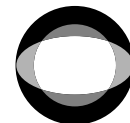


VideoBridge™ 6000 Series Hardware Guide

VideoBridge 6000 (1-port version)

VideoBridge 6000 (4-port version)

VideoBridge 6000 (1-port rack-mounted)



IndigoVision

contents

About this document.....	3
Product Overview	4
Product Introduction	4
Model Naming Conventions	4
VideoBridge 6000 Series Features and Benefits	4
Configuration	5
Serial Port Connection	5
Initial IP Settings	6
Hardware Description	6
VideoBridge 6000-4 and 6000-4RM	6
Connector Specification (Front)	6
VideoBridge 6000-4 & 6000-4RM - Connector Specification (Rear) ..	8
VideoBridge 6000-1	12
Connector Specification (Front)	12
VideoBridge 6000-1- Connector Specification (Rear)	13
Hardware Specifications	18
VideoBridge 6000-4 and 6000-4RM	18
VideoBridge 6000-1	19

About this document

The document is intended for anyone involved in using and configuring the products. It provides introductory information as well as instructions on how to connect the VideoBridge 6000 Series to your network. Any changes or alterations to this document will be posted on the IndigoVision web site at www.indigovision.com.

Safety Notices

Please observe all safety markings and instructions when using or installing this product.

CAUTION!	Potential hazard that could damage the product or prevent proper network function
IMPORTANT NOTICE!	Potential hazard that could seriously impair operation
PLEASE NOTE	Additional information relating to the current section

Do not proceed beyond any of the above notices until you have fully understood the implications.

Legal Considerations

Laws that can vary from country to country may prohibit camera surveillance. Please ensure that the relevant laws are fully understood for the particular country or region in which you will be operating this equipment. IndigoVision Ltd. accepts no liability for improper or illegal use of this product.

Copyright

This manual is protected by national and international copyright and other laws. Unauthorized storage, reproduction, transmission and/or distribution of this manual, or any part of it, may result in civil and/or criminal proceedings. IndigoVision and VideoBridge are trademarks of IndigoVision Ltd. and are registered in certain countries. All other product names referred to in this manual are trademarks of their respective owners. Save as otherwise agreed with IndigoVision Ltd. and/or IndigoVision Inc., this manual is provided without express representation and/or warranty of any kind. To the fullest extent permitted by applicable laws, IndigoVision Ltd. and IndigoVision Inc. disclaim all implied representations, warranties, conditions and/or obligations of every kind in respect of this manual. Accordingly, save as otherwise agreed with IndigoVision Ltd. and/or IndigoVision Inc., this manual is provided on an "as is", "with all faults" and "as available" basis. Please contact IndigoVision Ltd. (either by post or by e-mail at support@indigovision.com) with any suggested corrections and/or improvements to this manual.

Save as otherwise agreed with IndigoVision Ltd. and/or IndigoVision Inc., the liability of IndigoVision Ltd. and IndigoVision Inc. for any loss (other than death or personal injury) arising as a result of any negligent act or omission by IndigoVision Ltd. and/or IndigoVision Inc. in connection with this manual and/or as a result of any use of or reliance on this manual is excluded to the fullest extent permitted by applicable laws.

Product Overview

Product Introduction

IndigoVision's VideoBridge 6000 series is supplied as a single source solution for the transmission, reception, encoding and decoding of video, audio and data over IP networks. It is capable of being software configured as a server (encoder) or client (decoder). The VideoBridge 6000 series allows the user to control, configure, view, record and control the display of video over IP networks. All functions are user-configurable and compatible with other IndigoVision VideoBridge networked video components.

VideoBridge 6000 series servers (encoders) digitize and transmit video from a PAL/NTSC video source eliminating requirements for multiplexors, transmission amplifiers or correction amplifiers.

VideoBridge 6000 series clients (decoders) decode the encoded video audio and data from the network, decompress the video and audio signals and output either NTSC/PAL composite video and audio to an analog monitor and suitable audio device. RS232/422 serial data can be accessed via the built in serial connector.

