VCP

Virtual Control Panel

Operation Manual

Ikegami

VCP

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Operation Manual

1803 1st Edition (U) (E)

Ikegami

English

Instructions for Disposal of Electric and Electronic Equipment in Private Household

Disposal of used Electric and Electronic Equipment
(Applicable in the European Union and other European countries with separate collection systems)

This symbol on the product, or in the related documents in the package, indicates that this product shall not be treated as normal household waste. Instead, it should be taken to a proper applicable collection point or depot for the recycling of electric and electronic equipment.

By ensuring this product is disposed of correctly, you will help prevent possible negative consequences for the environment and human health, which could otherwise be caused by inappropriate waste handling of this product. The recycling of materials will help to conserve natural resources.
For more detailed information about recycling of this product, please contact your local city authority, your household waste disposal service or the place where you purchased the product.

Deutsch

Vorschriften für die Entsorgung von elektrischen und elektronischen Geräten in Privathaushalten

Entsorgung von gebrauchten elektrischen und elektronischen Geräten
(In der Europäischen Union und anderen europäischen Ländern mit separaten Sammelsystemen anwendbar.)

Das auf dem Produkt angebrachte Symbol, bzw. die Symbole in den in der Packung beiliegenden Dokumenten, weisen darauf hin, dass dieses Produkt nicht als normaler Haushaltsmüll behandelt werden darf. Es muss deshalb an einer dafür vorgesehenen Sammelstelle abgeliefert werden, in der das Recycling von elektrischen und elektronischen Geräten durchgeführt wird.

Durch die ordnungsgemäße Entsorgung dieses Produkts tragen Sie dazu bei, dass unsere Umwelt und unsere Gesundheit nicht durch unsachgemäße Entsorgung negativ beeinflusst wird. Mit dem Recycling von Materialien tragen wir zur Bewahrung der natürlichen Ressourcen bei.
Für nähere Informationen hinsichtlich des Recyclings für dieses Produkt sprechen Sie bitte mit Ihrer zuständigen Behörde, Ihrer Hausmüll-Entsorgungsstelle oder dem Geschäft, wo Sie das Produkt gekauft haben.

Français

Consignes de mise au rebut des appareils électriques et électroniques dans les foyers privés

Mise au rebut des appareils électriques et électroniques
(Applicable dans l'Union Européenne et autres pays d'Europe ayant un système de récupération séparé)

Ce symbole apposé sur le produit ou dans les documents liés se trouvant dans l'emballage indique que ce produit ne doit pas être traité comme un déchet ménager normal. Il doit être porté à un point de récupération correct ou à un dépôt pour le recyclage des appareils électriques et électroniques.

En vous assurant que ce produit est correctement mis au rebut, vous aiderez à empêcher les conséquences possibles pouvant affecter l'environnement et la santé humaine, pouvant être causées par une mauvaise manipulation des déchets de ce produit. Le recyclage des matériaux favorise la conservation des ressources naturelles.
Pour des informations plus détaillées concernant le recyclage de ce produit, veuillez contacter les autorités locales, votre service de mise au rebut des déchets ménagers ou le lieu d'achat de votre produit.

Español

Instrucciones para eliminar equipos eléctricos y electrónicos de una casa privada

Eliminación de equipos eléctricos y electrónicos usados
(Normas aplicables en la Unión Europea y en otros países europeos con diferentes sistemas de recogida)

Este símbolo en el producto, o en los documentos relacionados, indica que este producto no deberá ser tratado como un residuo doméstico normal. En cambio, deberá ser llevado a un punto o lugar donde los equipos eléctricos y electrónicos sean recogidos para ser reciclados.

Asegurándose de que este producto sea eliminado correctamente, usted ayudará a impedir las posibles consecuencias negativas sobre el medio ambiente y la salud humana que podrían ser causadas por el manejo inapropiado de este producto como residuo doméstico. El reciclado de los materiales ayudará a conservar los recursos naturales.
Para conocer una información más detallada acerca del reciclado de este producto, póngase en contacto con las autoridades de su localidad, con su servicio de recogida de residuos domésticos o con el comercio donde adquirió el producto.

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SAFETY PRECAUTIONS

This manual describes the precautions using various pictorial symbols for you to use the product safely. Please read these precautions thoroughly before use. The symbols and meanings are as follows:

The following hazard alert symbols are used to indicate the level of impact on the body or property when you do not follow the precautions.

⚠ WARNING	Indicates that mishandling of the product by ignoring this label may lead to a danger resulting in a serious injury or death.
⚠ CAUTION	Indicates that mishandling of the product by ignoring this label may lead to a danger resulting in an injury or property damage.

The following symbols are used to indicate the expected injury or hazards when you do not follow the precautions.

	Indicates general cautions on such matters as safe work, procedure, and installation location. Mishandling may not directly lead to death, injury, or property damage.
	Indicates that mishandling may cause an electric shock.
	Indicates that mishandling may cause a fire.
	Indicates that mishandling may cause injury.

