bosch vip x1 xf manual

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Other applications are not permitted. In the event of questions concerning the use of the unit which are not answered in this manual, please contact your sales partner or Bosch Sicherheitssysteme GmbH WernervonSiemensRing 10 85630 Grasbrunn Germany www.boschsecurity.com. Check that the delivery is complete and in perfect condition. Arrange for the unit to be checked by Bosch Security Systems if you find any damage.With an additional license, the user data itself can be encrypted.For more information about the LEDs, see Section 8.4 LEDs, page 115. For terminal block assignment, see Section 8.8 Terminal block, page 117.Additional parameters You can check and set additional parameters with the assistance of the Configuration Manager application in Bosch Video Client. You can find detailed information on this in the documentation for these applications.Depending on the unit and network configuration, each VIP X1 XF can have up to 25 Web browser connections or up to 50 connections via Bosch Video Client or Bosch Video Management System. Clicking the Set button saves the settings only in the current field. Changes in any other fields are ignored.The camera name makes the task of administering cameras in larger video monitoring systems easier, for example using the Bosch Video Client or Bosch Video Management System programs. Confirm password In each case, enter the new password a second time to eliminate typing mistakes.This supports a high level of accuracy and is required for special applications and subsequent function extensions.Certain applications Bosch Video Client, Bosch Video Management System use the IP address for the unique assignment of the unit. If you use these applications, the DHCP server. If you do not want any audio data to be transmitted, select Off. Line In You can set the line input gain. Line Out You can set the line output gain.http://marinapogon.pl/complete-log4j-manual-pdf-download.xml

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The camera name makes the task of administering cameras in larger video monitoring systems easier, for example using the Bosch Video Client or Bosch Video Management System programs. Special characters are not supported by the systems internal management. Confirm password In each case, enter the new password a second time to eliminate typing mistakes.Select other values from the list fields below the table to change the entry.This supports a high level of accuracy and is required for special applications and subsequent function extensions. Select Time server for a time server that works with the protocol RFC 868.After activation, all images are marked with an icon. The icon indicates if the sequence live or saved has been manipulated see Section Display stamping, page 97.Select the appropriate protocol for the connected camera here. File for system log Enter the path for saving the system log here. If necessary, click Browse to find a suitable directory.Check your setting in the image window next to the slide controls.In the default setting, Stream 1 is transmitted for alarm connections and automatic connections. Bear this fact in mind when assigning the profile.The encoder delivers the best possible quality within this control range while maintaining the maximum bit rate. Default Click Default to return the profile to the factory default values.Click the Preview button.Picture quality This setting allows you to define the picture quality. Low quality requires a lower bandwidth in the network.The default value is G.711. Select L16 if you want better audio quality with higher sampling rates. This requires approx.This is an external program for configuring recording tasks for video servers. For further information please contact your local customer service at Bosch Security Systems. Click the Remove button below the list.These documents can be found on the product CD supplied.Click the Clear All button to deselect all of the

intervals.

When you are finished, click the Set button to save the settings in the unit.Destination password If the remote station is password protected, enter the password here.The VIP X1 XF can use this general password to connect to all remote stations protected with the same password. Audio Select the On option if you wish to additionally transmit a standalone G.711 encoded audio stream with alarm connections.A new window opens in which you can select the profile file and specify where to save the file. VCA configuration Select one of the profiles here to activate it or edit it.If you select one of these algorithms, you can set the corresponding parameters here directly. Run a series of tests at different times of the day and night to ensure that the video sensor is operating as intended.Click OK to save the configuration. Click the close button X in the window title bar to close the window without saving the changes.Click the Clear All button to deselect all of the intervals.The process must be repeated for deleting additional days.Attach JPEG from camera Click the checkbox to specify that JPEG images are sent from the camera. An enabled video input is indicated by a check mark.If it was not successful, an error message will be displayed with further information.Trigger relay Click the button to trigger the relay manually for testing or to operate a door opener, for example.If you wish to use the serial port to transmit transparent data, select Transparent.Parity check Select the type of parity check. Interface mode Select the desired protocol for the serial interface.In this case, the Set button changes to Set and Reboot. Make the desired changes. Click the Set and Reboot button.Certain applications Bosch Video Client, Bosch Video Management System use the IP address for the unique assignment of the unit. If you use these applications, the DHCP server. Status The status of the DynDNS function is displayed here for information purposes.

