TX1500 camera input card MK2

Installation Guide

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Contents

Safety Precautions

All normal safety precautions as laid down by British Standards and the Health and Safety at Work Act (or the relevant national safety legislation if installing in a country outside the UK) should be observed, and servicing should be referred to qualified service personnel.

Introduction

The TX1500 camera input card is used to connect 16 camera inputs to the TX1500 matrix. The TX1500 can be expanded to a maximum of 96 cameras.

Systems larger than 16 cameras will use multiple cards.

Unpacking

Inspect the packaging for signs of damage. If damage has occurred, advise the carriers and/or the suppliers immediately. Unpack the units carefully and check that all the items are present and correct:

Part number	Description	TX1500 /16EXP/ xxx-xxx/MK 2	Manual	5U metal work	7U metal work	Blankin g plate	Mounting brackets	4 x M4 screws	Ribbon cables	Extended warranty card
TX1500/16EXP /17-32/MK2	TX1500 camera input card 17 – 32 MK2	X	X				X	X	X	X
TX1500/16EXP /33-48/MK2	TX1500 camera input card 33 – 48 MK2	X	X	X		X	X		X	X
TX1500/16EXP /49-64/MK2	TX1500 camera input card 49 – 64 MK2	X	X				X	X	X	X
TX1500/16EXP /65-80/MK2	TX1500 camera input card 65 – 80 MK2	X	X		X	X	X		X	X
TX1500/16EXP /81-96/MK2	TX1500 camera input card 81 – 96 MK2	X	X				X	X	X	X

