



## **Instruction Manual (Application Part)**

**Mega-pixel Network Camera**

**IPD-BX300**

**IPD-DM300**



**Before start using the manual, read this manual thoroughly  
and handle the device correctly.**

# Table of Contents

|                                                                 |           |
|-----------------------------------------------------------------|-----------|
| <b>1. Introduction.....</b>                                     | <b>1</b>  |
| 1.1 About this Instruction Manual (Application Part).....       | 1         |
| 1.2 Trademarks and Registered Trademarks .....                  | 1         |
| <b>2. Logging In and Logging Out.....</b>                       | <b>2</b>  |
| 2.1 Logging In the Camera.....                                  | 2         |
| 2.2 Logging Out the Camera .....                                | 2         |
| <b>3. Screen Configuration .....</b>                            | <b>3</b>  |
| 3.1 Displaying the Video.....                                   | 3         |
| 3.2 Setting the Camera and the Network .....                    | 3         |
| <b>4. Basic Settings .....</b>                                  | <b>4</b>  |
| 4.1 Information .....                                           | 4         |
| 4.2 Network Settings .....                                      | 4         |
| <b>(1) Network</b> .....                                        | <b>5</b>  |
| <b>(2) RTSP</b> .....                                           | <b>6</b>  |
| 4.3 Image Parameters.....                                       | 7         |
| <b>(1) Codec</b> .....                                          | <b>7</b>  |
| <b>(2) Exposure</b> .....                                       | <b>9</b>  |
| <b>(3) White Balance</b> .....                                  | <b>10</b> |
| <b>(4) Basic Color</b> .....                                    | <b>10</b> |
| <b>(5) Remote Lens Control (Valid only for IPD-DM300)</b> ..... | <b>11</b> |
| <b>(6) Privacy Zone</b> .....                                   | <b>12</b> |
| 4.4 Account Management.....                                     | 13        |
| <b>(1) Account Setting</b> .....                                | <b>13</b> |
| <b>(2) User List</b> .....                                      | <b>13</b> |
| <b>(3) Save</b> .....                                           | <b>13</b> |
| 4.5 Event Settings .....                                        | 14        |
| <b>(1) Motion Detection</b> .....                               | <b>14</b> |
| <b>(2) Alarm I/O</b> .....                                      | <b>15</b> |
| 4.6 System Settings .....                                       | 16        |
| <b>(1) Date &amp; Time</b> .....                                | <b>16</b> |
| <b>(2) Audio</b> .....                                          | <b>17</b> |
| <b>(3) Firmware</b> .....                                       | <b>17</b> |
| <b>(4) Initialize</b> .....                                     | <b>18</b> |
| 4.7 Event Log .....                                             | 18        |
| <b>5. Others .....</b>                                          | <b>19</b> |
| 5.1 Troubleshooting.....                                        | 19        |

# 1. Introduction

## 1.1 About this Instruction Manual (Application Part)

This manual describes the setting methods of the following cameras from the PC via the network.

- IPD-BX300 (Box-type mega-pixel network camera)
- IPD-DM300 (Dome-type mega-pixel network camera)

This document can be downloaded from the following URL.

<http://www.ikegami.co.jp/en/products/download/security.html>

For the installation and introduction of this device, please refer to the Instruction Manual Introduction Part delivered with the camera.

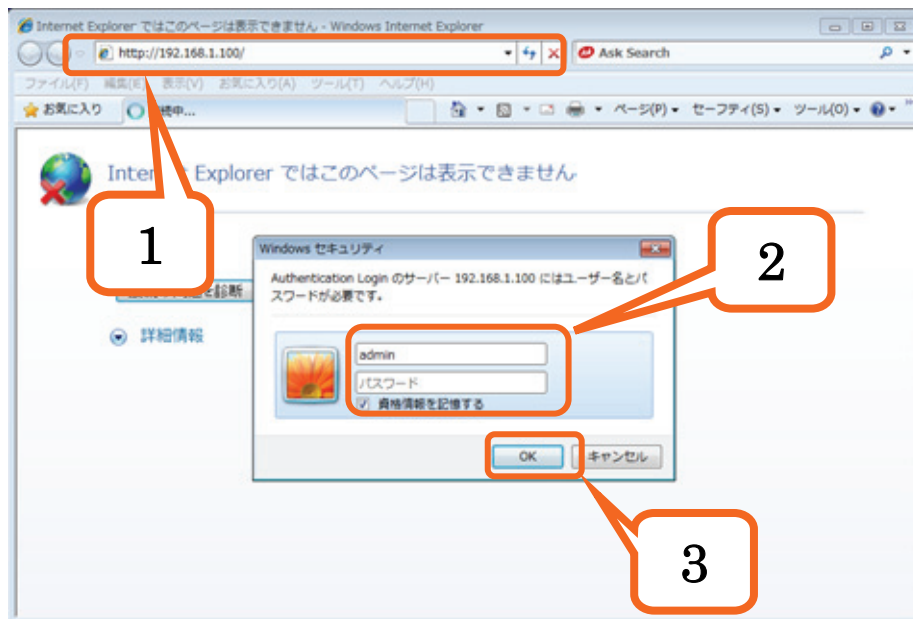
Adobe Reader Japanese version is required to view the PDF file. Please download and install the latest version of Adobe Reader from the web site of Adobe Systems Incorporated.