You cannot change any of these settings.If you enter one or two SNMP host addresses, SNMP traps are sent automatically.Select Off to deactivate the TCP metadata function. Sender IP address Enter the IP address of the TCP metadata sender here.To do this, transfer the current firmware package to the unit via the selected network.If you wish to upload multiple files onto the VIP X1 XF, you must select them consecutively.Bosch Sicherheitssysteme GmbH Installation and Operating Manual. If the CD does not start automatically, open the root directory of the CD in Windows Explorer and doubleclick MPEGAx.exe. Follow the onscreen instructions.During initial installation, confirm the security questions that appear.Depending on the unit and network configuration, each VIP X1 XF can have up to 25 Web browser connections or up to 50 connections via Bosch Video Client or Bosch Video Management System. The icon will be red when the relay is activated.To do this, move the cursor over the i icon.Click Export to FTP to send the selected recordings to the FTP server. The information below the button allows you to monitor the export.The default value of 100% represents real time speed.As soon as you leave the page all bookmarks are deleted.It allows you to integrate your existing components into a simpletocontrol system or into the entire Bosch range, benefiting from a complete security solution based on the latest technology and years of experience. The IP address can be changed as described in the Installation chapter see Section 4.5 Setup using Bosch Video Client, page 20. If necessary, back up the current configuration using the Download button on the Maintenance configuration page see Section 5.43 Advanced Mode Maintenance,. Your Bosch product is designed and manufactured with highquality materials and components which can be recycled and reused.

This symbol means that electrical and electronic equipment, at their endoflife, should be disposed of separately from your household waste. You can view a range of information about your unit version on the System Overview page see Section 5.45 Advanced Mode System Overview, page 93. Create a rule in the local empty fields.The POWER LED flashes Firmware upload failed.LINK LED Ecoversion only Lights up green Network connection established. ACT LED Ecoversion only Lights up orange Data transmission via network connection.The mode used depends on the current configuration see

Section 5.37 Advanced Mode COM1, page 80.Use the onscreen commands in the various submenus to do this.Used in computers in the form of CF cards, digital cameras and Personal Digital Assistants PDA. Internati onal, national and any regional electrical engineering regulations must be followed at all time s. Relevant knowledge of network technology is required. The manual describes the installation and operation of the unit. 1.2 Conv entions in this manual In this manual, the following symbols and no tations are used to draw attention to special situations 1.3 Intende d use The VIP X1 XF network video serve r transfers video, audio an d control signals over data networks Ethernet LAN, Inte rnet. There are various memory o ptions for recording the images captured by the connected camera. The un it is intended for use with CCTV systems. Various functions can be triggered automatically by incorporating external alarm sensors. In the event of questions concerning the us e of the unit which are not answered in this manual, please contact your sales partner or Bosch Sicherheitssysteme GmbH WernervonSie mensRing 10 85630 Grasbrunn Germany www.boschsecurity.com CAUTION! This symbol indicates that failur e to follow the safety instructions described may endanger persons and cause damage to the unit or other equipment. It is associated with immediate, direct hazards. NOTICE!

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This symbol refers to features and indicates tips and information for easier, more convenient use of the unit. Arrange for the unit to be checked by Bosch Security Systems if you find any damage. If necessary, you can install the requ ired programs and cont rols from the product CD supplied see Section 3.1 Scope of delivery, page 9 . The Web browser must be configur ed to enable Cookies to be set from the IP address of the unit. In Windows 7, deactivate protected mode on the Security tab under Internet Options. You can find notes on using Microsoft Internet Expl orer in the online He lp in Internet Explorer. VIP X1 XF is available as standard or Ecoversion. With its encoding in the H.264 format, the VIP X1 XF is ideally suited for making existing analog CC TV cameras IPcompatible and for remote access to digital VCRs and multiplexers. The use of existing networks means that integrati on with CCTV systems or local networks can be achieved quickly and easily. Two units, for example a VIP X1 XF as a sende r and a VIP XD as a receiver, can create a standalone system for data transfer without a PC. Video images from a single sender can be received simultaneously on multiple receivers. Audio signals can also be transmitted from and to compatible units. Receiver Compatible H.264 enabled hardware decoders for example the VIP XD can be used as receivers. Computers with decoding software su ch as VIDOS or computers with the Microsoft Internet Explorer Web browser ca n also be used as receivers. Video encoding The VIP X1 XF uses the H.264 video compression s tandard. Thanks to efficient encoding, the data rate remains low even with high image quality and can also be adapted to local conditions within wide limits. Audio encoding The VIP X1 XF uses the G.711 and L16 audio co mpression standards. G.711 is the default setting both for live transmission and record ing. When configurin g with a Web browser, you can select L16 for recording.