It is assumed that the user will be utilizing their own applications, developed using IndigoVision's VideoBridge Software Development Kit (version 2.6 or higher), or applications supplied or developed by IndigoVision.

Model Naming Conventions

This guide describes the VideoBridge 6000 Series models. For the purposes of this document, the models are described as follows:

Model	Document Naming Convention
VideoBridge 6000 (1-port)	VideoBridge 6000-1
VideoBridge 6000 (4-port)	VideoBridge 6000-4
VideoBridge 6000 (4-port rack-mounted)	VideoBridge 6000-4RM

Unless otherwise indicated, the term VideoBridge 6000 refers to all three products.

VideoBridge 6000 Series Features and Benefits

Suitable for both small- and large-scale monitoring systems, the VideoBridge 6000 series takes CCTV opportunities to a new level offering unparalleled system versatility.

- Digitizes video straight from the camera eliminating requirements for multiplexors, transmission amplifiers or correction amplifier
- High video compression ratios, typically 80:1
- Ease of installation enables rapid deployment of full-featured, remote monitoring systems offering real-time video and two-way audio recording, management of PTZ functions and Binary I/O triggers
- Maximizes resources to enable coordinated remote monitoring and communication across multiple locations using standard network interfaces, including LANs, WANs, wireless networks and internet communication links

- High bandwidth efficiency by utilizing multicast technology
- Offers the flexibility to respond to diverse security applications and network environments by delivering:
 - User selectable encode/decode modes
 - High frame rate video and audio over low bandwidths
 - Digital recording and high-density storage
 - Programmable choice of constant video quality or constant network bandwidth modes

Configuration

Serial Port Connection

The VideoBridge device to be configured should be connected as shown in Figure 1. (Figure 1 shows a VideoBridge 6000-4 device.)

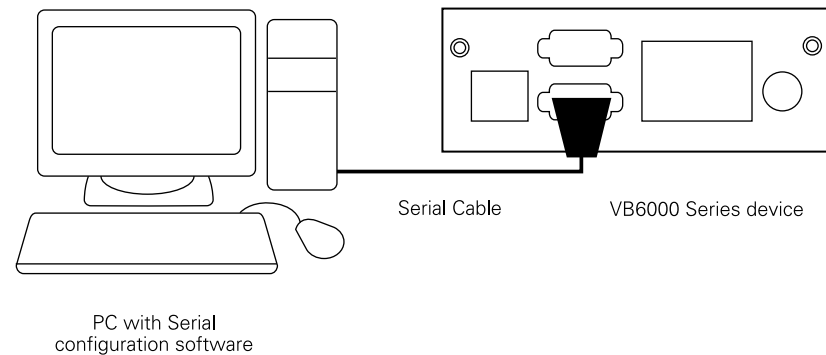


Figure 1: Serial Configuration Connection

PLEASE NOTE You must use serial port #1 to configure the VideoBridge 6000. (Port #1 is always the port nearer the board surface, that is, the lower port.)

Before attempting to configure any VideoBridge device using the serial port, you must have access to a PC with a suitable configuration application installed. This can be IndigoVision's VideoBridge CCTV Toolbox or a custom application developed using IndigoVision's VideoBridge Software Development Kit (SDK) version 2.6 or higher.

To enable serial programming of the VideoBridge 6000, a suitable serial cable is required. (See page 9 for order details). This cable is supplied with the VideoBridge 6000 Kit.

Once connected, set the parameters as defined in the configuration application to suit your own network requirements.

Initial IP Settings

By default VideoBridge 6000 series devices are programmed as H.261 servers with the following IP properties on delivery:

VideoBridge 6000 series	
Initial Configuration	Server
IP Address	10.5.1.10
Subnet Mask	255.0.0.0
Default Gateway	0.0.0.0

Table 1: IP Properties

Before connecting any VideoBridge 6000 series devices to your network, you may need to alter the IP address of the unit to avoid possible conflicts. It is highly recommended that the initial setting of the network properties of the device is carried out via the serial port.