## 1.2 Trademarks and Registered Trademarks

- Microsoft, Windows, and Internet Explorer are the trademarks or the registered trademarks of Microsoft Corporation in the United States and other countries.
- Adobe and Reader are the trademarks and registered trademarks of Adobe Systems Incorporated in the United States and other countries.
- Other company names and product names are the trademarks or the registered trademarks of each company.

## 2. Logging In and Logging Out

### 2.1 Logging In the Camera



1. Start up the Internet Explorer.
2. Enter the URL of the camera to change the setting in the address bar and press the “Enter” key.
  - The corresponding browser is Internet Explorer 8.0.
  - The default setting is <http://192.168.1.100/>.
  - The input window for the network password opens.
3. Enter the login name (user name) and the password of the administrator.
  - In the default setting, the login name and the password of the administrator are both “**admin**.”
  - If you forget the login name and the password, please contact your dealer.
4. After inputting the login name and the password, click .

If the setting screen of the camera opens, the login process completes.

### 2.2 Logging Out the Camera

Click  at the upper right corner of the browser to finish the browser.

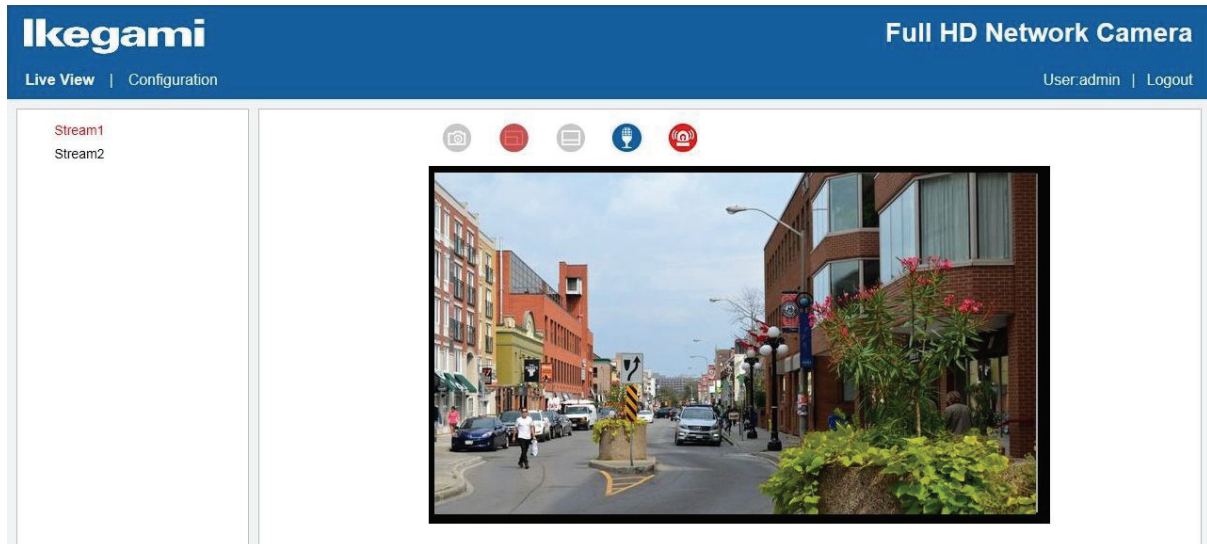
### 3. Screen Configuration

When logging in the camera, selecting “Live View” and “Configuration” become possible.

#### 3.1 Displaying the Video

Displaying the video is possible by clicking “Live View.”

By using “Stream 1” and “Stream 2,” two different encode sizes and frame rates can be delivered simultaneously.



| Icon                                                                                | Description                                                               |
|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------|
|  | “Snapshot” enables saving the still image in the PC.                      |
|  | “Fit” displays the screen in a size that concise the actual display size. |
|  | “1:1” displays the screen in a size that concise the actual screen size.  |
|  | “Audio Input” turns on/off the audio input function.                      |
|  | “Motion” indicates the sign when the motion is detected in the image.     |

\* Right clicking on the screen indicates the plug-in version of the browser.

#### 3.2 Setting the Camera and the Network

Selecting “Configuration” enables various settings.

Details are explained in the following pages.

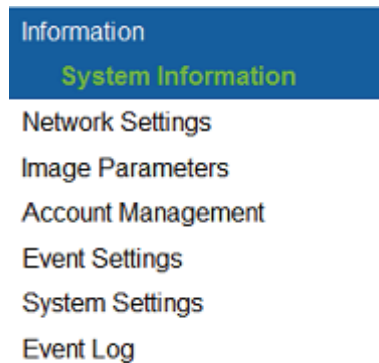
## 4. Basic Settings

In the basic settings, settings of the network and video distribution are possible.  
Before installing this device, it is necessary to set the network.

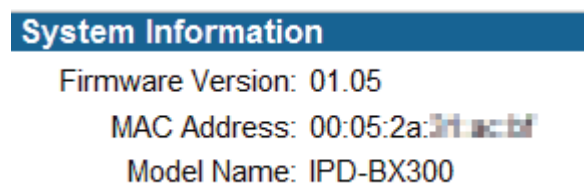
### 4.1 Information

It indicates the version information.