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Using video manageme nt systems, L16 is also available for live audio. Dual Streaming Dual Streaming allows the incoming data stream to be encoded simultaneously according to two different, individually customized profil es. This feature creates two data streams that can serve different purposes, for example one for recording and one optimized f or live transmission over the LAN. Multicast In suitably configured networks, the multicast function enables simultaneous realtime video transmission to multiple receivers. The UDP and IGMP V2 protocols must be implemented on the network for this function. Encryption The VIP X1 XF offers a variety o f options for protection against unauthorized reading. Web browser connections can be protected using HTTP S. You can protect the control channels via the SSL encryption protocol. With an additional lice nse, the user data itself can be encrypted. Video content analysis and t amper detection The VIP X1 XF offers a

wide ran ge of configuration options for alarm signaling in the event of tampering with the connected camera. An algo rithm for detecting mo vement in the video image is also part of the scope of delivery. The standard version optionally can be extended to include special video analysis algorithms. Snapshots Individual video frames snapshots from the VIP X1 XF can be called up as JPEG images, stored on the computers ha rd drive or di splayed in a separate b rowser window. Recordings Various local memory options enable the VIP X1 XF to be used as a digital VCR. A connection to an appro priate ly configur ed iSCSI sy stem enables longterm recordin gs with high image quality over the network. Backup A function for storing the video images displa yed on the hard drive of your computer is available on the LIVEPAGE as well as on the RECORDINGS page. Video sequences can be stored by means of a mouse click and can be redisplayed usi ng the Pl ayer program supplied as part of the scope of delivery.

Select a suitable location for installation that guarantees to meet the environmental conditions. The relative humidity mu st not exceed 95%. The VIP X1 XF generates heat during operation, so you should ensure that there is adequate ventilation and enough clearance between th e unit and heatsensitive objects or equipment. The loadbearing capacity must be adequate for four tim es the weight of the unit. If mounting the unit in a vertical position, you will need to use the lower plastic frame and then place the unit onto the frame from above. If mounting the unit in a horizontal position, you can use either of the two frames. The audio signals are transmitted twoway and in sync with the video signals. As a result, you can connect a speaker or door intercom system at the destination point, for example. The following specifications should be complied with in all cases. The stereo plug must be connected as follows. SD slot You can insert an SD card into the SD CARD slot to enable recordings to be saved locally. SD cards are the ideal solution fo r shorter storage times and temp orary recordings, for example alarm recordings or loca l buffering in the event of network interruptions. Playing back recordings is also possible us ing a different VIP X1 XF. 1 LINE IN Impedance 9 kOhm typ., 5.5 V pp max. input voltage 1 LINE OUT3 V pp typ.The release letter for the current firmware version includes a list of compatible SD cards. CAUTION! If the card is formatted, all exis ting data is delete d from the card. You should therefore check whether the SD card contains any data that needs to be backed up before it is inserted. The conne ction supports the RS232, RS422 and RS485 transmission standards. The VIP X1 XF offers the serial interfac e via the orange terminal block see Section 8.8 Terminal block, page 117 . The range of controllable equipment is expa nding constantly. The manufacturers of the relevant equipment provide specific in formation on installation and control.

Alarm inputs The VIP X1 XF standard version has two alarm inpu ts on the orange terminal block, the Eco version has one alarm input see Section 8.8 Terminal block, page 117 . The alarm inputs are used to connect to external alarm devices such as door co ntacts or sensors. With the appropriate config uration, an alarm sensor can automa tically connect the VIP X1 XF to a remote location, for example. A zero potential closing contact or switch can be used as the actuator. Connect the lines to the appr opriate terminals on the oran ge terminal block standard version IN1 and IN2, Ecoversion IN and check that the connection is secure. Relay outputs The VIP X1 XF standard version has two relay outputs f or switching external units such as lamps or alarm sirens. The Ecoversion has on e relay output. You can operate these relay outputs manually while there is an active conne ction to the VIP X1 XF. The outputs can also be configured to automatically activate sirens or other alarm units in response to an alarm signa l. The relay outputs are also located on the orange terminal block see Section 8.8 Terminal block, page 117 . Connect the lines to the appr opriate terminals on the oran ge terminal block standard version R1 and R2; Ecoversion R and check that the connection is secure. CAUTION! Please take note of the appropriate documentation when installing and operating

the unit to be controlled. The documentation contains impo rtant safety instructions and information about permitted uses. NOTICE! A video connection is necessary to transmit transparent data. NOTICE! If possible, use a bouncefree contact system as the actuator. CAUTION! A maximum load of 30 V pp and 200 mA SELV may be applied to the relay contacts. Connect the VIP X1 XF to the power supply unit and plug th is into the mains. The unit is now ready for use. The VIP X1 XF does not come su pplied with a power supply unit. 1.