CAUTION!

Please note the IP details shown in Table 1 and confirm your own network settings before connecting any VideoBridge 6000 series devices to your network. Programming incompatible IP properties into any VideoBridge device may cause severe network disruption. Please confirm the suitability of the IP properties to be used with your network administrator.

Hardware Description

VideoBridge 6000-4 and 6000-4RM Connector Specification (Front)

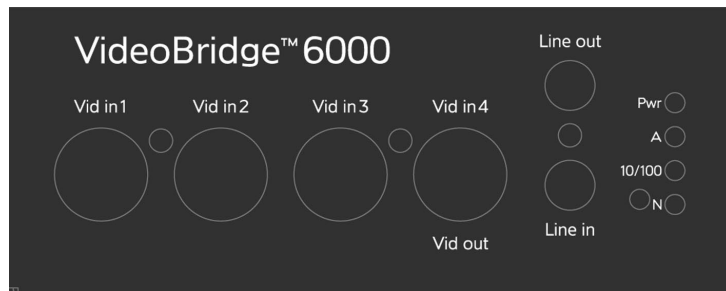


Figure 2: VideoBridge 6000-4 Front Panel

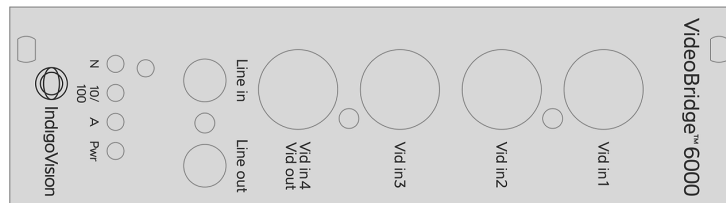


Figure 3: VideoBridge 6000-4RM Front Panel (shown rotated 90 degrees)

Video Input/Output Sockets

Name	Type	Description
VID IN1	BNC, 75Ω terminated	Video Input
VID IN2	BNC, 75Ω terminated	Video Input
VID IN3	BNC, 75Ω terminated	Video Input
VID IN4/VID OUT	BNC, 75Ω terminated	Video Input/Output

Table 2: Video I/O

The Video connectors of the VideoBridge 6000 device are standard 75Ω, BNC terminated. The BNC labeled VID_IN4/VID_OUT is available as a video input or a video output depending on how the device has been programmed.

Audio In/Out

Name	Type	Description
Line In	3.5 mm jack (stereo type)	Audio Input
Line Out	3.5 mm jack (stereo type)	Audio Output

Table 3: Audio I/O

The Line in of the VideoBridge 6000 device should be a 1V p-p signal from a pre-amplified microphone or from a 1V p-p source. Using a condenser or non-amplified microphone may give an unacceptable result.

The Line out of the VideoBridge 6000 device is a 1V p-p audio signal and as such is not capable of driving a speaker directly. This output should be connected to a suitable amplifier, powered speakers or headphones.

Factory Default Reset

Name	Type	Description
FD	Switch	Factory Default (reset)

Table 4: Reset Switch

The 'FD' (Factory Default) switch on the front panel of the VideoBridge 6000 device resets the factory default IP, Subnet and Gateway settings of the device. The default position for this switch is 'In'. To set the factory defaults, set this switch to the 'Out' position then power cycle the box. Once the new settings have been made, the switch should be returned to the 'In' position and the box power cycled for the new settings to take effect.

