





## Toshiba Surveillix IKS-WP816R User Manual

Network camera



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# NETWORK CAMERA

# Surveillix

## Model: IKS-WP816R

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## [IP Camera Toshiba IK-WB02A Specifications](#)

Ip network camera (2 pages)

## [IP Camera Toshiba IK-HR1D Specification](#)

Ultra compact 1080p/60 fps cmos hd camera (2 pages)

## [IP Camera Toshiba Camileo S20 User Manual](#)

(49 pages)

# Summary of Contents for Toshiba Surveillix IKS-WP816R

## [Page 1: Network Camera](#)

NETWORK CAMERA Model: IKS-WP816R User's Manual For information on our latest products and peripheral devices, refer to the following web site: [www.toshibasecurity.com](http://www.toshibasecurity.com) If the URL changes, refer to [www.toshiba.com](http://www.toshiba.com) 30875AC...

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## [Page 4: Important Safeguards](#)

Important Safeguards Read Instructions Read all the safety and operating instructions before operating the product. Retain Instructions Retain the safety instructions and user's manual for future reference. Warnings Comply with all warnings on the product and in the user's manual. Follow Instructions Follow all operating and use instructions.

[Page 5](#) For additional protection on this camera during a lightning storm, or when it is left unattended and unused for long periods of time, unplug it from the wall outlet and disconnect the power supply and cable system. This will prevent damage to the camera due to lightning and power line surges.

[Page 6](#) Precautions Operating • Before using, make sure power supply and other cables are properly connected. • While operating, if any abnormal condition or malfunction is observed, stop using the camera immediately and then contact your local dealer. Handling • Do not disassemble or tamper with parts inside the camera. •...

[Page 7](#) • Accordingly, Toshiba disclaims any and all liability arising out of the use of the product in any critical applications. Regulation...

[Page 8](#) This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) This device must accept any interference received, including interference that may cause undesired operation. NOTE: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules.

[Page 9](#) THIS INSTALLATION SHOULD BE MADE BY A QUALIFIED SERVICE PERSON AND SHOULD CONFORM TO ALL LOCAL CODES. REFER SERVICING TO QUALIFIED PERSONNEL ONLY. Caution C A U T I O N RISK OF ELECTRIC SHOCK DO NOT OPEN CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK).

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## [Page 14: Introduction](#)

INTRODUCTION OVERVIEW The IKS-WP816R IP camera can transmit video in H.264 and MJPEG, up to 2MP (1080p) high definition video. The IKS-WP816R is capable of quad and dual streaming both codecs at various resolutions. The camera's IR cut filter and wide dynamic range imaging make it perfect for installations with difficult lighting conditions.

## [Page 15: Getting Started](#)

GETTING STARTED CAMERA CONTENTS Before proceeding, please check that the box contains the items listed here. If any item is missing or has defects, do not install or operate the product and contact your dealer for assistance. 1 M3 Standard Screw 1 M3 Security Screw 1 M5 Standard Screw Dome Body...

## [Page 16: Dome Setup And Cable Connection](#)

DOMES SETUP AND CABLE CONNECTION Before installing or connecting the dome camera, please refer to this section and complete preparations for dome setup and all switch settings. Preparations for Dome Setup The following installation procedure is for the outdoor dome equipped with the sunshield housing.

[Page 17](#) Remove the protective cover and PE sheet. Apply some lubricant on the cover's waterproof gasket. This helps make the installation process smoother. Attach the dome cover to the camera body. Note that the tiny protrusion on the cover must align with one of the four holes on the camera body.

[Page 18](#) Using both hands, gently press the dome cover. DO NOT press the dome itself as this may cause damage to the dome or camera. Screw the dome cover and body together.

## [Page 19: Dome Camera Setup](#)

Dome Camera Setup Switch Definition Please refer to the following figure for connection and switch locations and definitions. Alarm input/output connections Reboot Power connection Audio connection RJ-45 connector SD card Do not change the settings on the camera's settings switches. Leave the Note switches at the factory default settings.

## [Page 20: Dome Cable Definition And Requirements](#)

Dome Cable Definition and Requirements For operation, the IP dome camera requires a network cable to carry the video signals to the remote viewing site and a power cable to power the dome. Cable Requirements For operation, the IKS-WP816R IP camera requires 24V AC power to the dome. Power Wire Length Specifications Wire Maximum...

