= | ▼ 0 | |
| Time: | | 4: | | |
| 14:02:26 | | Price: >= | | |
| | Select all | Search items o | combined AND | |

8.4 Select the Time window area you can define both the Start and End of The Date and Time. Alternatively, you can select all transaction data allocated to the camera track in question by Clicking Select all you can specify up to four text Under Search parameter. You can also Specify a price if you wish. When Checking the price you can Choose between <= (less than or Equal to), = (equal to) or >= (greater than or equal to). You can link all the selected parameters for the transaction data search using the logical operators "AND" or "OR" by Making the Search item combined Drop down list. In addition to this combined search, you can also Search according to individual criteria, Price only.

| Transaction data Date & Time NO SALE 2010-09-17 14:02:41 BBQ SALAD 2.80 2010-09-17 14:02:42 CHICKEN SALAD 2.80 2010-09-17 14:02:42 CHOC TF CAKE 2.50 2010-09-17 14:02:43 MIXES DRINK 2.95 2010-09-17 14:02:44 BEER 1.25 2010-09-17 14:02:45 |
|---|
| NO SALE 2010-09-17 14:02:41 BBQ SALAD 2.80 2010-09-17 14:02:42 CHICKEN SALAD 2.80 2010-09-17 14:02:42 CHOC TF CAKE 2.50 2010-09-17 14:02:43 MIXES DRINK 2.95 2010-09-17 14:02:44 BEER 1.25 2010-09-17 14:02:45 |
| BBQ SALAD 2.80 2010-09-17 14:02:42 CHICKEN SALAD 2.80 2010-09-17 14:02:42 CHOC TF CAKE 2.50 2010-09-17 14:02:43 MIXES DRINK 2.95 2010-09-17 14:02:44 BEER 1.25 2010-09-17 14:02:45 |
| CHICKEN SALAD 2.80 2010-09-17 14:02:42 CHOC TF CAKE 2.50 2010-09-17 14:02:43 MIXES DRINK 2.95 2010-09-17 14:02:44 BEER 1.25 2010-09-17 14:02:45 |
| CHOC TF CAKE 2.50 2010-09-17 14:02:43 MIXES DRINK 2.95 2010-09-17 14:02:44 BEER 1.25 2010-09-17 14:02:45 |
| MIXES DRINK 2.95 2010-09-17 14:02:44 BEER 1.25 2010-09-17 14:02:45 |
| BEER 1.25 2010-09-17 14:02:45 |
| |
| BURGER, FRIES 1.50 2010-09-17 14:02:45 |
| BANANNA SPLIT 2.50 2010-09-17 14:02:46 |
| TOTAL 23.69 2010-09-17 14:02:47 |
| CASH 30.00 2010-09-17 14:02:47 |
| CHANGE 6.31 2010-09-17 14:02:48 |
| [0a 2010-09-17 14:02:49 |
| Text & price search Date time search |
| Time window |
| Start I: BANANNA |
| Date: 17/7 / 2553 ▼ Price: >= ▼ 0 |
| Time: |
| 13:02:06 |
| End Date: |
| 17/9 / 2553 ▼ Price: >= ▼ 0 |
| Time: 4: |
| |

8.5 Simple Date & Time search Enter the **Date** of the search Start or Select it using the Calendar function. You can enter the **Time** of the Search start in hours, minutes and seconds using the Buttons next to the time input box or using the keyboard. Click Search to start the Search the first sales receipt recorded after the specified Search start is returned.

| Transaction data | | Date & time |
|--|-------------------|-----------------|
| 10:32 | | 2010-09-20 05 |
| F.L. HOT DOG | 3.80 | 2010-09-20 05 |
| FISH TACO | 1.89 | 2010-09-20 05 |
| SANDWICH | 1.25 | 2010-09-20 05 |
| CORN DOG | 0.45 | 2010-09-20 05 |
| [1a | | 2010-09-20 05 |
| NO SALE | | 2010-09-20 05 |
| BBQ SALAD | 2.80 | 2010-09-20 05 |
| CHICKEN SALAD | 2.80 | 2010-09-20 05 |
| CHOC TE CAKE | 2.50 | 2010-09-20 05 |
| MIXES DRINK | 2.95 | 2010-09-20 05 |
| REER | 1 25 | 2010-09-20 05 🗸 |
| Text & price search | ate & time search |) |
| Text & price search D Date: 20/9 / 255 | ate & time search | |
| Text & price search D Date: 20/9 / 255 Time: 9:18:15 | ate & time search |) |

8.6 Click Live

Live

to exit the site Archive.