LEDs

Name	Type	Description
PWR	LED	On when power available
A	LED	Regular flash indicating system active
10/100	LED	On when 100Base-T active
N	LED	Irregular flash indicating network activity

Table 5: Indicator LED's

VideoBridge 6000-4 and 6000-4RM - Connector Specification (Rear)

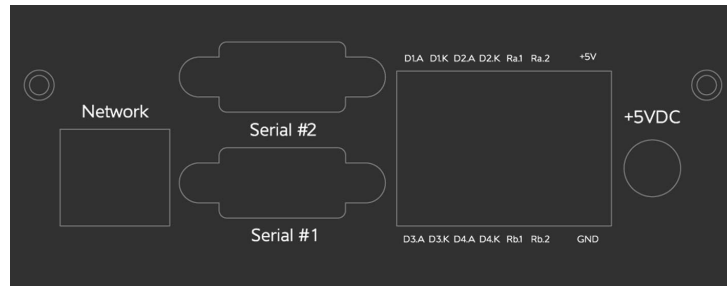


Figure 4: VideoBridge 6000-4 Rear Panel

Network Port

Name	Type	Description
NETWORK	RJ-45	Auto-sensing 10/100 Base-T Ethernet

Table 6: Network Port

Serial Port 1: 9-pin D-type

Pin	RS232 Function	RS422 Function
1		
2	Rx	Rx-
3	Tx	Tx-
4		
5	GND	GND
6		
7	RTS	Tx +
8	CTS	Rx +
9		

Table 7: Serial Port 1

Serial 1 on the VideoBridge 6000 device can be defined as either a standard RS232 (default) port, or as an RS422 port using suitable applications based on IndigoVision's VideoBridge Software Development Kit (version 2.6 or higher). This port is also utilized as the programming port for initial configuration as mentioned on page 5.

Serial Port 2: 9-pin D-type

Pin	RS232 Function
1	
2	Rx
3	Tx
4	
5	GND
6	
7	RTS
8	CTS
9	

Table 8: Serial Port 2

Serial 2 on the VideoBridge 6000 device is a standard RS 232 serial connection with pin outs as shown in Table 8.

CAUTION! Off the shelf serial and null-modem cables may not be compatible with the VideoBridge 6000 series devices.

PLEASE NOTE Compatible null modem cable available from:
 Company Farnell
 Website www.farnell.com
 Part No 976880
 Description 9-way D-type female - female serial cable

Binary I/O

Name	Type	Description
D1-D4A	Connector Block	Diode 1- Diode 4 Anode
D1-D4K	Connector Block	Diode 1- Diode 4 Cathode
RA1 RA2	Connector Block	Switched terminals (100mA max)
RB1 RB2	Connector Block	Switched terminals (100mA max)
+5v	Connector Block	+5V DC
GND	Connector Block	Gnd

Table 9: Binary I/O

PLEASE NOTE The +5V DC connection on the connector block is directly connected to the DC input socket on the device. DC power can be supplied to the device via this connection or taken from this connection to power external devices.

CAUTION! When used as a 5V DC source for external devices the maximum load must be limited to 500mA. A suitable power supply must be used which is capable of delivering the current requirements of the both device and that of the connected load.

The actions of these ports are user programmable via IndigoVision's VideoBridge CCTV Toolbox or a custom application developed using IndigoVision's VideoBridge Software Development Kit (SDK) version 2.6 or higher.

PLEASE NOTE Binary I/O connector block is available from:

Company	Phoenix Contact
Website	www.phoenixcontact.com
Part No	1851106
Description	8 position Spring Energy Plug
Company	Phoenix Contact
Website	www.phoenixcontact.com
Part No	1850725
Description	8 pin terminal block

Input

The Binary inputs on the VideoBridge 6000 device allow the user to connect external trigger sources to the unit. A typical example application is shown in Figure 5 below.

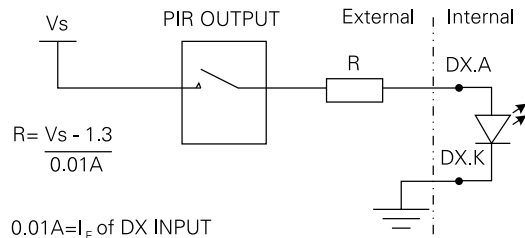


Figure 5: Example Binary I/O Input (x=1,2,3 or4)

The Dx.A and Dx.K connections on the VideoBridge 6000 device are linked to diodes within the device which require an input current of 10mA DC to alter the logic state of that input. This is accomplished as shown in Figure 5.