## [Page 21: Power Connection](#)

The 'notches' on the left side of the graphic above Note correspond to notches in the green plastic of the power connector. Be careful not to pull the cables improperly during installation. Toshiba Note suggests that you fasten the cables after installation is complete.

## [Page 22: 12-Pin Alarm Input/Output Connection](#)

12-Pin Alarm Input/Output Connection Using the 12-pin connector, installers can connect 4 digital alarm inputs and 2 digital alarm outputs. The alarm pins are serviceable for connecting alarm input and output devices such as sensors, sirens, or flashing lights to the surveillance system. For the definition of each pin, refer to the list below.

## [Page 23: Dome Installation](#)

DOMESTALLATION OVERVIEW Depending on your installation environment, the dome can be installed on the ceiling, on a wall, or a pole. The following section illustrates installation methods and procedures for installing the dome and mounting accessories. DOMESTENSIONS The dome dimensions are Ø172 x 228.71mm (6.77 x 9.0 inches) and Ø191.97 x 282.11mm (7.5 x 11.1 inches) with the sunshield.

## [Page 24: Optional Accessories](#)

OPTIONAL ACCESSORIES Mounting Accessories Wall Mount Bracket (w/ Anti Drop) Part Number: JK-510W Long Wall Mount Bracket (w/ Anti Drop) Part Number: JK-510WL 50 cm Pole Part Number: JK-510P50 25 cm Pole Part Number: JK-510P25 Corner Mounting Plate Part Number: JK-510C Large Pole Mount Part Number: JK-510PML 1 ¼" ...

[Page 25](#) • Screwdriver Installation Steps: Ensure that the ceiling can support the weight of the dome camera and the Note ceiling pole. Cut a cable access hole in the ceiling. Attach the ceiling pole to the ceiling with the appropriate screws and screw anchors (not provided).

## [Page 26: Wall Mounting With Wall Mount Bracket](#)

Wall Mounting with Wall Mount Bracket Items Needed: Tools Needed: • • Dome Camera Drill • • Wall Mount Bracket or Long Screwdriver Wall Mount Bracket • Waterproof Gasket (supplied) • Screws and Anchors appropriate for the mounting surface (not supplied) Installation: Cut a cable access hole on the wall.

[Page 27](#) Attach the wall mount bracket to the wall with the appropriate screws and screw anchors (not provided). Attach the waterproof gasket to the wall mount bracket. Thread the cables through the top holder and attach the dome to the wall mount bracket with the supplied screws and washers.

## [Page 28: Wall Mounting With Corner Mount](#)

Wall Mounting with Corner Mount The corner mount must be used in conjunction with the wall mount bracket. Items Needed: Tools Needed: • • Dome Camera Drill • • Wall Mount Bracket Accessory Screwdriver • Corner Mounting Plate • Waterproof Gasket (supplied) •...

## [Page 29: Pole Mounting](#)

Pole Mounting The dome can be mounted on a pole with the small or large direct mounting accessory and a wall mount bracket. Items Needed: Tools Needed: • • Dome Camera Stainless Steel Strap Cutter • • Wall Mount Bracket Accessory Screwdriver •...

## [Page 30: Locate Camera](#)

LOCATE CAMERA SURVEILLIX DEVICE SEARCH Use the included Device search software to easily find your network cameras for initial setup. The Surveillix Device search software is included on the CD with all Surveillix IP devices. Installation You can run Device search on any personal computer (PC) or laptop using the software CD included with your Surveillix IP camera or by downloading the program from toshibasecurity.com.

## [Page 31: Device Addressing](#)

Device Addressing The functions on the Device Addressing tab allow you to find, configure, and view network cameras. Finding Network Devices Click Find Devices on the Device Addressing tab. To narrow your search by Camera Model, Project, or Camera Name, select your desired criteria from the appropriate lists.

## [Page 32: Setup & Configuration](#)

Log in to the camera with the appropriate User Name and Password. The default User name is Admin and the default Password is 1234. The Note username and password are case sensitive. Toshiba recommends you change the Admin password for security reasons. Administrator/User



Privileges The Administrator account has the authority to configure the IP camera and authorize users'...

### [Page 33: Connecting A Stream](#)

Connecting a Stream Surveillix IP cameras are optimized for use with Toshiba recorders, but you can also connect to your Surveillix IP cameras using third party software like VLC media player (<http://www.videolan.org>). To connect the camera you may need to provide the stream URL. All Surveillix IP cameras are capable of delivering two RTSP streams, as well as streaming MJPEG over HTTP.