Click **Information** from the menu at the left section of the screen.



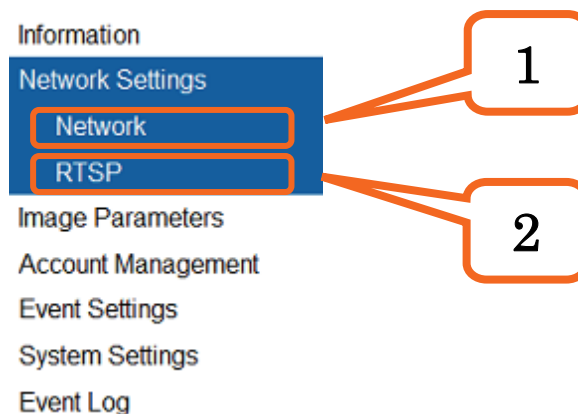
The system information including the firmware version, MAC address, and model name is indicated at the center of the screen.



### 4.2 Network Settings

It sets the network.

Click **Network Settings** from the menu at the left section of the screen.



## (1) Network

In order to connect this device to the LAN or the network, it is necessary to set the network. When the settings are changed, be sure to click the **“SAVE”** button. Without clicking the **“SAVE”** button, the setting cannot be saved.

**Network Settings**

HTTP Port:

HTTPS Port:

**IPv4 Address Configure**

DHCP: ☒

IPv4 Address:

Subnet Mask:

Default Gateway:

Primary DNS:

Secondary DNS:

**OSD**

Mode:

Date & Time: ☐ ON ☒ OFF

**Save**

| Item                          | Content                                                                                                                      | Default Setting |
|-------------------------------|------------------------------------------------------------------------------------------------------------------------------|-----------------|
| <b>Network Settings</b>       |                                                                                                                              |                 |
| HTTP Port                     | It sets the HTTP port number.<br>When changing the number, ask the network administrator.                                    | 80              |
| HTTPS Port                    | It sets the HTTPS port number.<br>When changing the number, ask the network administrator.                                   | 443             |
| <b>IPv4 Address Configure</b> |                                                                                                                              |                 |
| DHCP                          | Put a check mark to this item when connecting to the DHCP server. The IP address can be automatically acquired.              | ON              |
| IP Address                    | It inputs the IP address to be allocated to this device.<br>Or, it is the IP address of when the DHCP could not be acquired. | 192.168.1.100   |
| Subnet Mask                   | It inputs the subnet mask to be allocated to this device.                                                                    | 255.255.255.0   |
| Default Gateway               | It inputs the IP address of the gateway.                                                                                     | 192.168.1.1     |
| Primary DNS                   | It inputs the primary DNS.                                                                                                   | 0.0.0.0         |
| Secondary DNS                 | It inputs the secondary DNS.                                                                                                 | 0.0.0.0         |
| <b>OSD</b>                    |                                                                                                                              |                 |
| Mode                          | Selecting ON indicates the text in the live view screen.                                                                     | OFF             |
| Date & Time                   | Selecting ON indicates the date and time in the live view screen.                                                            | OFF             |

### Caution



When the IP address and the subnet mask are changed, connecting from the PC may become disabled. Change the network setting of the using PC so the settings confirm the network camera. Then, connect again via the Internet Explorer.

## (2) RTSP

It is set to control the communications of the video and the audio.

To enable RTSP, enter the login ID, password, and the port (default: 554) and select the **“ON”** button.

When the settings are changed, be sure to click the **“SAVE”** button.

Without clicking the **“SAVE”** button, the setting cannot be saved.

| Basic Setting                       |                                                                      |
|-------------------------------------|----------------------------------------------------------------------|
| Login ID:                           | <input type="text" value="admin"/>                                   |
| Password:                           | <input type="password" value="•••••"/>                               |
| Port:                               | <input type="text" value="554"/> (1~65535)                           |
| Authentication                      |                                                                      |
| Action:                             | <input checked="" type="radio"/> ON <input type="radio"/> OFF        |
| RTSP Stream1                        |                                                                      |
| URL:                                | <input type="text" value="stream1"/>                                 |
| Multicast:                          | <input type="text" value="stream1m"/>                                |
| Unicast:                            | <input type="text" value="stream1"/>                                 |
| Multicast Address:                  | <input type="text" value="231.8.8.200"/> (224.0.1.1~239.255.255.254) |
| Audio Multicast Address:            | <input type="text" value="231.8.8.202"/> (224.0.1.1~239.255.255.254) |
| RTSP Stream2                        |                                                                      |
| URL:                                | <input type="text" value="stream2"/>                                 |
| Multicast:                          | <input type="text" value="stream2m"/>                                |
| Unicast:                            | <input type="text" value="stream2"/>                                 |
| Multicast Address:                  | <input type="text" value="231.8.8.210"/> (224.0.1.1~239.255.255.254) |
| Audio Multicast Address:            | <input type="text" value="231.8.8.212"/> (224.0.1.1~239.255.255.254) |
| <input type="button" value="Save"/> |                                                                      |

- **URL**

Each stream has the unicast and the multicast, which are as follows respectively.