For example, Vs= 12V DC: R=(12-1.3)/.01 =1070Ω

PLEASE NOTE The value of R should be rounded down to the nearest available value to ensure that the recommended current of 10mA is available.

CAUTION! If current in excess of 25mA is applied to this connection the device will be irrevocably damaged. i.e. an external resistor must be used to limit the maximum current.

Output

The switching of the VideoBridge 6000 device Rx.1 Rx.2 ports is controlled via the users software applications. These ports are electronically switched and are either effectively open circuit, or closed. Once closed the effective resistance between Rx.1 and Rx.2 is not greater than 40Ω. A typical example is shown in Figure 6 below.

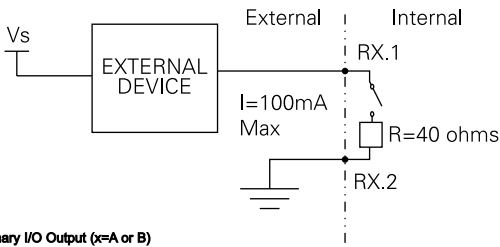


Figure 6: Example Binary I/O Output (x=A or B)

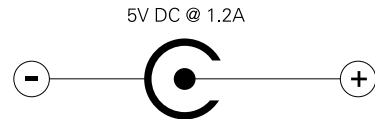
CAUTION! This port is not a voltage source. The maximum current permitted through this port is 100mA.

Power Connector

Name	Type	Description
+5V DC	DC Jack	+5V Power-in terminal

Table 10: Power Connector

The VideoBridge 6000 device requires 5VDC @ 1.2A via a 2.1mm center positive connector.



PLEASE NOTE Screwed power plug is available from:

Company	Switchcraft
Website	www.switchcraft.com
Part No	S761K
Description	Miniature power plug with securing screw

VideoBridge 6000-1 Connector Specification (Front)

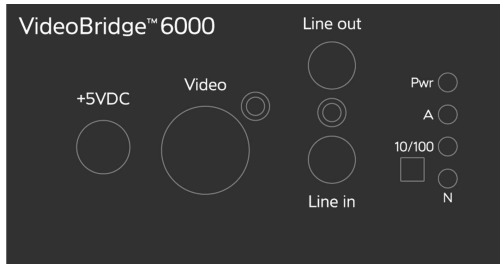


Figure 7: VideoBridge 6000-1 Front Panel

Video Input/Output Socket

Name	Type	Description
VIDEO	BNC, 75Ω terminated	Video Input/Output

Table 11: Video I/O

The Video connectors of the VideoBridge 6000 device are standard 75Ω, BNC terminated. The VIDEO socket is available as a video input or a video output depending on how the device has been programmed.

Audio In/Out

Name	Type	Description
Line In	3.5 mm jack (stereo type)	Audio Input
Line Out	3.5 mm jack (stereo type)	Audio Output

Table 12: Audio I/O

The Line In of the VideoBridge 6000 device should be a 1V p-p signal from a pre-amplified microphone or from a 1V p-p source. Using a condenser or non-amplified microphone may give an unacceptable result.

The Line Out of the VideoBridge 6000 device is a 1V p-p audio signal and as such is not capable of driving a speaker directly. This output should be connected to a suitable amplifier, powered speakers or headphones.

Factory Default Reset

Name	Type	Description
FD	Switch	Factory Default (reset)

Table 13: Reset Switch

The 'FD' (Factory Default) switch on the front panel of the VideoBridge 6000 device resets the factory default IP, Subnet and Gateway settings of the device. The default position for this switch is 'In'. To set the factory defaults, set this switch to the 'Out' position then power cycle the box. Once the new settings have been made, the switch should be returned to the 'In' position and the box power cycled for the new settings to take effect.