The following symbol is used to indicate other precautions to prevent damage or hazard from occurring:

	Indicates prohibited action.

■ *Handling Precautions*

⚠ *WARNING*

Regarding the Product

Do not disassemble or modify the product which is not described in this manual. Doing so may cause fire, electric shock, or injury.

Regarding the Power

When you disconnect the cable, be sure to hold the plug and pull. Failure to do so may cause a fire or electric shock due to a damaged cable.

To inspect or operate on the inside of the equipment, turn off the power and wait for one or two minutes before starting work. High voltage is present in some modules and connectors of this product.

⚠ *CAUTION*

Regarding the Product

Avoid use or storage in the following conditions:
- Extremely high/low temperature
- In direct sunlight for a long time, or near a heater
- High humidity or dusty
- Exposed to water or other liquid
- Strong vibration or shock
- Strong magneticfield or radio waves
- lightning
- In rain without the rain cover

Be sure to hold the plug and pull when you disconnect the cable.
Failure to do so may cause a fire or electric shock due to a broken cable.

Avoid moving the equipment suddenly from an extremely cold place to a warm place.
Condensation may occur in the Charged Couple Device (CCD) or other parts.

Do not drop or insert a metal object such as a pin or a foreign object into the equipment.

Do not spread or spill water or other liquid on the equipment.

Do not subject the equipment to a strong shock or vibration.
Doing so may cause damage or malfunction of the equipment.

Regarding the Modules

Pay attention to the following points when handling the modules:
- Do not let the parts of the modules or the printed wiring pattern to touch the metal parts that can be energized.
- Avoid placing or storing the modules in humid places.
- Do not touch the parts of the modules or the printed wiring pattern with dirty or wet hands. Do not touch them with hands unless necessary.

Regarding the Power and the Lithium Battery

Use the product in compliance with the rating of the fuse. Otherwise, a fault can occur.

Do not use an unspecified battery.
Wrong usage of batteries may cause liquid leak, explosion, and heat, and at worst injury or fire.
When changing or discarding a battery, please contact Ikegami's sales and service centers.

■ *Maintenance*

Regarding the product

Before performing maintenance on the product, be sure to turn off the power for safety and for protection against malfunction.

Clean the product using a dry and soft cloth.

If the stain is hard, soak the cloth with water or detergent, wring well and wipe. If you use detergent, wipe off the detergent with a cloth that is soaked in just water and wrung well.

■ *Regular Maintenance Recommended*

This product includes parts that wear out and have a limited life even in proper use or storage. Therefore, regular maintenance (once every 3 years or 8000 hours use) is recommended to extend the life and safe use of this product for a long time. Please contact Ikegami's sales and service centers or Techno Ikegami Co., Ltd. for the regular maintenance and repair of our products.

HOW TO READ THE OPERATION MANUAL

This section explains general notes on reading the VCP Operation Manual, and the symbols and notations used in this manual.

■*Notes on the Manual*

- This manual is written for readers with a basic knowledge of operating a broadcast camera.
- The contents of this manual are subject to change without notice in the future.

■*Symbols*

The symbols used in this manual are as follows.

CAUTION:	Things you have to be careful during operation. Please be sure to read.
Note:	Supplementary notes and reference information.
Reference:	Sections where related information is available.

■*Notations*

The following notations are used in this manual.

Panel	Window to control the camera
Launcher	Window to manage the panel
VCP	Application including the panel and launcher
Camera head	Indicates a typical camera for broadcasting
Camera	“Camera” refers to camera head and BS/CCU.

■*Illustrations and displays*

The illustration and displays in the text are provided for explanation and may be slightly different from the actual equipment or image.

■*Related manuals*

Refer to the operation manuals and maintenance manuals accompanying the camera head, CCU, and each control panel to be used.

Virtual Control Panel

Operation Manual

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1. Overview

This software is an application that operates on a Windows PC. It controls the camera through a wired LAN cable connecting PC with CCU in a local network.

Note: Operation of VCP is guaranteed only when it is used in the local network. If it is used in other network, our company is not liable for any malfunction of the camera and VCP. In that case, we do not provide tech support.

Note: Some operation may not be optimized for camera models released before the Unicam HD series. Those cameras and CCU are not guaranteed for support in VCP.

1.1. Features

- **Launcher**

  The panel is managed by a launcher. Only one launcher can be started on a PC.

  The customization of the panel, change in the connection destination, start-up/shut down of the panel can be performed in this launcher.

- **Up to 5 panels can be started**

  The launcher can start up to 5 panels. Each panel is independent of each other, so each can control an individual camera.

- **Control assignment function**

  You can set which camera functions are controlled when operating a button or a slide bar on the panel.

- **Option**

  There are options (surcharge) in VCP. The camera control functions can be extended by purchasing options.

Memo: Switches and functions do not work if the connected camera system does not have the function.