### [Page 34: Connecting Over The Internet](#)

RTSP communication (not just VOIP). With proper planning and the correct equipment, RTSP cameras CAN stream over the WAN to a recording device for minimal additional cost and labor. Please contact Toshiba support if you require any additional information on these topics.

### [Page 35: Viewer Software](#)

VIEWER SOFTWARE To access the setup menu, you need to install the viewer software on your PC or DVR. The viewer software will install automatically the first time you connect to the camera. If your internet browser doesn't install the viewer software, check the security settings or ActiveX controls and plug-in settings.

### [Page 36: Home](#)

Home Screen Size Adjustment Image display size can be adjusted to x1/2 and full screen via the related buttons. To switch between the normal view mode and full screen view mode, users can also move the cursor to the live video pane and right-click to display the screen options. Click Normal View or Fullscreen to set the image display mode.

[Page 37](#) function is only available to users who have been granted this privilege by the Administrator. Snapshot Click the Snapshot button, and a JPEG snapshots will automatically be saved in the designated location on the local workstation. The default place of saving snapshots is: C:\.

### [Page 38: System](#)

System The System tab is only accessible by the Administrator. Note System Host Name The Host Name is used to identify the camera on your system. If camera based Motion Detection is enabled and is set to send alarm message by Mail/FTP, the host name entered here will display in the alarm message.

[Page 39](#) Enable Daylight Savings Time Select to enable daylight savings time, then select the offset, start date and end date. In North America the typical offset is one hour (01:00:00); the start is the second Sunday in March at 2AM (02:00:00), and the end is the first Sunday in November at 2AM (02:00:00).

### [Page 40: Security](#)

Security Admin Password To change the administrator password, type a new password in the Admin Password box and confirm below. The maximum length of the password is 14 characters. The following Note characters are valid: A-Z, a-z, 0-9, !#\$%&'-.@^\_~.

### [Page 41: Add User](#)

Add User The user name and passwords are limited to 16 characters. There is a maximum of twenty user accounts Type the new User name and Password Select the appropriate check boxes to give the user Camera Control, Talk and Listen permissions.

### [Page 42: Network](#)

Network You can choose to use a fixed IP address or dynamic (DHCP) IP address for the camera. Get IP address automatically (DHCP) The camera comes preconfigured with a fixed IP address. Each camera has a unique Media Access Control (MAC) address, which can Note be used to identify the camera on the network.

[Page 43](#) When using static IP address to log in to the IP Camera, you can access it either through Surveillix Device search software or type the IP address directly in the address bar of

your Internet Explorer. General • IP address – The IP Address is necessary for network identification. •...

### [Page 44: Qos \(Quality Of Service\)](#)

QoS (Quality of Service) Quality of Service allows you to prioritize network traffic services of the camera's functions. The QoS function utilizes the Differentiated Services prioritized using Codepoint values (DSCP). Routers and switches on the network must be QoS or DSCP capable, and Note have these settings enabled for this function to operate on your network.

### [Page 45: Upnp \(Universal Plug And Play\)](#)

UPnP (Universal Plug and Play) • Enable UPnP: When enabled the camera will appear in My Network Places on Windows computers running UPnP on the same network. • Enable UPnP Port Forwarding: When enabled the camera will attempt to open the web server port on the router automatically.

### [Page 46: Ddns](#)

DDNS DDNS (Dynamic Domain Name Service) is a service that allows a connection to an IP address using a hostname (URL) address instead of a numeric IP address. Most Internet Service Providers use Dynamic IP Addressing that frequently changes the public IP address of your internet connection;...

### [Page 47: Mail](#)

Mail The camera can send an e-mail via Simple Mail Transfer Protocol (SMTP) when motion is detected or when the sensor input is activated. SMTP is a protocol for sending e-mail messages between servers. SMTP is a relatively simple, text-based protocol, where one or more recipients of a message are specified and the message text is transferred.

### [Page 48: Ftp](#)

The camera can send alarm messages to a specific File Transfer Protocol (FTP) site when motion is detected or when the sensor input is activated. You can assign alarm messages to up to two FTP sites. • Enter the FTP details, which include server, server port, user name, password and remote folder, in the appropriate boxes and click Save when finished.

### [Page 49: Http](#)

HTTP The camera can send alarm messages to a specific Hypertext Transfer Protocol (HTTP) site when motion is detected or when the sensor input is activated. You can assign alarm messages to up to two HTTP sites. • Enter the HTTP details, which include server, user name and password, in the appropriate boxes and click Save when finished.