LEDs

Name	Type	Description
PWR	LED	On when power available
A	LED	Regular flash indicating system active
10/100	LED	On when 100Base-T active
N	LED	Irregular flash indicating network activity

Table 14: Indicator LED's

VideoBridge 6000-1- Connector Specification (Rear)

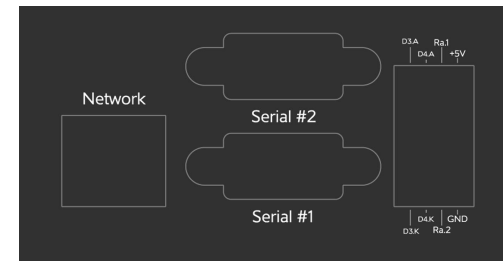


Figure 8: VideoBridge 6000-1 Device Rear

Network Port

Name	Type	Description
NETWORK	RJ-45	Auto-sensing 10/100 Base-T Ethernet

Table 15: Network Port

Serial Port 1: 9-pin D-type

Pin	RS232 Function	RS422 Function
1		
2	Rx	Rx-
3	Tx	Tx-
4		
5	GND	GND
6		
7	RTS	Tx +
8	CTS	Rx +
9		

Table 16: Serial Port 1

Serial Port 1 on the VideoBridge 6000 device can be defined as either a standard RS232 (default) port, or as an RS422 port using suitable applications based on IndigoVision's VideoBridge Software Development Kit (version 2.6 or higher). This port is also utilized as the programming port for initial configuration as mentioned on page 5.

Serial Port 2: 9-pin D-type

Pin	RS232 Function
1	
2	Rx
3	Tx
4	
5	GND
6	
7	RTS
8	CTS
9	

Table 17: Serial Port 2

Serial Port 2 on the VideoBridge 6000 device is a standard RS232 serial connection with pin outs as shown in Table 17.

CAUTION! Off the shelf serial and null-modem cables may not be compatible with the VideoBridge 6000 series devices.

PLEASE NOTE Compatible null modem cable available from:
 Company Farnell
 Website www.farnell.com
 Part No 976880
 Description 9-way D-type female - female serial cable

Binary I/O

Name	Type	Description
D3-D4A	Connector Block	Diode 1- Diode 2 Anode
D3-D4K	Connector Block	Diode 1- Diode 2 Cathode
RA1 RA2	Connector Block	Switched terminals (100mA max)
+5v	Connector Block	+5V DC
GND	Connector Block	Ground

Table 18: Binary I/O

PLEASE NOTE The +5V DC connection on the connector block is directly connected to the DC input socket on the device. DC power can be supplied to the device via this connection or taken from this connection to power external devices. Binary I/O pins D3 and D4 on the VB 6000-1 correspond to pins D3 and D4 in the VB6000-4 and have been numbered accordingly.

CAUTION! When used as a 5V DC source for external devices the maximum load must be limited to 500mA. A suitable power supply must be used which is capable of delivering the current requirements of the both device and that of the connected load.

The actions of these ports are user programmable using IndigoVision's VideoBridge CCTV Toolbox or a custom application developed using IndigoVision's VideoBridge Software Development Kit (SDK) version 2.6 or higher.

PLEASE NOTE Binary I/O connector block is available from:
 Company Phoenix Contact
 Website www.phoenixcontact.com
 Part No 1881341
 Description 4 position Spring Energy Plug
 Note that each unit requires two connectors.

Input

The Binary inputs on the VideoBridge 6000 device allow the user to connect external trigger sources to the unit. A typical example application is shown in Figure 9.

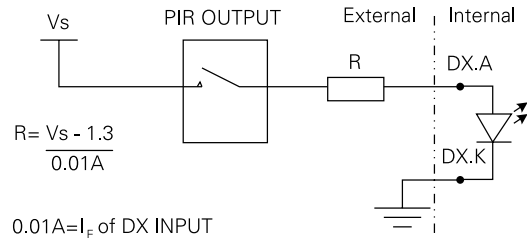


Figure 9: Example Binary I/O Input (x=1 or 2)

The Dx.A and Dx.K connections on the VideoBridge 6000 device are linked to diodes within the device which require an input current of 10mA DC to alter the logic state of that input. This is accomplished as shown in Figure 9. For example, Vs= 12V DC: R=(12-1.3)/.01 =1070Ω

PLEASE NOTE The value of R should be rounded down to the nearest available value to ensure that the recommended current of 10mA is available.