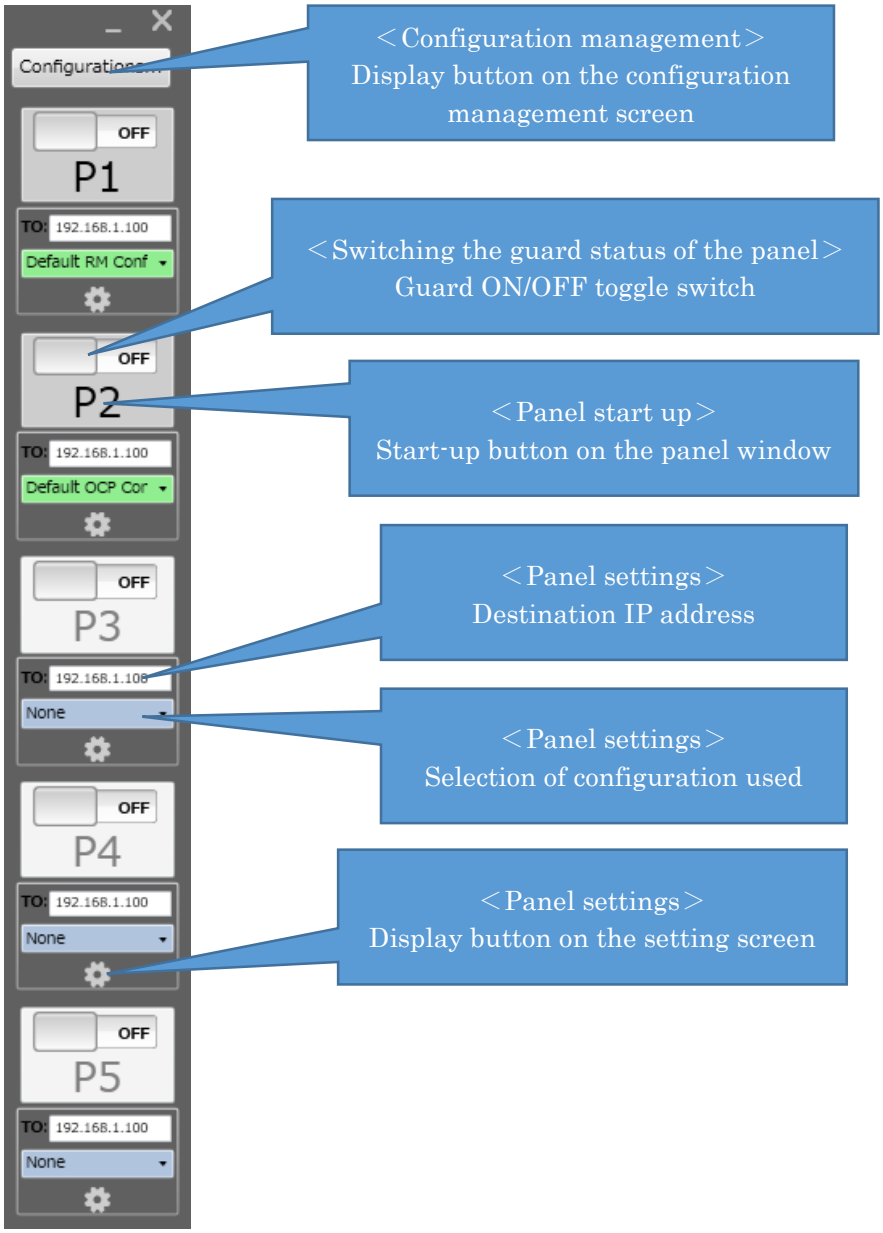
Reference: Please refer to the instruction manual of the camera for the operational functions.

Note: It does not support a connection with a wireless LAN. Make sure to use a wired LAN cable for communication.

2. Launcher composition

2.1. Launcher Screen

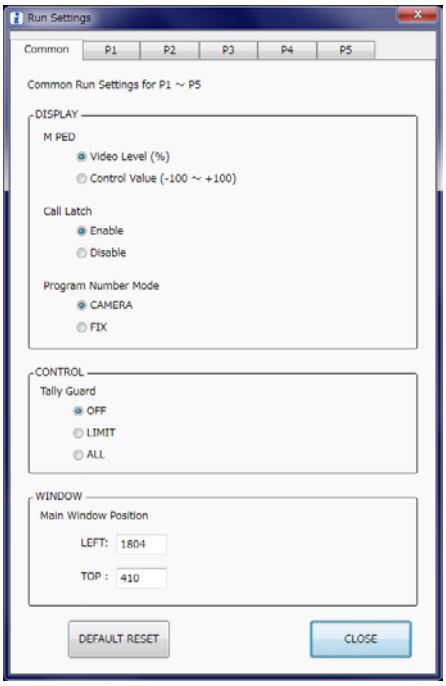
The configuration management, panel operation guard, panel start-up, and settings of each panel can be performed in this screen. Also, the window can be minimized, closed, and resized.