Unicast: stream1

Multicast: stream1m

- **Multicast address**

The IP address for the multicast is from 224.0.1.1 to 239.255.255.254.

RTSP Stream1 and RTSP Stream2 are as follows respectively.

rtsp://(IP address)/(Stream 1)

rtsp://(IP address)/(Stream 2)

Example: rtsp://224.0.1.1/stream1

- **Audio multicast address**

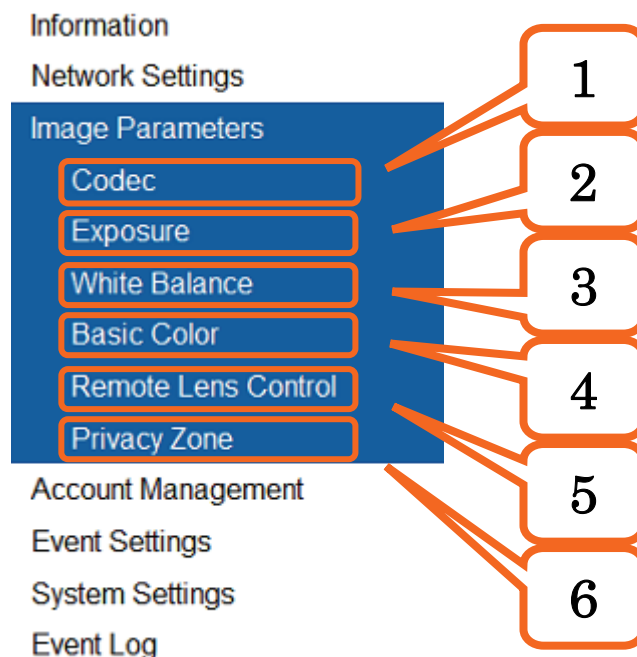
In the same way as above, the audio multicast IP address is from 224.0.1.1 to 239.255.255.254.



### 4.3 Image Parameters

It sets the details of the camera.

Clicking **Image Parameters** in the menu indicates the camera settings menu.



#### (1) Codec

It sets the codec.

When the settings are changed, be sure to click the **SAVE** button.

Without clicking the **SAVE** button, the setting cannot be saved.

A screenshot of the camera settings interface showing two streams. The 'Stream1' section has a blue header and contains the following settings: Resolution: 1920x1080 (dropdown), Codec: H264 (dropdown), Frame Rate: 15 (dropdown), GOP Length: 15 (dropdown), and CBR Bit Rate: 4000 (input field) with a range of (256~12000) and a slider. The 'Stream2' section also has a blue header and contains: Resolution: 640x360 (dropdown), Codec: H264 (dropdown), Frame Rate: 15 (dropdown), GOP Length: 15 (dropdown), and CBR Bit Rate: 1000 (input field) with a range of (20~12000) and a slider. A blue 'Save' button is located at the bottom right of the Stream2 section.

| Item                | Description                                                                                                             | Default value |
|---------------------|-------------------------------------------------------------------------------------------------------------------------|---------------|
| Resolution          | It sets the image size.<br>Stream1: 1920 x 1080 / 1280 x 960 / 1280 x 720<br>Stream2: 640 x 360 / 320 x 240 / 320 x 176 | Stream1       |
|                     |                                                                                                                         | 1920 x 1080   |
|                     |                                                                                                                         | Stream2       |
|                     |                                                                                                                         | 640 x 360     |
| Codec               | It selects the video compression mode from H.264 or MJPEG.                                                              | Stream1       |
|                     |                                                                                                                         | H.264         |
|                     |                                                                                                                         | Stream2       |
|                     |                                                                                                                         | H.264         |
| Frame Rate (fps)    | It selects the frame rate.<br>Stream1: 1 to 30<br>Stream2: 1 to 15                                                      | Stream1       |
|                     |                                                                                                                         | 15            |
|                     |                                                                                                                         | Stream2       |
|                     |                                                                                                                         | 15            |
| GOP Length          | It sets the GOP size. (Only H.264 is valid.)<br>Stream1: 1 to 60<br>Stream2: 1 to 30                                    | Stream1       |
|                     |                                                                                                                         | 15            |
|                     |                                                                                                                         | Stream2       |
|                     |                                                                                                                         | 15            |
| CBR Bit Rate (kbps) | It sets the bit rate of the video. (Only H.264 is valid.)                                                               | Stream1       |
|                     |                                                                                                                         | 4000          |
|                     |                                                                                                                         | Stream2       |
|                     |                                                                                                                         | 1000          |
| Quality             | It sets the image quality in the JPEG compression image.<br>(Only MJPEG is valid.)                                      | Stream1       |
|                     |                                                                                                                         | 60            |
|                     |                                                                                                                         | Stream2       |
|                     |                                                                                                                         | 60            |