### [Page 50: Application](#)

Application The IKS-WP816R supports 4 digital alarm inputs and 2 digital alarm outputs. Make sure the alarm connections are properly wired before starting to configure alarm related settings on the Application screen. Refer to the pin definition table below for alarm system wiring.

### [Page 51: Alarm Pin Selection](#)

Alarm Pin Selection Select an alarm pin from the Alarm Pin Selection box and click Edit to start alarm programming.

### [Page 52: Alarm Pin Status Settings](#)

Alarm Pin Status Settings Alarm Setting • Alarm Switch – Enable or disable the alarm function. • Alarm Type – Select an alarm type (Normal Close or Normal Open) that corresponds with the alarm application. Trigger Action (Multi-Option) Specify alarm actions that will take place when the alarm is triggered. •...

[Page 53](#) • PTZ Function – Assign a PTZ function (Preset, Tour, Auto Scan or Pattern) for the camera to perform when this alarm is activated. If Preset is selected, you will be prompted to enter a Dwell Time (1~256). This Note is the time in seconds that the camera will remain at that Preset location, and then it will return to the location that it was pointing at the time the alarm occurred.

## [Page 54: Motion Detection](#)

**Motion Detection** Motion Detection allows the camera to detect motion and trigger alarms when motion in the detected area exceeds the determined sensitivity threshold value. On the Motion Detection page, there is a motion detection window (red box) displayed on the Live View Pane. The Motion Detection window defines the motion detection area. To change the size of the Motion Detection window, drag the edge of the frame to resize.

**Page 55** When motion detection is activated, the Motion pop-up window will open. When motion is detected, the signals will be displayed on the Motion window as shown below Motion Detection Turn motion detection on or off. The default setting is Off. Motion Detection Setting In the Motion window the red line provides a motion detection threshold indication;...

**Page 56** Triggered Action Once motion detection has been fine tuned, the Triggered Action can be configured if you want the camera to take one of these actions upon sensing motion. • Enable Alarm Output – Select to trigger the alarm output on the camera on motion detection.

## [Page 57: Storage Management](#)

**Storage Management** Storage Management allows you to view information about an inserted Micro SD/SDHC card (up to 32GB), format the SD card, adjust cleanup settings, and download or delete files stored on the SD card. Device Information – When a compatible Micro SD/SDHC card is inserted into the camera, information about the card will be displayed in this section.

**Page 58** Recording List - Each file recorded to the Micro SD/SDHC card will be listed in the Recording List. The maximum file is 60MB per file. Note The letters A/M/R appear at the beginning of each file, denoting the type of Note recording.

## [Page 59: Recording](#)

**Recording** The recording schedule allows you to set up scheduled recording to a local Micro SD/SDHC card. Activating Micro SD/SDHC Card Recording To set up continuous micro SD/SDHC card recording: Select Always to continually record until the card is full. To set the camera to overwrite old data, see the instructions for Disk Cleanup Setting earlier in this section.

## [Page 60: Snapshot](#)

**Snapshot** The IKS-WP816R camera supports JPEG snapshot function. You can specify a storage location for the snapshots. The default setting is: C:\. If you are using Windows Vista or 7, you will need to change the Snapshot Note location. Windows UAC does not allow internet programs to write directly to C:\ for security reasons.

## [Page 61: Information](#)

**Information** The Information page contains the System Log, User Information, and Parameter List. System Log Click System Log to view the system log file. The content of the file provides useful information about configuration and connections.

## [Page 62: View User Information](#)

**View User Information** The Administrator can view each user's login information and privileges on the View User Information page All the users in the network are listed under User information. The example below shows that the Admin password is 1234. View User Privilege Select a user account from the list and click get user privacy to view the permissions for the user account.

## [Page 63: Parameter List](#)

**Parameter List** Click Parameter List to view the system parameter settings.

## [Page 64: Software Upgrade](#)

**Software Upgrade** Upgrading the Camera Viewer Software Make sure the software upgrade file is available before starting the software Note upgrade. Click Browse and find the upgrade file. Do not change the file name, or the system will fail to find the file. Note Select the file name from the list under Step 2.

## [Page 65: Maintenance](#)

**Maintenance** On the Maintenance page you can export the camera's current configuration, or import the configuration for a camera. Use the factory default page to reset the IP Camera to factory default settings if necessary. Do not import configuration files from different models of cameras. Note Set Default -To reset the IP camera to the factory default settings, including the default IP address, click Set Default.