2.2. Setting Screen

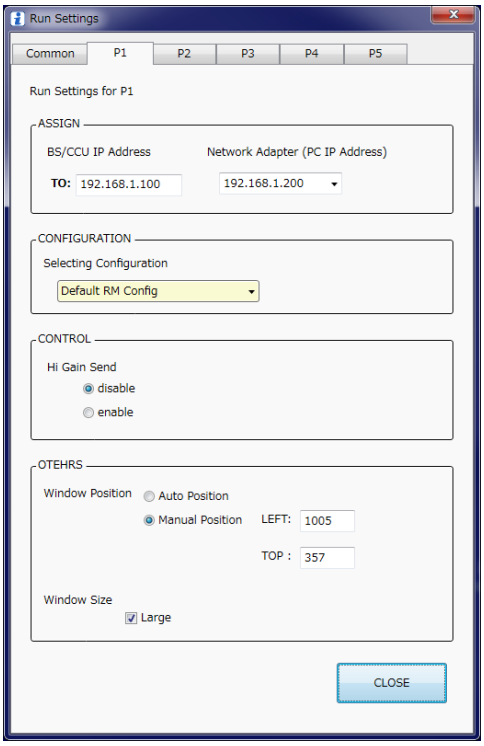
In this screen, common settings and individual settings for the panel can be set. The settings for each panel are reflected only when the panel starts up.

- Common Settings



Reference: Please refer to "6.1.Common Settings" for more details.

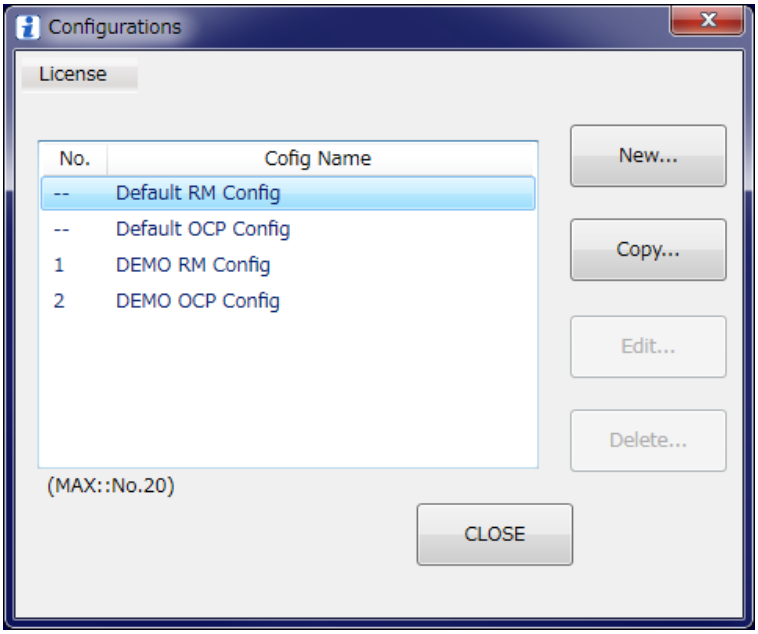
- Individual settings



Reference: Please refer to "6.2.Individual settings" for more details.

2.3. Configuration Screen

Setting the panel control assignment, checking the expiration date of options, and importing files can be performed in this panel.



Reference: Please refer to "5.2.2.Control Assignment Settings" for more details on the control assignment.

Reference: Please refer to "7.Options" for more details on the options.

2.3.1. IP Address Settings

The address of the camera to be controlled and the address of the network adapter can be set from the launcher.

Reference: Please refer to "6.2.Individual settings" for the assignment setting.

Memo: To set the IP address of the network adapter, go to "Control Panel" ⇒ "Network and Internet" ⇒ "Network Connection" in Windows. Then set the IP address (IPv4) from the property of the network adapter being used.

3. Panel composition

In this screen, various camera controls can be operated. The panel number, communication status, and IP address of the destination camera are displayed in the title bar of the panel.

Number	Description
1	Panel number
2	Communication status
3	Destination IP address

Communication status display	Description	Camera control
Connect	Communicating with destination IP address	○
Disconnect	Not communicating with destination IP address	×

Note: If “NO LICENSE” is displayed for the destination IP address, options have not been imported or purchased. Import optional license files.

3.1. Panel Model

There are two basic panel models.