● **Correlation between resolution/stream/FPS/Codec (NTSC)**

| Resolution  | Single stream                       | Double stream                                                                                                                                                                                                                                      |
|-------------|-------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1920 x 1080 | 1920 x 1080 30 fps<br>(H.264/MJPEG) | 1920 x 1080 @ 30 fps, 1280 x 720 @ 30 fps<br>1920 x 1080 @ 30 fps, 640 x 480 @ 30 fps<br>1920 x 1080 @ 30 fps, 320 x 240 @ 30 fps<br>1920 x 1080 @ 30 fps, 320 x 176 @ 30 fps<br>(H.264/MJPEG, H.264/MJPEG)                                        |
| 1280 x 960  | 1280 x 960 30 fps<br>(H.264/MJPEG)  | 1280 x 960 @ 30 fps, 640 x 360 @ 30 fps<br>1280 x 960 @ 30 fps, 320 x 240 @ 30 fps<br>1280 x 960 @ 30 fps, 320 x 176 @ 30 fps<br>(H.264/MJPEG, H.264/MJPEG)                                                                                        |
| 1280 x 720  | 1280 x 720 30 fps<br>(H.264/MJPEG)  | 1280 x 720 @ 30 fps, 1280 x 720 @ 30 fps<br>1280 x 720 @ 30 fps, 640 x 480 @ 30 fps<br>1280 x 720 @ 30 fps, 640 x 360 @ 30 fps<br>1280 x 720 @ 30 fps, 320 x 240 @ 30 fps<br>1280 x 720 @ 30 fps, 320 x 176 @ 30 fps<br>(H.264/MJPEG, H.264/MJPEG) |

● Correlation between resolution/stream/FPS/Codec (PAL)

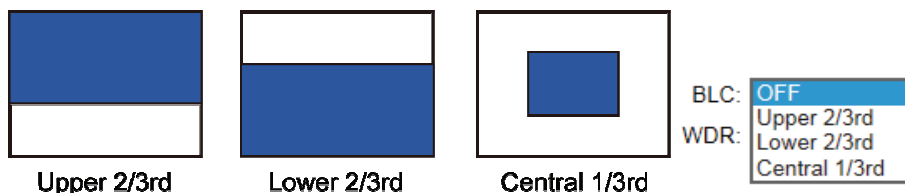
| Resolution  | Single stream                       | Double stream                                                                                                                                                                                                                                      |
|-------------|-------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1920 x 1080 | 1920 x 1080 25 fps<br>(H.264/MJPEG) | 1920 x 1080 @ 25 fps, 1280 x 720 @ 25 fps<br>1920 x 1080 @ 25 fps, 640 x 360 @ 25 fps<br>1920 x 1080 @ 25 fps, 320 x 240 @ 25 fps<br>1920 x 1080 @ 25 fps, 320 x 176 @ 25 fps<br>(H.264/MJPEG, H.264/MJPEG)                                        |
| 1280×960    | 1280 x 960 25 fps<br>(H.264/MJPEG)  | 1280 x 960 @ 25 fps, 640 x 360 @ 25 fps<br>1280 x 960 @ 25 fps, 320 x 240 @ 25 fps<br>1280 x 960 @ 25 fps, 320 x 176 @ 25 fps<br>(H.264/MJPEG, H.264/MJPEG)                                                                                        |
| 1280×720    | 1280 x 720 25 fps<br>(H.264/MJPEG)  | 1280 x 720 @ 25 fps, 1280 x 720 @ 25 fps<br>1280 x 720 @ 25 fps, 640 x 480 @ 25 fps<br>1280 x 720 @ 25 fps, 640 x 360 @ 25 fps<br>1280 x 720 @ 25 fps, 320 x 240 @ 25 fps<br>1280 x 720 @ 25 fps, 320 x 176 @ 25 fps<br>(H.264/MJPEG, H.264/MJPEG) |

(2) Exposure

It controls the exposure time of the camera. Selection between Manual and Auto is possible.

| Item                     | Description                                                                                              | Default value |
|--------------------------|----------------------------------------------------------------------------------------------------------|---------------|
| Exposure Mode            | It sets Auto/Manual.                                                                                     | Auto          |
| <b>Auto Exposure</b>     |                                                                                                          |               |
| Type                     | It sets the auto exposure mode.<br>AES: Auto Electronic Shutter<br>ALC: Auto Lens Control<br>Flickerless | ALC           |
| Slow Shutter             | It sets the slow shutter.<br>NTSC: OFF, 1/30, 1/15, 1/7.5<br>PAL: OFF, 1/25, 1/12.5, 1/6.25              | 1/7.5         |
| Max Gain                 | It sets the maximum gain. (24 to 36 dB)                                                                  | 24            |
| <b>Manual Exposure</b>   |                                                                                                          |               |
| Shutter Speed            | It sets the shutter speed.                                                                               | 1/60          |
| Manual Gain              | It sets the fixed gain. (0 to 36 dB)                                                                     | 0             |
| <b>Advanced Exposure</b> |                                                                                                          |               |
| EV Compensation          | It avoids overexposure.<br>(It is invalid in Manual Exposure.)                                           | 0             |
| Day & Night              | It switches between day and night settings.                                                              | Auto          |
| Switching Sensitivity    | It sets the switching level between day and night.                                                       | Normal        |
| Delay Time               | It sets the switching time between day and night.                                                        | Normal        |
| Noise Reduction          | It sets the noise reduction.                                                                             | 10            |
| BLC                      | It sets the backlight correction.<br>(It is invalid in Manual Exposure.)                                 | OFF           |
| WDR                      | It sets the dynamic correction.                                                                          | OFF           |

\* The blacklight correction setting opens the following screens. (It is invalid when the exposure mode is in manual.)