## [Page 66: Video And Audio Streaming Settings](#)

**Video and Audio Streaming Settings** On the Streaming tab, the Administrator can configure specific video resolution, video compression mode, video protocol, audio transmission mode, etc. Video Format Select the desired video resolution for the camera on the Video Format page. The recorder will record video based on the resolution selected here.

## [Page 67: Video Resolution](#)

**Video Resolution** The camera provides four codec options under video resolution (two single streaming options and two sets of dual streaming options): • MJPEG only • H.264 only • MJPEG + H.264 • H.264 + H.264 Once a codec option is selected, multiple resolutions are available for each stream. MJPEG Resolutions\* H.264 Resolutions\* 1920x1080...

## [Page 68: Video Rotate Type](#)

**Video Rotate Type** You can change the orientation of the video output if necessary. Normal Video - This is the default rotation designed for a normal setup with the camera mounted with the dome facing down. Flip Video - This option will vertically flip the video image (without the intervention of another device this may cause the reversal of perceived left and right when viewing the image).

## [Page 69: Video Compression](#)

**Video Compression** You can select an MJPEG/H.264 compression mode on the video compression page appropriate for your application. You can also select to display compression information on the Home page. MJPEG Compression settings include: • high compression, low bit rate, low quality •...

## [Page 70: Video Ocx Protocol](#)

**Video OCX Protocol** On the Video OCX protocol page, you can select different protocols for streaming media over the network. In the case of multicast networking, you can select the Multicast mode. Video OCX protocol setting options include: • RTP over UDP •...

## [Page 71: Frame Rate Control](#)

**Frame Rate Control** Setting the camera to transmit fewer frames can save bandwidth. Each of the MJPEG and H.264 streams can have a separate frame rate setting from 1 to 30 frames per second. Higher frame rate will increase video smoothness, as well as file size and Note bandwidth usage.

## [Page 72: Audio](#)

**Audio** On the audio page, the Administrator can select an audio transmission mode and audio bit rate. Audio monitoring and recording laws vary from location to location. It is highly Note recommended that you consult your local, state, and federal laws to verify that you are in compliance before implementing audio recording.

## [Page 73: Bit Rate](#)

**Bit Rate** Selectable audio transmission bit rate include: 16 kbps (G.726) 40 kbps (G.726) 24 kbps (G.726) uLAW (G.711) 32 kbps (G.726) ALAW (G.711). Both uLAW and ALAW signify 64 kbps but in different compression formats. Higher bit rate will provide higher audio quality and require more bandwidth.

## [Page 74: Ptz Settings](#)

**PTZ SETTINGS** Use the PTZ tab to program Presets, Patterns, Auto Scans and Tours via PTZ controls. Additionally, various camera settings including Auto Exposure (AE), White Balance (WB), Back Light Compensation (BLC), Sharpness, Exposure Compensation, etc. also can be set here. Preset Up to 256 Presets can be programmed for the camera.

## [Page 75: Preset Go](#)

**Preset Go** To move the camera view to a specified Preset position: • Select the Preset Point from the list under Preset Go. The camera will move to the target position. Pattern The camera supports up to eight patterns. Note Pattern Setting To create a Pattern: Select a path number from the Pattern Path list.

## [Page 76: Pattern Run](#)

**Pattern Run** Select the specified Pattern from the Pattern Path list and click Run. To view the camera in full screen mode, move the pointer onto the live view pane, right-click and select Fullscreen. To stop running a Pattern, move the cursor to the live view pane and use the PTZ controls to move the camera in any direction.

## [Page 77: Auto Scan Setting](#)

**Auto Scan Setting** To create an Auto Scan path: Select a path number from the Auto Scan Path list. Move the pointer to the live view pane, and move the camera to a desired view as the Start Point of an Auto Scan Path. Click the "Set"...

## [Page 78: Tour](#)

**Tour** The camera supports up to eight Tours; each Tour supports up to 64 Presets. Before setting this function, you must pre-define at least two Presets. Note...

## [Page 79: Tour Set](#)

**Tour Set** On the Tour screen, click Edit to open the Tour Set options. Select the number of the new tour from the Tour Line list at the top of the screen. Select each Preset to add to the tour. Enter the Dwell Time (0~127 seconds) and Speed (0~14) for each Preset.