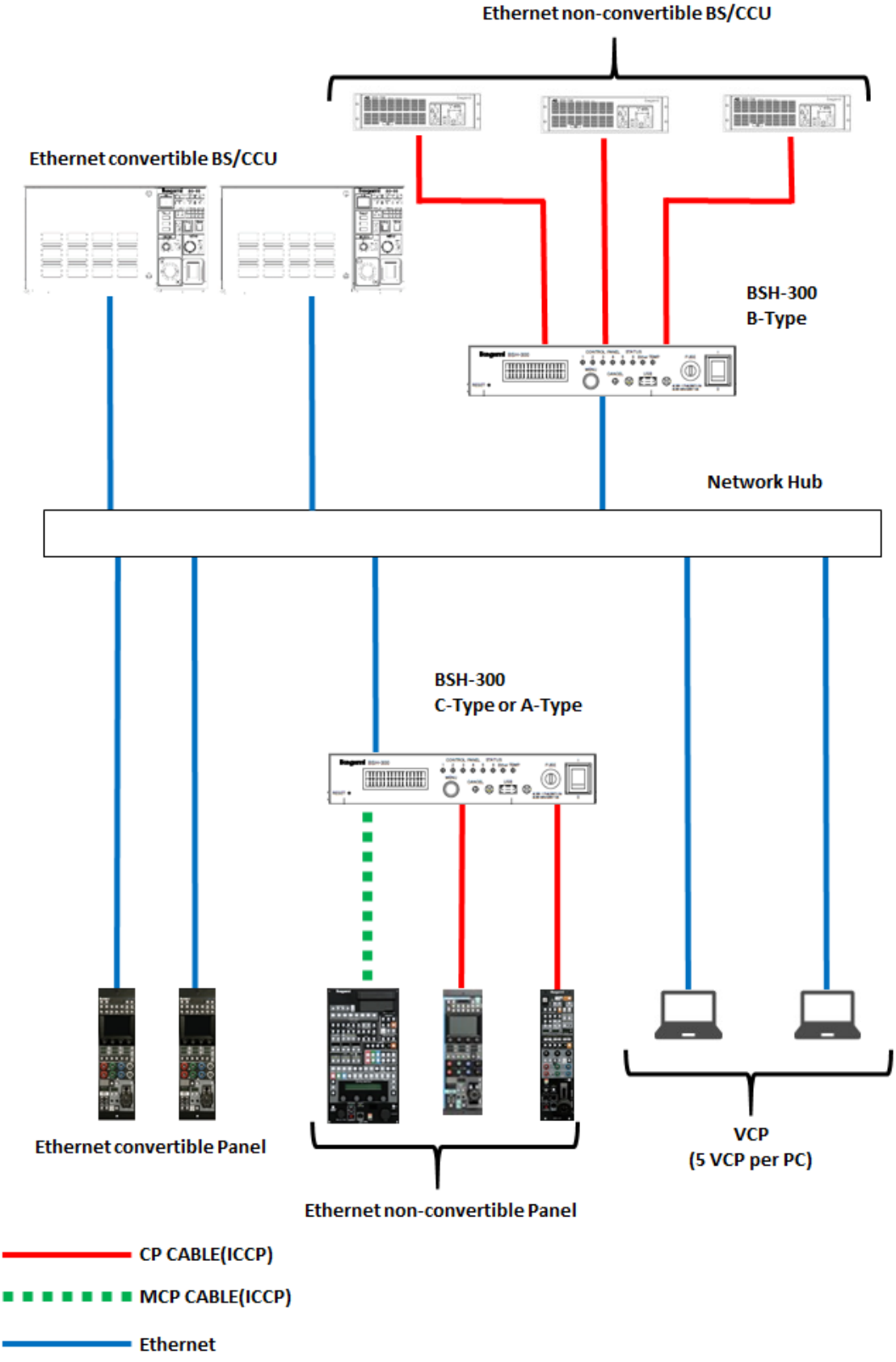
RM Model

OCP Model

Model	Description
RM ※1, 2	Basic camera controls can are provided.
OCP	All functions purchased separately as options can be assigned.

※1：Some functions purchased separately as options cannot be assigned.
※2：Manual Set/Clear” cannot be performed for individual functions.

4. Network Key Map



5. Function

5.1. Camera Control

The camera items that can be adjusted from the panel are described in the following sections.

Note: For some functions, the contents of the camera controls are different depending on the assigned location.

5.1.1. Analog Items

Analog

Function	Control item	Assignment	Control details
IRIS			IRIS adjustment
	IRIS	×	
Ped			Pedestal adjustment
	Red/Green/Blue	○	
	Master ※1	×	
Flare			Flare adjustment
	Red/Green/Blue/Mater	○	
Gamma			Gamma adjustment
	Mater ※1	○	
Gain ※2			Gain adjustment
	Red/Green/Blue/Master	○	
DTL ※1			DTL Gain adjustment
	Gain	○	
Skin DTL ※1			Skin DTL Gain adjustment
	Gain	○	
VAR C.Temp			Variable color temperature adjustment
	Variable Color Temp	○	
Color SAT			Color Saturation adjustment
	Color SAT	○	
Knee Point ※3			Knee Point adjustment
	Total	○	
Knee Slope ※3			Knee Slope adjustment
	Total	○	
Shutter ※4			Electronic shutter speed adjustment (Variable)
	Speed	○	

※1 : The downconverter is controlled simultaneously

※2 : Directly adjusts “G Gain”

※3 : Simultaneously controls “Manual” and “Auto”

※4 : Adjustable only from “UP/DOWN Select”

Note: Unlike physical control panels such as the OCP-300, etc., the G Gain is directly adjusted.
For physical control panels, the R Gain and B Gain are simultaneously operated to adjust G.