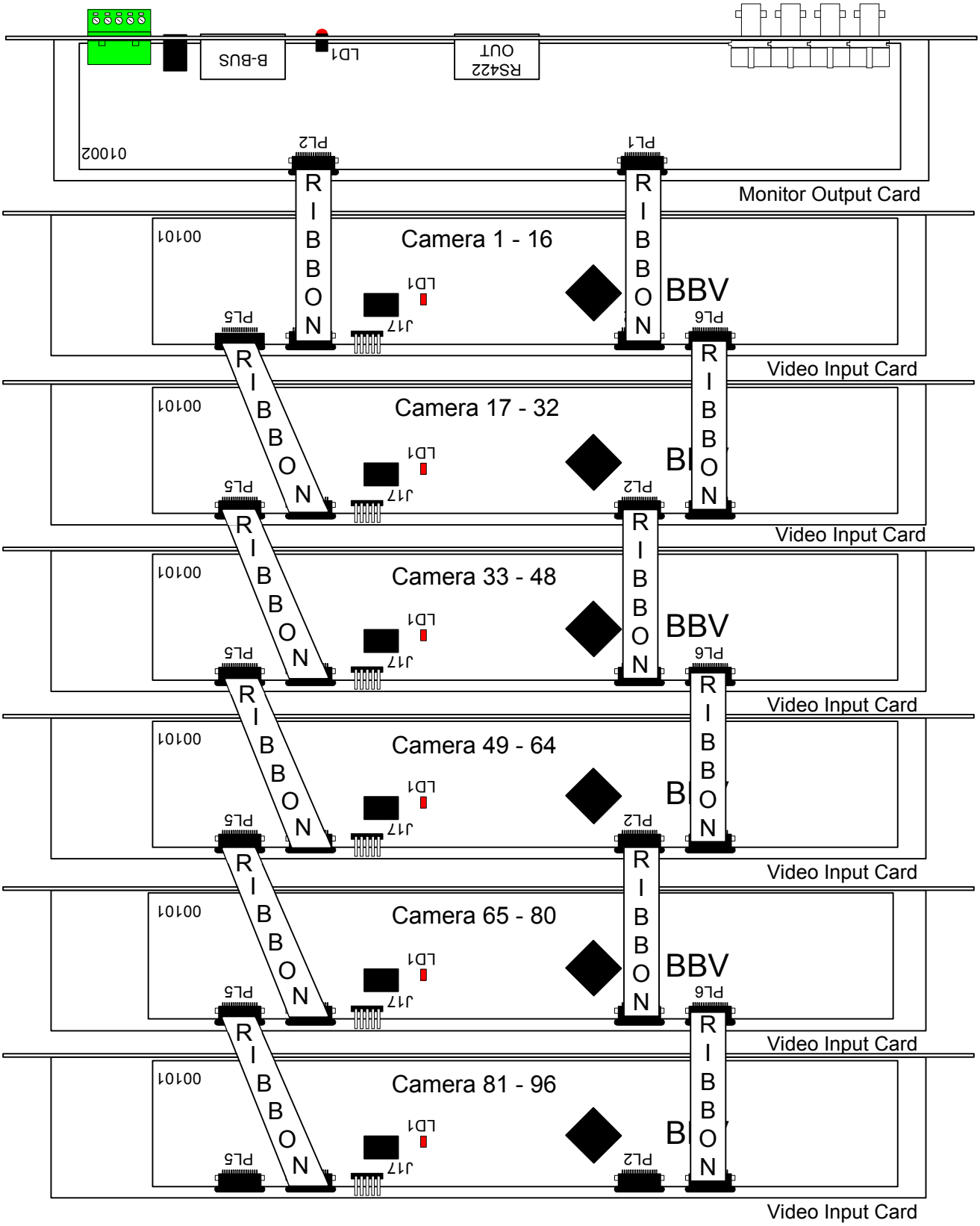
Installation

Each input has a corresponding looping output on the lower BNC connector. The camera inputs are passively terminated at 75Ω and auto de-terminate when a BNC plug is connected to the looping output. Up to 6 cards can be connected in a matrix to control up to 96 cameras.

TX1500 expansion card, front panel view

96 CAMERA SYSTEM SUBRACK CARD CONFIGURATION

Wiring and switch settings for Video Expansion cards and Monitor Output card:



Configuring the TX1500 Expansion card within the TX1500 menu

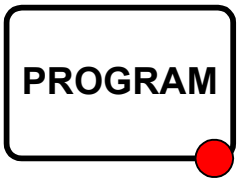
NOTE: Only keyboard 1 can access the TX1500 system menu and only monitor 1 can display the menu.

By default the TX1500 is configured to control BBV coaxial telemetry on all cameras and all keyboards can control all the monitors and cameras.

Use the TX1500 menu to configure the system:

Accessing the menu

Using keyboard 1, select monitor 1 by pressing '1' 'MON'.

Press and hold 

for 2 - 3 seconds, the Program LED should light, and the 'Enter pin number' screen should be displayed:

```
Enter Pin Number

* * * * * *

+ or - = Enter Key
Joystick to Navigate
Press Program to exit

Exit
```

If the menu is not displayed and the Program LED is not lit:

Check that the program key is enabled by removing the back of the keyboard and ensuring switch 6 is ON. (Note: For older style keyboards with a single RJ45 socket check switch 8 is ON).

Enter the six digit PIN using keys 0 – 9. The default PIN is 999999.

Use the joystick left and right if a digit is entered incorrectly.

The TX1500 Main Menu is displayed if the PIN is correct otherwise the TX1500 reverts to normal control:

```
TX1500 - Main Menu

System Basics
Access Tables
Alarm Menus
Sequences
Camera Types
Set Passwords
System Parameters

Exit    press + to select
```

To navigate through the menu, use the joystick and either the +/- keys to toggle a value or the numeric keys 0-9 if a value is required.

To exit the menu press the PROGRAM key at any point. Any changes you have made will be saved.

Setting the Maximum Camera Number

```
System Basics

Maximum Camera number   10
Maximum Alarm number    16
Text on Monitors   1+2+3+4
Display Line             9
System Type            PAL
Number of Keyboards      2

Return
```

This example screen shows the settings for a site with 10 cameras, 2 keyboards and a single alarm card with 16 alarm inputs.