CAUTION! If current in excess of 25mA is applied to this connection the device will be irrevocably damaged, that is, an external resistor must be used to limit the maximum current.

Output

The switching of the VideoBridge 6000 device RA.1 RA.2 ports is controlled via the user's software applications. These ports are electronically switched and are either effectively open circuit, or closed. Once closed the effective resistance between RA.1 and RA.2 is not greater than 40Ω. A typical example is shown in Figure 10.

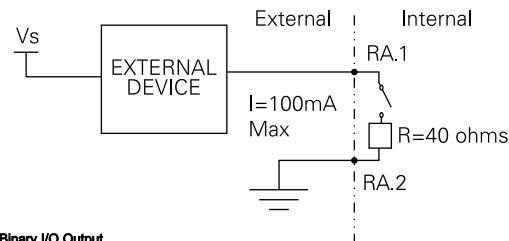


Figure 10: Example Binary I/O Output

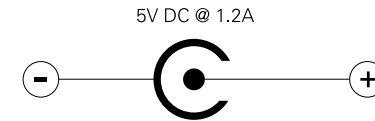
CAUTION! This port is not a voltage source. The maximum current permitted through this port is 100mA.

Power Connector

Name	Type	Description
+5V DC	DC Jack	+5V Power-in terminal

Table 19: Power-in terminal

The VideoBridge 6000 device requires 5VDC @ 1.2A via a 2.1mm center positive connector.



PLEASE NOTE Screwed power plug is available from:

Company	Switchcraft
Website	www.switchcraft.com
Part No	S761K
Description	Miniature power plug with securing screw

Hardware Specifications

VideoBridge 6000-4 and 6000-4RM

Video

- 4x NTSC/PAL (BNC) inputs, composite Video, 75 Ω , 1V p-p (when configured as a server)
- 1 x NTSC/PAL (BNC) output, composite Video, 75 Ω , 1V p-p (when configured as a client)

Video Codec

- ITU-standard H.261
- User configurable bitrate
- User configurable quality
- "4:2:0" YUV color space
- 24-bit color depth
- Choice of resolutions
CIF: 352 x 288 pixels
QCIF: 176 x 144 pixels
- Up to 30fps at CIF resolution

Audio compression

User programmable ITU G.711 and G.728

Audio I/O

- 3.5mm Line In
- Nominal: 1V p-p
- Maximum: 1.5V p-p
- Signal to noise ratio: 78dB
- 3.5mm Line Out
- Nominal: 1V p-p
- Maximum: 1.5V p-p
- Minimum load impedance: 8 Ω
- Signal to noise ratio: 77dB

Data Input/Output

Serial 1

- Selectable EIA-574 RS232 or EIA-422 RS422
- Maximum baudrate: 115.2Kbps

Serial 2

- EIA-574 RS232
- Maximum baudrate: 115.2Kbps

Binary Input/Output

4 Opto-isolated inputs

- Maximum isolation: 5.3KVrms
- Recommended switch on current: 10mA

2 Solid state relay outputs

- Maximum load (AC/DC): 160V @ 0.1A
- Maximum isolation: 2.5 KVrms

Network Connections

- IEEE 802.3 and IETF standards: 10/100 Base-T Ethernet, TCP, UDP, ICMP and IGMP
- Physical connection via RJ-45

6000 Series Enclosed Metrics

Dimensions

- 167mm (L) x 110mm (W) x 45mm (D)

Weight

- 0.6Kg (excluding power supply)

6000 Series Rack Mount Metrics

Dimensions

Front Panel

- 3U x 7HP (128.4 x 35.22)mm

Card

- 165mm (L) x 100mm (W) x 1.6mm (D)