5.1.2. ON/OFF Items

ON/OFF

Control item	Assignment			Control details
	ON/OFF	User ※1	UP/DOWN	
CAP	○	○	×	CAP ON/OFF
Bars	○	○	×	Color Bars ON/OFF
CAL	○	○	×	CAL ON/OFF
PM IND	×	×	×	PM character display selection
CALL	×	×	×	Camera Call ON/OFF
Preview ※1	×	×	×	Preview ON/OFF
Knee	○	○	○	Knee ON/OFF
Auto Knee	○	○	×	Auto Knee ON/OFF
Smooth Knee	×	×	○	Smooth Knee selection
Super Knee	×	×	○	Super Knee selection
Flare	○	○	○	Flare ON/OFF
DTL	○	○	○	DTL ON/OFF
Soft DTL	○	○	×	Soft DTL ON/OFF
Skin DTL	○	○	×	Skin DTL ON/OFF
Gamma	○	○	×	Gamma ON/OFF
Gamma Step	×	×	○	GammaStep selection
Gamma Mode	×	×	○	Gamma Mode selection
Black Gamma	○	○	×	Black Gamma ON/OFF
Black STR/PRS	×	×	○	Balck stretch/press selection
White Clip	○	○	○	White Clip ON/OFF
Color SAT	○	○	×	Color Saturation ON/OFF
Color CORR	○	○	×	Color Corector ON/OFF
VAR C.Temp	○	○	○	Variable color temperature ON/OFF
C.Temp 5600K	○	○	×	Electric color temperature correction ON/OFF
ATW	○	○	○	ATW ON/OFF
AVC	○	○	○	Auto video control ON/OFF
Night Mode	×	×	○	Night Mode selection
Shutter	○	○	○ ※2	Electronic Shutter ON/OFF
VAR Shutter	○	○	×	Electronic shutter speed selection
Matrix	○	○	○ ※3	Matrix ON/OFF
CAM PWR	○	×	×	Camera Head Power ON/OFF
MENU	○	○ ※4	×	Menu ON/OFF
DIGITAL EXT	○	○	○	Digital Extender selection
Filter Remote	×	×	×	Filter control right switching
ND	×	×	○	ND Filter selection
CC	×	×	○	CC Filter selection
EFF	×	×	○	EFF Filter selection
Step Gain	×	×	○	Gain selection
AWB ch	×	×	○	AWB channel selection

※1 : OCP model only.

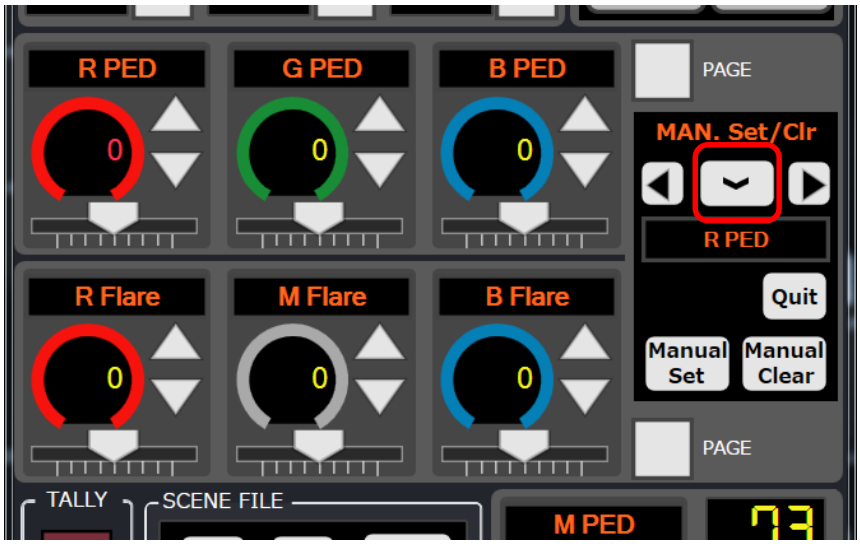
※2 : Switching between OFF/Preset/Variable (Switching between Shutter and VAR Shutter)

※3 : Switching between OFF/1/2/3 (Switching between Matrix and Matrix Select)

※4 : Menu can be also operated

5.1.3. Manual Set/Clear

The procedures to perform Manual Set/Clear in the OCP model are shown below.



(1) Select the red box in the above figure, and select the items to be manually cleared.
(2) The color of the numerical value changes to red, and the Manual Set/Clear button will be displayed.
(3) If the "Manual Set" or "Manual Clear" switch is pressed, the "Confirm Window" is displayed. If the "Yes" button is pressed, the function is set or cleared.
(4) Pressing the "Quit" button can cancel the setting screen.