#### Caution



Clicking the "Reset to default" button returns the setting to the factory default value.

### (3) White Balance

It sets the white balance of the camera. Selection from Manual and Auto is possible.

| Item   | Description                                      | Default value |
|--------|--------------------------------------------------|---------------|
| Mode   | It sets Auto/Manual.                             | Auto          |
| R Gain | It sets the red gain. (It is invalid in Auto.)   | 64            |
| G Gain | It sets the green gain. (It is invalid in Auto.) | 64            |
| B Gain | It sets the blue gain. (It is invalid in Auto.)  | 64            |

#### Caution



Clicking the "Reset to default" button returns the setting to the factory default value.

### (4) Basic Color

It sets the image quality of the camera.

| Item           | Description                                                                                                                                                                                               | Default value |
|----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
| Brightness     | It adjusts the video image brightness.                                                                                                                                                                    | 0             |
| Contrast       | It adjusts the video image contrast.                                                                                                                                                                      | 128           |
| Hue            | It adjusts the video image hue.                                                                                                                                                                           | 0             |
| Saturation     | It adjusts the video image saturation.                                                                                                                                                                    | 80            |
| Sharpness      | It sets the video image sharpness.                                                                                                                                                                        | 10            |
| Video Rotation | It inverses the video image left/right and up/down.<br>Flip: It inverses the video vertically.<br>Mirror: It inverses the video horizontally.<br>Both: It inverses the video vertically and horizontally. | OFF           |

#### Caution



Clicking the "Reset to default" button returns the setting to the factory default value.

### (5) Remote Lens Control (Valid only for IPD-DM300)

It controls zoom/focus of the lens from the browser.

#### Zoom Control

Zoom Magnification: 3x ▾

Zoom Speed: Medium ▾

Zoom In

Zoom Out

#### Focus Control

☐ Auto Focus

One-Push AF: Start

☒ Manual Focus Continuous

Focus Far: Start Stop

Focus Near: Start Stop

☐ Manual Focus Stepping

Focus Far: Normal Step Fine Step

Focus Near: Normal Step Fine Step

#### Day & Night Focus Control

Mode: OFF ▾

#### Calibration

Calibration: Start

Reset to Default

| Item                      | Description                                                                                                     | Default value |
|---------------------------|-----------------------------------------------------------------------------------------------------------------|---------------|
| Zoom Magnification        | The control zoom range is x3 to x30.                                                                            | 3x            |
| Zoom Speed                | High/medium/low zooming speeds are available.                                                                   | Medium        |
| Zoom In                   | It zooms in.                                                                                                    | —             |
| Zoom Out                  | It zooms out.                                                                                                   | —             |
| Auto Focus                | Clicking “One-Push AF” adjusts the focus automatically.                                                         | —             |
| Manual Focus Continuous   | It adjusts the focus manually.<br>Focusing starts with “Start” and stops with “Stop.”                           | —             |
| Manual Focus Stepping     | It fine-adjusts the focus.<br>It adjusts in steps with “Normal Step.” Finer adjustment is possible with “Fine.” | —             |
| Day & Night Focus Control | Automatic day and night focus control is possible when “Auto” is selected.                                      | —             |
| Calibration               | It calibrates the lens and the focus.                                                                           | —             |

**Caution**

Clicking the "Reset to default" button returns the setting to the factory default value.

## (6) Privacy Zone

It sets the privacy mask.

Settings of the color, size, and four locations at the maximum are possible while looking at the live view screen.