Weight

- 0.2Kg

Power

- Operating voltage: 5V DC @ 1.2A
- Power consumption: 5W (Min), 7W (Max)

Environment

- Operating: 0 $\text{ }^{\circ}\text{C}$ (32 $\text{ }^{\circ}\text{F}$) to + 50 $\text{ }^{\circ}\text{C}$ (122 $\text{ }^{\circ}\text{F}$)
- Storage: -20 $\text{ }^{\circ}\text{C}$ (-4 $\text{ }^{\circ}\text{F}$) to + 70 $\text{ }^{\circ}\text{C}$ (158 $\text{ }^{\circ}\text{F}$)

Regulatory

- EN 55022(1994) ITE emission standard - Class A
- EN 61000-3-2(1995) mains harmonics - Class A
- EN 55024(1998) ITE immunity standard
- EN 61000-3-3(1995) voltage fluctuation
- CFR47(1995) Part 15 subpart B -Class A (US federal code of regulations)

Table 20: VideoBridge 6000-4 and 6000-4RM Hardware Specification

Hardware Specifications

VideoBridge 6000-1

Video

- 1x NTSC/PAL (BNC) input, composite Video, 75 Ω , 1V p-p (when configured as a server)
- 1 x NTSC/PAL (BNC) output, composite Video, 75 Ω , 1V p-p (when configured as a client)

Video Codec

- ITU-standard H.261
- User configurable bitrate
- User configurable quality
- "4:2:0" YUV color space
- 24-bit color depth
- Choice of resolutions
CIF: 352 x 288 pixels
QCIF: 176 x 144 pixels
- Up to 30fps at CIF resolution

Audio compression

User selectable ITU G.711 and G.728

Audio I/O

- 3.5mm Line In
- Nominal: 1V p-p
- Maximum: 1.5V p-p
- Signal to noise ratio: 78dB
- 3.5mm Line Out
- Nominal: 1V p-p
- Maximum: 1.5V p-p
- Minimum load impedance: 8 Ω
- Signal to noise ratio: 77dB

Data Input/Output

Serial 1

- Selectable EIA-574 RS232 or EIA-422 RS422
- Maximum baudrate: 115.2Kbps

Serial 2

- EIA-574 RS232
- Maximum baudrate: 115.2Kbps

Binary Input/Output

2 Opto-isolated inputs

- Maximum isolation: 5.3KVrms
- Recommended switch on current: 10mA

1 Solid state relay outputs

- Maximum load (AC/DC): 80V @ 0.1A
- Maximum isolation: 2.5 KVrms

Network Connections

- IEEE 802.3 and IETF standards: 10/100 Base-T Ethernet, TCP, UDP, ICMP and IGMP
- Physical connection via RJ-45

Enclosed Metrics

Dimensions

- 167mm (L) x 80mm (W) x 45mm (D)

Weight

- 0.5Kg (excluding power supply)

Power

- Operating voltage: 5V DC @ 1.2A
- Power consumption: 5W (Min), 7W (Max)

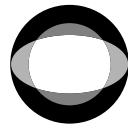
Environment

- Operating: 0 $\text{ }^{\circ}\text{C}$ (32 $\text{ }^{\circ}\text{F}$) to + 50 $\text{ }^{\circ}\text{C}$ (122 $\text{ }^{\circ}\text{F}$)
- Storage: -20 $\text{ }^{\circ}\text{C}$ (-4 $\text{ }^{\circ}\text{F}$) to + 70 $\text{ }^{\circ}\text{C}$ (158 $\text{ }^{\circ}\text{F}$)

Regulatory

- EN 55022(1994) ITE emission standard - Class A
- EN 61000-3-2(1995) mains harmonics - Class A
- EN 55024(1998) ITE immunity standard
- EN 61000-3-3(1995) voltage fluctuation
- CFR47(1995) Part 15 subpart B -Class A (US federal code of regulations)

Table 21: VideoBridge 6000-1 Hardware Specification



IndigoVision