Note: If the function is off, the Manual Set/Clear may not be performed.
Also, when the scene file is on, Manual Set cannot be performed.

5.1.4. Auto Setup

The camera can be automatically adjusted by pressing the AWB and ABB buttons or from the Auto Setup page of the OCP model (red box in the figure below).

■ **Auto Setup**

This page allows you to perform several auto setup processes.

- **Quick (Quick Auto Setup)**
  A chart is not needed because an internal electrical test signal is used. Even if a chart cannot be shot, you can set up the camera.
- **Black Shading (Auto Black Shading)**
  Automatically adjusts Black Shading.
- **Skin Hue (Auto Hue Detect)**
  Automatically acquires the hue for the SKIN DTL.

Select the item with the switch and press the [START] switch.
If the auto setup indicates "NG", the [START] switch flashes. Press the switch again to cancel. Also, you can abort the Auto Setup by pressing the switch when it is running.

Memo: Only the OCP model can be assigned for functions other than AWB and ABB.

5.1.5. Menu

If the "Menu" button is pressed, a "window" for confirmation is displayed. If the [Yes] button is pressed, the main menu is displayed.

The menu of BS/CCU is displayed and can be operated when connected to a BS/CCU. The menu of camera head is displayed when connected to a self-contained camera head.

Press the up/down/left/right arrows to switch between items, and press the "Enter" switch to confirm.

Memo: In some cameras, the menu may not appear when BARS are not turned on.

Memo: In the RM model, the menu operation is only display or hide.
In the OCP model, actual menu operation can be performed.

Note: The menu may appear on the main video output depending on the camera head and BS/CCU.

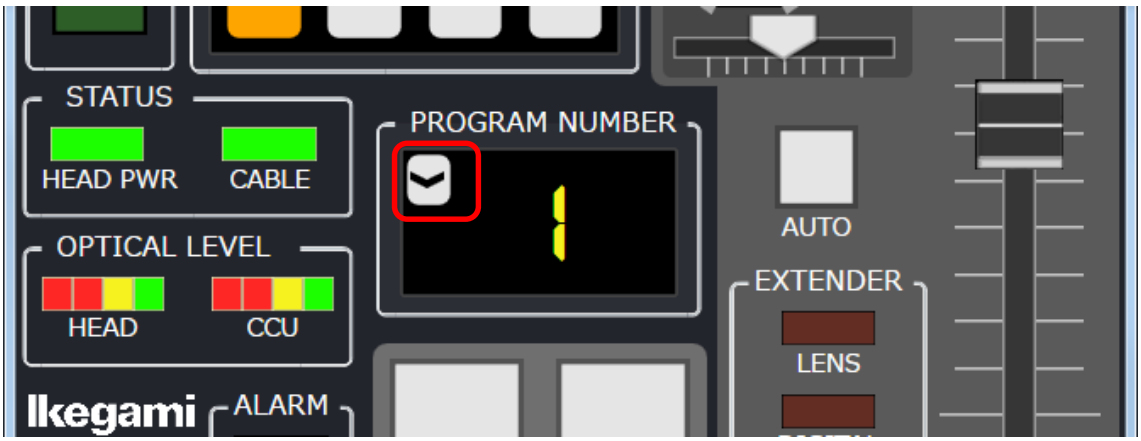
5.1.6. Program Number Display and Change

Displays the program number of the camera on the Panel. There are two modes for the program number display.

- FIX Mode (Fixed)
  Sets the number display of the Panel only without involving the camera.

- CAM Mode (Camera priority)
  Places the priority on the number assigned to the camera, and the number of Panel also changes with the number of the camera. If there is no answer from the camera, the number stored in Panel will be displayed.

To change the program number, click the red box in the figure below and select the number you want to change.



5.2. Assignment Settings

5.2.1. IP Address Settings

The address of the camera to be controlled and the address of the computer's network adapter can be set from the launcher.

Reference: Please refer to "6.2.Individual settings" for the assignment setting.

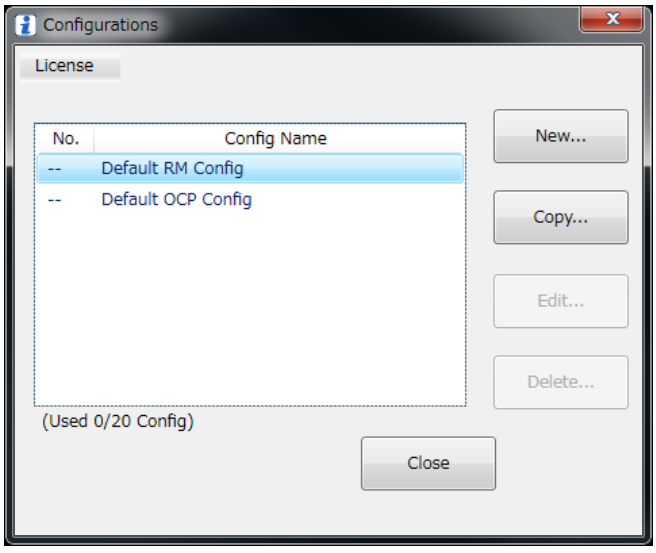
Memo: Set the IP address of the network adapter from the network connection in the control panel of Windows.