**Privacy Color Setting**  
Color: Black ▼

**Privacy Zone1**  
Action: OFF ▼  
Save Mask zone Clean Mask zone

**Privacy Zone2**  
Action: OFF ▼  
Save Mask zone Clean Mask zone

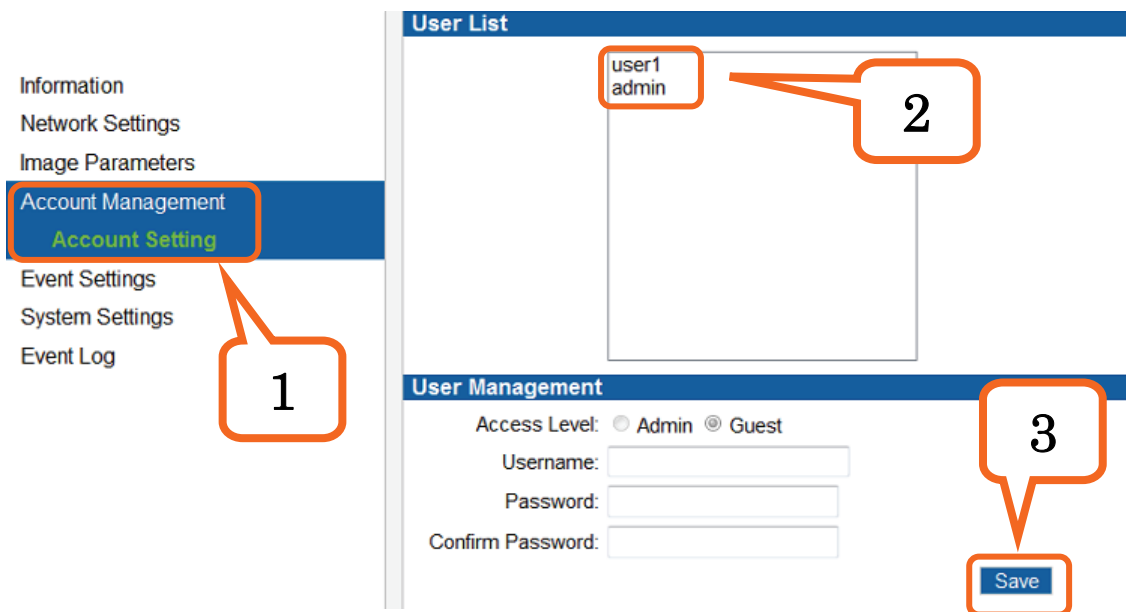
**Privacy Zone3**  
Action: OFF ▼  
Save Mask zone Clean Mask zone

**Privacy Zone4**  
Action: OFF ▼  
Save Mask zone Clean Mask zone

- It adjusts the privacy mask size by dragging in the target area while pressing the left button of the mouse.
- It selects the privacy mask color (black, gray, or white).
- It enables the setting by clicking "Save Mask zone."
- It deletes the privacy zone setting by clicking "Clean Mask zone."

## 4.4 Account Management

Clicking "Account Management" in the menu indicates the account management menu.  
Changing the setting is possible when connecting this device with the administrator right.  
It is recommended to change these settings, so the settings can be changed only by limited people.



### (1) Account Setting

Click "Account Setting" in the menu.

- The administrator registration screen opens.

### (2) User List

Select "admin" or "user1" from the User List.

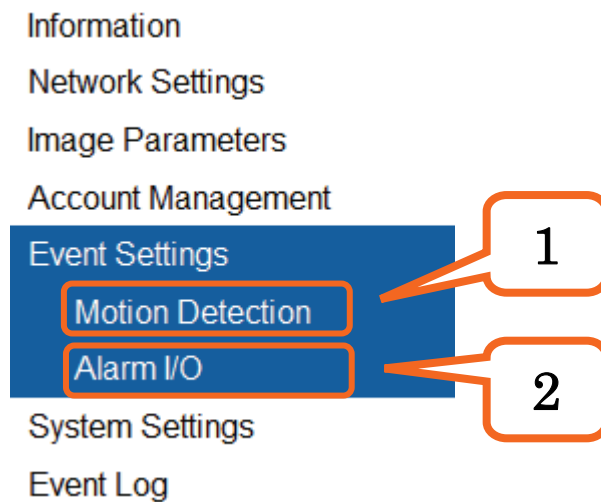
- admin: Administrator right. Setting all functions is possible.  
Username : admin  
Password : admin
- user1: User right. Only using the live view is available.  
Username : user1  
Password : user1

### (3) Save

After changing the setting value, click the "Save" button at the lower section of the screen.  
Without clicking the "SAVE" button, the setting cannot be saved.

## 4.5 Event Settings

Clicking **“Event Settings”** in the menu opens the motion detection function and the alarm input menu.



### (1) Motion Detection

It sets the motion detection function.

A screenshot of the 'Motion' settings screen. At the top is a blue header bar with the word 'Motion' in white. Below the header, there is an 'Enable' section with two radio buttons: 'ON' and 'OFF'. The 'OFF' button is selected. Below this is a 'Sensitivity' section with a text input field containing the number '50' and a range '(1~100)' to its right. Below the input field is a 'Clean' button. At the bottom right, there are two buttons: 'Save' and 'Reset to Default'.

- It turns on the motion detection function.
- Detection sensitivity can be set with “Sensitivity.”
- Click the **“Save”** button.
- When any motion is detected, the following sign is indicated on the live view screen.



#### Caution



Clicking the **“Reset to default”** button returns the setting to the factory default value.



## (2) Alarm I/O

It sets the alarm input.

### Alarm Input

Enable: ☐ ON ☒ OFF

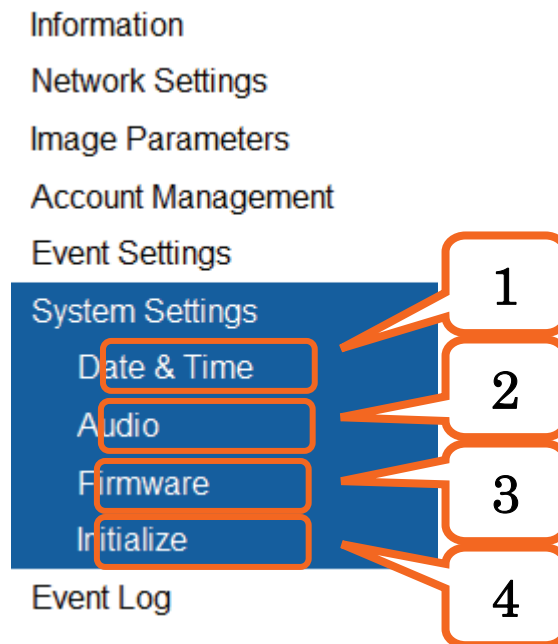
Type:

Save

- Turn on the alarm input and click the "Save" button.  
NO: Normal Open  
NC: Normal Close

## 4.6 System Settings

Clicking "System Setting" in the menu opens the menu including date and time, audio input, firmware update, etc.