Standard version plug the terminal block with the PSU cable connected to it into the orange socket on the VIP X1 XF. Ecoversion connect the power supply unit to the 12V DC socket on the VIP X1 XF. The jack must fit a pin of 2 mm 0.0 79 in in diameter polarity . 2. Connect the power supply unit to the mains. The VIP X1 XF is ready for use as soon as the POWER LED changes from a red light, indicating the startup procedure, to a green light. Provided the network connection has bee n corr ectly made, th e green LE D standard version ETH; Ecoversion LINK also lights up. The lit orange LED standard version ETH; Ecoversion ACT signals that data packets are be ing transmitted via the network. 4.5 Setup using Bosch V ideo Client The Bosch Vi deo Client program can be fo und on the product CD s upplied. This program allows you to implement and set up the encoder in the network quickly and conveniently. CAUTION! Use only power supply units with UL approv al and a power output according to LPS or NEC Class 2. Where necessary, use suitable equipment to ens ure that the power supply is free from interference such as voltage surges, spikes or voltage drops. Do not connect the VIP X1 XF to the power supply unti l all other connect ions have been made. NOTICE! Using Bosch Video Client to set all paramete rs in the VIP X1 XF is an alternative to configuration by means of a Web browser, as described in chapter 5 of this manual. Additional parameters You can check and set additional parameters with the assistance of the Configuration Manager application in Bosch Video Client. You can find detailed information on this in the documentation for these applications. If necessary, you can install the program from the product CD supplied. 1. Insert the product CD into the computers CDROM drive. If the CD does not start automatically, open the root directory of th e CD in Win dows Explore r and doubleclick MPEGAx.exe. 2. Follow the onscreen instructions. NOTICE!

Also note the information in the System Requirements document on the product CD supplied. If necessary, you can install the requ ired programs and cont rols from the product CD supplied see Section 3.1 Scope of delivery, page 9 . You can find notes on using Microsoft Internet Expl orer in the online He lp in Internet Explorer. The connection is established and after a short time you will see the LIVEPAGE with the video image. Maximum number of connections If you do not connect, the unit may have reached its maximum number of connections. Depending on the unit and network configurati on, each VIP X1 XF can have up to 25 Web browser connections or up to 50 connecti ons via Bosch Video Cl ient or Bosch Video Management System. To configure the unit, you must connect the VI P X1 XF directly to a computer using a network cable. This is because communication vi a the network is not enabled until the Identity and Password parameters have been set and success fully authenticated see Section Authentication, page 87 . 5.2 Configuration menu The SETTINGS page provides access to the configuratio n menu, which contains all th e units parameters arranged in groups. You can view the current settings by opening one of the configuration screens. You can change the setti ngs by entering new values or by selectin g a predefined value from a list field. This allows you to change the basic settings with just a few entries and then put the device into operation. Advanced Mode is recommended for expert users or system support personnel. You can access all device parameters in this mode. Se ttings that affect the fundamental functionality of the device such as firmware updates can only be altered in Advanced Mode. All parameter groups are described in this chapter in the order in which they are liste d in the configuration menu, from the top of the screen to the bottom. All settings are backed up in the VIP X1 XF memory so they are not lost even if the powe r fails. NOTICE!

The VIP X1 XF offers the option to limit the exte nt of access using variou s authorization levels see Section 5.1 1 Advanced Mode Passwor d, page 35 . CAUTION! The settings in the Advanced Mode sh ould only be processed or modified by expert users or system support personnel. The Web brows er opens a new page with the configuration menu. Navigation 1. Click one of the menu items in the le ft window margin. The corresponding submenu is displayed. 2. Click one of the entries in the submenu. The Web browser open s the corresponding page. Making changes Each configuration screen shows the current settings. You can change the setting s by entering new values or by selecting a pred efined value from a list field. After each change, click Set to save the change. CAUTION! Save each change with the associated Set button. Clicking the Set button saves the settings only in the current field. Changes in any other fields are ignored. For this reason, enter a name that makes i t as easy as possible to quickly identify the location. Camera 1 The camera name makes it easier to identify th e remote camera location, in the event of an alarm for example. It will be disp layed in the video screen if config ured to do so see Section Cam era name st amping, pag e 38 . The camera name makes the task of administering cameras in larger video monitoring systems ea sier, for example using the Bosch Video Client or Bosch Video Management System programs. Enter a unique, unambiguous name for the camera in this field. Password A VIP X1 XF is generally protected by a password to prevent unauthorized access to the unit. You can use different authoriz ation levels to limit access. The VIP X1 XF operates with three authorization levels service, user and live. The highest authorization level is servi ce. After entering the correct password, you can access all the functions of the VIP X1 XF an d change all configuration settings.