'Maximum Camera number' specifies how many video inputs are connected to the matrix and prevents switching to non-existent cameras. Valid values are 01 - 96

Selecting 'Return' returns to the TX1500 Main Menu.

Camera type

These screens are used to set the type of telemetry for each camera and which monitors and keyboards are allowed to view and control each camera.

The cameras are again displayed in banks of 8 as shown on the following screen:

```
Camera Setup Selection

Cameras 01 - 08
Cameras 09 - 16
Cameras 17 - 24
Cameras 25 - 32
Cameras 33 - 40
Cameras 41 - 48
Cameras 49 - 56
Cameras 57 - 96
Return
```

Start at Cameras 01 – 08 to display the setup screen

```
Camera 01-08  Kbd  Monitor
              1234 12345678
01 BBV coax   YYYY YYYYYYYY
02 BBV coax   YYYY YYYYYYYY
03 Static     YYYY YNYYYYYY
04 BBV coax   YYYY YYYYYYYY
05 BBV 422    YNNN NYNNNNNN
06 BBV coax   YYYY YYYYYYYY
07 Unused     YYYY YYYYYYYY
08 Unused     YYYY YYYYYYYY
Return         Menu   Next8
```

This example shows cameras 1, 2, 4 & 6 with coax telemetry and able to be viewed on all monitors and controlled from all keyboards.

Camera 3 is a static camera that can be viewed on all monitors apart from monitor 2.

Camera 5 is driving via BBV RS422 and can only be viewed on monitor 2 and controlled by keyboard 1.

Cameras 7 & 8 are unused.

The choices for camera type are:

BBV coax - Standard BBV up-the-coax telemetry (supported by RX100, RX200, RX300, RX400P, RX45X & RX55X)
BBV 422 - BBV RS422 telemetry also used when driving additional protocols via a StarCard Converter (supported by RX25X, RX35X, RX45X & RX55X)
VCL coax - Control only available on monitors 1 – 4. **This is a limited implementation of the VCL protocol**
PEL coax - Control only available on monitors 1-4. **This is a limited implementation of the Pelco protocol**
VISTA cx - Supports VISTA POWER DOME and other domes in the VISTA range
VISTA TP - Supports VISTA POWER DOME and other domes VISTA range
STATIC - Telemetry is disabled
Unused - The camera is not fitted and can't be viewed manually or in a sequence

Other types may be selectable, please check with BBV before choosing these.

Kbd: If a keyboard is allowed to control the camera, select Y, or if the keyboard can only view but not control the camera, select N.

Monitor: Select Y if the camera can be displayed on each monitor or N if not. This allows cameras to be hidden from specific monitors/operators.

- Blank for your notes -

- Blank for your notes -

Extend your BBV Warranty from 12 months to 3 years

As of the 1st September 2008 BBV have offered our customers the opportunity to extend the standard 12 month warranty to 3 years.

You must register for the extended warranty within 12 months of the date of manufacture.

How to register for the 3 year warranty

Registering for the new, longer 3 year warranty term is quick and easy.

Either:

Complete the warranty application card that comes in the box with your BBV product, and return it FREEPOST to BBV:

BBV 3 Year Warranty

If this card is returned with the serial number of the product and the Installation company details BBV will extend the warranty period from 12 Months to 36 Months.

☐ Number of Units, ☐ Start Serial No. ☐ Final Serial No.

Contact Name._____

Company Name._____

Phone Number._____

Site Name._____

Address 1._____

Address 2._____

Address 3._____

Post Code._____

e-mail address._____

Do you read.