## [Page 80: Home](#)

**Home** Set up the Home function to ensure constant monitoring. If the camera idles for a period of time, the selected function will be activated automatically and return the camera to the home function setting. The Home function allows constant and accurate monitoring to prevent the camera from idling or missing events.

**Page 81** The camera's Tilt Range is adjustable. The minimum tilt angle can be set between -10° and 10°. The maximum tilt angle can be set between 170° and 190°. • Enter the desired min. and max. tilt angle into the corresponding fields respectively and click Set to save the tilt angle settings.

## [Page 82: Privacy Mask Settings](#)

The Privacy Mask function helps avoid any intrusive monitoring. When you create a mask, Toshiba recommends that you set it at least twice as big (height and width) as the masked object. The camera will assume the center of the selected view as a starting point.

## [Page 83: Mask Setting](#)

**Mask Setting** Activate/Disable Privacy Mask Function Set to On/Off to activate or disable the Privacy Mask function and click Set. Activate/Disable Transparency Mask Set the transparency of the Privacy Mask if necessary. Color Setting Select the desired color from the Color list for the specified Privacy Mask and click Set. Mask Number Specify the number of the programmed Privacy Mask in the corresponding field.

## [Page 84: Camera - Exposure](#)

**Camera — Exposure** On the Exposure screen you can select Full Auto mode or adjust the parameters manually for optimized video output in accordance with the operating environment. Shutter Priority When Shutter Priority is selected the shutter speed takes control of exposure. Shutter speed range is 1/60 ~ 1/10000.

## [Page 85: Camera - White Balance](#)

**Camera — White Balance** A camera uses a reference color temperature, which is a way of measuring the quality of a light source, to calculate all the other colors. The unit for measuring this ratio is degrees Kelvin (K). You can select the White Balance Control according to the

operating environment.

**Page 86** Auto Mode In Auto mode, white balance works within its color temperature range and calculates the best-fit white balance. Indoor/outdoor Mode Select for indoor or outdoor mode. ATW Mode (Auto Tracing White Balance) The Dome Camera takes out the signals in a screen in the range from 2000 K to 10000 Manual Mode In Manual mode, you can change the White Balance value manually by a specifying the R gain and B gain;...

### **Page 87: Camera - Misc1**

Camera — Misc1 In Camera—Misc1, you can set various camera parameters including Backlight Compensation, Sharpness, Exposures Compensation, Image Freeze, Image Flip, Digital Zoom, Speed by Zoom and ICR Function. • BLC – Activate or disable the Backlight Compensation function (On/Off). • ...

**Page 88** • Flip – Track an object continuously when it passes under the camera by setting Flip to Mechanical (M.E.) mode or Digital Flip (Image) mode. • M.E. Mode – M.E. is a standard mechanical operation. As the camera tilts to the maximum angle, it will pan 180°, and then continue tilting to keep tracking objects.

### **Page 89: Camera - Misc2**

Camera — Misc2 In Camera—Misc2, you can set up various functions such Auto Calibration, Wide Dynamic Range, 2D Noise Reduction and TV System. • WDR – Wide Dynamic Range is especially effective in an environment with extreme contrast. • Auto Calibration – Auto Calibration function automatically calibrates the camera when the deviation of dome pivot is detected.

### **Page 90: Camera - Default**

Camera — Default Click Set Default to reset the camera back to factory default settings. LOGOUT Click the Logout tab to open the login window and log in with a different user name and password.

### **Page 91: Specifications**

SPECIFICATIONS CAMERA SPECIFICATIONS Model IKS-WP816R Image Sensor 1/2.8" Sony Progressive CMOS IP Rating IP66 Type / Format H.264 / MJPEG Wide Dynamic Range Minimum Illumination 0.1 Lux (Color) / 0.03 Lux (B&W) (@ 50IRE) Day / Night Yes (True Day / Night) 1080P [1920 x 1080 / 2MP], 1280 x 1024 / 1/3MP, Resolution 720P [1280 x 720 / 1MP], 1024 x 768, 800 x 600,...

### **Page 92: Ptz Specifications**

PTZ SPECIFICATIONS Optical Zoom Pan/Tilt Range 360° Endless / -10° ~ 190° Presets Preset Accuracy ± 0.225° Preset Speed 5° ~ 400°/sec. Pattern Tour (Group) Auto Scan Privacy Mask Zone Title Home Function Preset, Pattern, Tour, Autoscan Auto Flip Image / Mechanical / Off Digital Slow Shutter On / Off Focus Mode...

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