Special characters are not supported by the systems internal management. Special characters are not supported by the systems internal management. It can only be used to view the live video image and switch between the different live image displays. You can define and change a password for each authorization level if you are logged in as service or if the unit is not password protected. Enter the password for the appr opriate authorization level here. The maximum password text length is 19 characters. Confirm passw ord In each case, enter the new password a s e cond time to eliminate typing mistakes. NOTICE! Proper password protection is only guaranteed when all higher authorization levels are also protected with a password. If a live password is assigned, for example, a service and a user password must also be set. When assigning pa sswords, you should there fore always start from the highest authorization level, service, and use different pas swords. If necessary, you can synchronize the unit with your computers system settings. Click the Sync to PC button to copy your computers system time to the VIP X1 XF. Time server IP address The VIP X1 XF can receive the time signal from a time se rver using various time server protocols, and then use it to set the internal cl ock. The unit polls the time signal automatically once every minute. Enter the IP address of a time server here. Time server type Select the protocol that is supported by the selected time server. Preferably, you should select SNTP server as the protoc ol. This supports a high leve l of accuracy and is required for special applications and subsequent function extensions. Select Time server for a time server that work s with the protocol RFC 868. In this case, the Set button changes to Set and Reboot. 1. Make the desired changes. 2. Click the Set and Reboot button. The VIP X 1 XF is reboot ed and the changed settings are activated.

DHCP If a DHCP server is employed in the network for the dynamic ass ignment of IP addresses, you can activate acceptance of IP addresses automatically assigned to the VIP X1 X F. Certain applications Bosch Video Client, Bo sch Video Management System use the IP address for the unique assignment of the unit. If you use these applications, the DHCP server must support the fixed assignment between IP address and MAC address, and must be appropriately set up so that, once an IP address is assigned, it is retained each time the system is rebooted. IP address Enter the desired IP addres s for the VIP X1 XF in this field. The I P address must be valid for the network. Subnet mask Enter the appropriate subnet mask for the selected IP addre ss here. Gateway address If you want the unit to establish a connection to a remote location in a different subnet, enter the IP

address of the gateway here. Otherwise leave the box blank 0.0.0.0 . CAUTION! If you change the IP address, subnet mask or gateway address, the VIP X1 XF is only available under the new addresses after the reboot. Preprogrammed prof iles are availa ble, each giving priority to diffe rent perspectives. When selecting a profile, details are displayed in the list field. The names and the technical details for the enco der profiles depend on the configura tion of the device. If you connect via Web browser, you must activate the audio transmission on the LI VEPAGE Functions page see Section 5.15 Advanced Mode LI VEPAGE Functions, page 41 . Fo r other connections, the transmission depends on th e audio se ttings of the respective system. Audio The audio signals are sent in a separate data stream parallel to the video data, and so increase the network load. The audio data are encoded a ccordin g to G.711 and re quire an additional bandwidth of approx. 80 kbps per conne ction in ea ch direction. If you do not want any audio data to be transmitted, select Off. Line Out You can set the line output gain.

Here you can start or stop the recording. 5.9 Basic Mode Syst em Overview The data on this page are for information purposes only an d cannot be changed.The name makes the task of administering multiple units in larger video mo nitoring systems easier, for example usin g the Bosch Video C lient or Bosch V ideo Management Sy stem programs. The device name is used for the remote identifi cation of a unit, in the event of an alarm for example. For this reason, enter a name that makes it as easy as possible to quickly identify the location. It will be displayed in the video screen if configured to do so see Section Camera name stampin g, page 38 . The camera name makes the task of administering cameras in larger video monitoring systems ea sier, for example using the Bosch Video Client or Bosch Video Manage ment System programs. Enter a unique, unambiguous name for the camera in this field. You can use both lines for this. You can use the second line for entering additi onal characters; these can be selected from a table. 1. Click the icon next to the second line. A ne w window with the character map is opened. 2. Click the required character. Special characters are not supported by the systems internal management. Initiator extension You can attach your own text to th e initiator name of the VIP X1 XF to make the unit easier to identify in large iSCSI systems. This text is added to the initiator name, separated from it by a full stop. You can see the initiator name in th e system overview see Section 5.9 Basic Mode System Overview, page 32 . Password The VIP X1 XF operates with th ree authorization levels service, user and live. The highest authorization level is service. After entering the correct password, you can access all the functions of the VIP X1 XF and change all configuration settings. With the user authorization level, you can operate th e unit, play back recordings and also control cameras, for example, but you cannot change the configuration.

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