### (1) Date & Time

It sets the date and time.

A screenshot of the 'Date & Time' settings page. The page has a blue header bar with the title 'Current Server time'. Below the header, there are input fields for 'Date' (2014/10/23) and 'Time' (19:03:56). The next section is 'Synchronization Mode', which has three radio button options: 'Manual' (selected), 'Synchronize with PC', and 'Synchronize with NTP Server'. Each option has associated date and time input fields. The 'NTP' section has an 'NTP Server' input field, a 'Synchronizing Period' dropdown menu (set to 1), and an 'NTP Test' button. The 'Time Zone' section has a dropdown menu (set to Asia/Tokyo). At the bottom right, there are 'Save' and 'Reset to Default' buttons.

| Item                 | Description                                                                                                                                             |
|----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|
| Current Server time  | It indicates the current time of the device.                                                                                                            |
| Synchronization Mode | Manual: Date/time can be input manually.<br>PC: It synchronizes to the date/time of the PC.<br>NTP: It synchronizes to the date/time of the NTP server. |
| NTP                  | It sets the NTP server.                                                                                                                                 |
| Time Zone            | It sets the country and region.                                                                                                                         |

**Caution**

Clicking the **“Reset to default”** button returns the setting to the factory default value.

**(2) Audio**

It sets the audio input.

Turn on the audio function and click the **“Save”** button.

**Audio Input**

Enable: ☒ ON ☐ OFF

**Save****(3) Firmware**

It updates the firmware.

Click the **“Reference”** button and select the firmware to update. Clicking the **“Upload”** button starts the version up process.

**Firmware Update & Package Install****参照...****Upload**

After updating the firmware, click the **“Initialize”** on the menu. Then, click **“Factory Default”** to return the setting to the factory default value. Take note that the camera settings return to the factory default value.

**Caution**

Do not shut down the power while updating.  
if the power is shut down, failures may be caused, and repair by the manufacturer may be required.

#### (4) Initialize

Initializing the setting data is possible to the factory default value.

The screenshot shows a web interface for camera configuration. It has several sections with blue headers: 'Video Type' with a dropdown menu set to 'NTSC'; 'Import User Configurations' with a file selection button (containing a folder icon) and an 'Import' button; 'Export User Configurations' with an 'Export' button; and 'Configuration' with three buttons: 'Reboot Camera', 'Factory Default excluding Network Settings', and 'Factory Default'.

| Item                              | Description                                                                                                                                                                                   |
|-----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Video Type                        | It selects NTSC/PAL.<br>Flickering by the fluorescent light can be reduced when “NTSC” is selected for the power supply frequency of 60 Hz and “PAL” for the power supply frequency of 50 Hz. |
| Import User Configuration         | Click the “Reference” and select the file. Clicking "Import" enables uploading the setting.                                                                                                   |
| Export User Vonfiguration         | Clicking "Export" enables downloading the setting to the PC.                                                                                                                                  |
| Reboot Camera                     | It reboots the camera.                                                                                                                                                                        |
| Factory Default Excluding Network | It returns all settings to the factory default values excluding the network setting.                                                                                                          |
| Factory Default                   | It returns all settings to the factory default values.                                                                                                                                        |

### 4.7 Event Log

It is used for analyzing in case the camera becomes faulty.

Clicking **Event Log** in the menu indicates the event log acquisition menu.

Click the **Download Log** button and save the log file to the PC.

The screenshot shows a 'System Log' section with a blue header. Below the header is a button labeled 'Download Log' with a dashed border.

### 5.1 Troubleshooting

- Connecting to the camera via the Internet Explorer is not possible.
  - ✧ The device and the PC are not properly connected via the LAN cable.
    - Confirm that the PC and the device are connected by the LAN cable with the category 5 or higher.
    - Confirm that the LINK lamp (green) of the LAN connector of this device is on.
    - If the hub exists between the device and the PC, confirm the connection between the PC and the hub.
  - ✧ The power is not supplied to the device. (If the power indicator on this device is not on, the power is not supplied.)
    - Turn on the power of the device.
    - In case PoE is adopted, confirm that the cable is connected to the port, of which PoE-compatible hub power can be supplied (refer to the instruction manual of the hub for details).
  - ✧ It is tried to connect to an incorrect IP address.
    - Execute the following from the command prompt of Windows.

> ping *[IP address of this device]*

Confirm that the reply message returns.
    - Confirm that the IP address set to this device is not overlapping with the IP addresses of other devices. (Set the IP address so there is no overlap with other devices.)
    - Confirm the IP address that is set to this device. (It is possible to confirm the IP address on the analog monitor by using the BNC output of this device.)

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