Please could you send me information especially on:

- ☐ Rx100s
- ☐ Rx45x & Rx55x
- ☐ FBM Video Matrices
- ☐ Tx1500 Video Matrices
- ☐ Starcard & Starcard Converters
- ☐ BBV Quad
- ☐ Pick A Point

☐ I do not require any other further product information,

Please refer to WWW.BBVCCTV.COM for terms, conditions & exclusions

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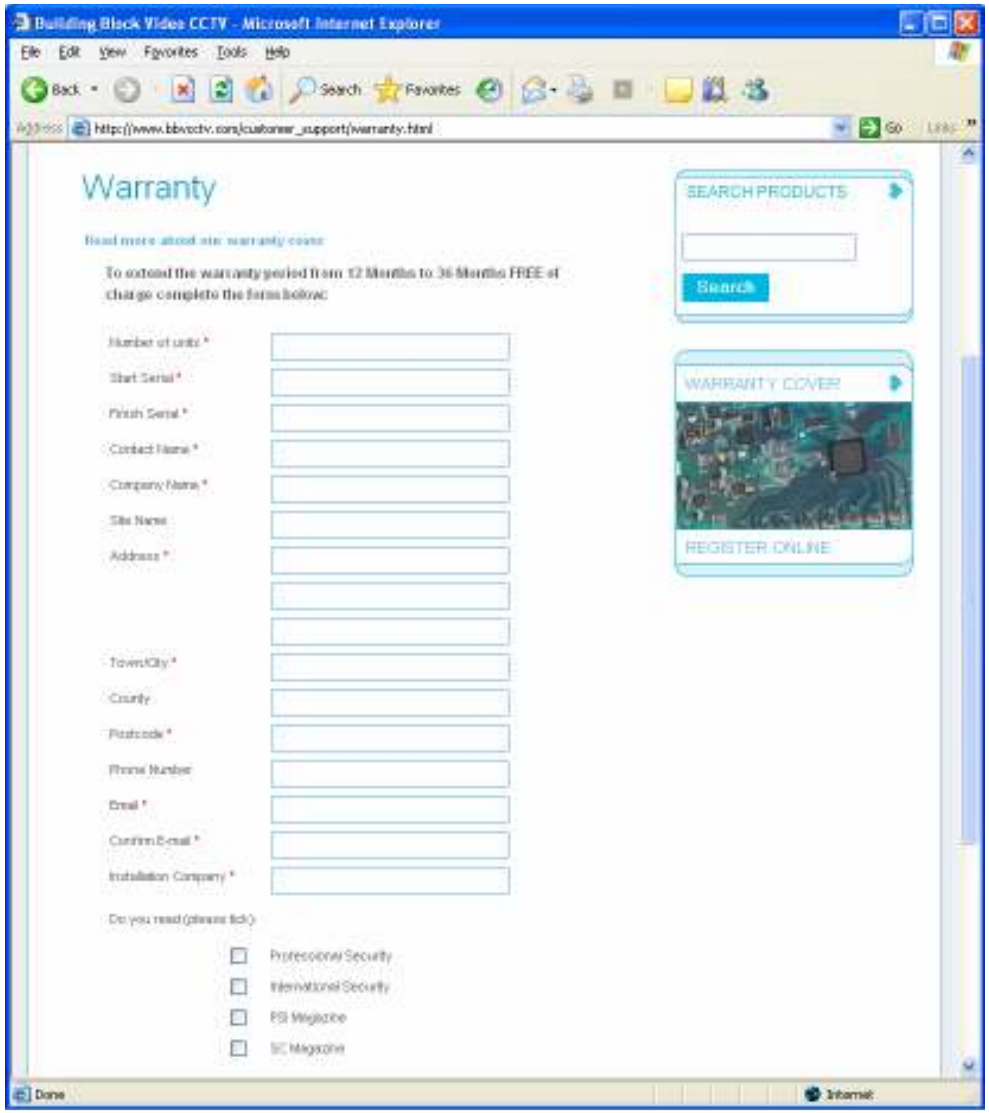
Or alternatively:

Register online at: www.bbvcctv.com
Simply enter your details on the 'Warranty Cover' page.



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