5.2.2. Control Assignment Settings

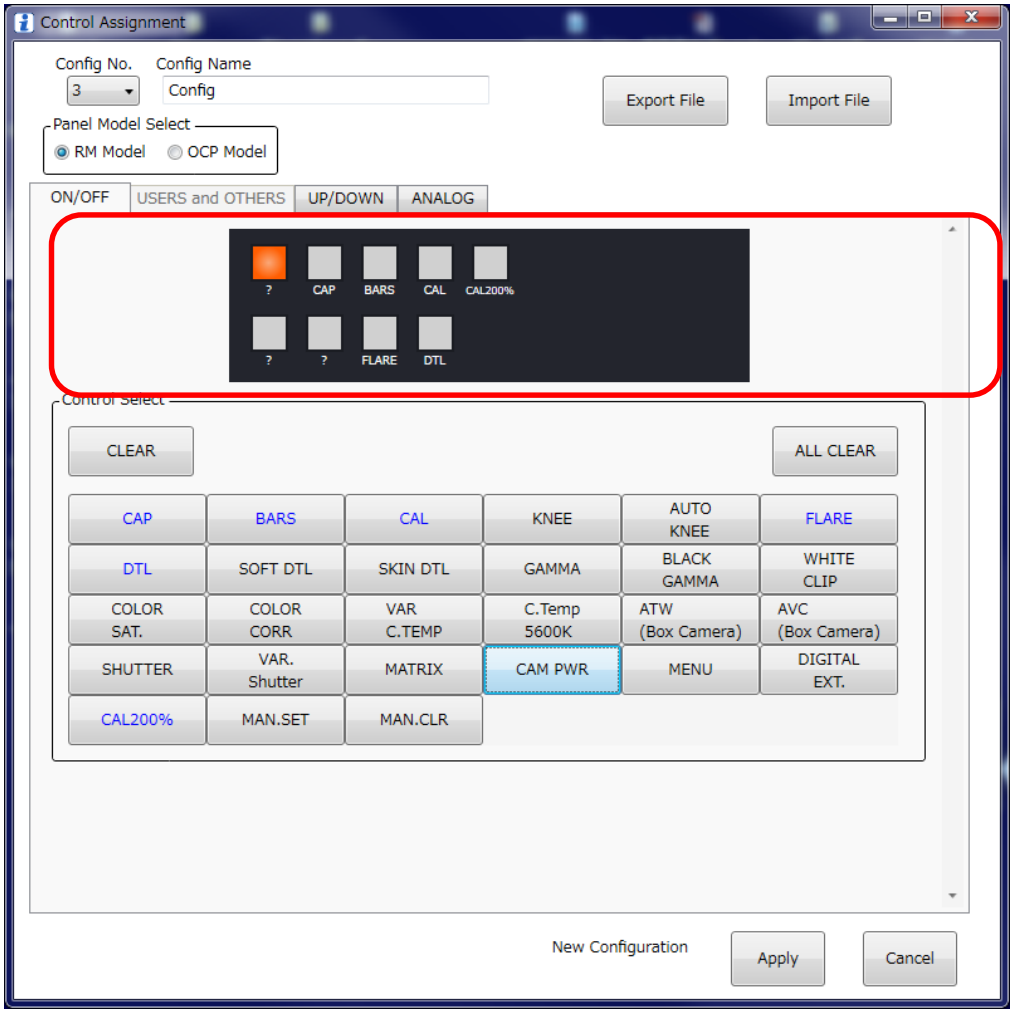
Users can set the panel configuration of their own choice.
The relationship between the character color of control name and the status is shown below.

Font color	Status
Black	Before assignment
Blue	After assignment

The procedures to assign the controls are shown below.



5. Function



(1) Click the “Configurations” button in the launcher.
(2) Click the “New” button to create a new configuration.
(3) Input a name under Config Name (Example : 1st sub)
(4) Select the model you want to use from “Panel Model Select”.
(5) Select the tab you want to assign (In the figure, “ON/OFF” is selected.)
(6) Select the control displayed in the red box.
(7) Select the function in the “Control Select” field.
(8) After the assignment of each control is completed, click the “Apply” button to confirm the settings.

Name	Description
New	Creates a new configuration.
Copy	Copies a configuration and creates a new one.
Edit	Edits a configuration.
Delete	Deletes a configuration.

Memo: The controls cannot be selected for the functions in which options are disabled.

Memo: The configurations selected in other panels, etc. cannot be deleted.

Note: The control assignment settings can be edited only when all panels are closed.

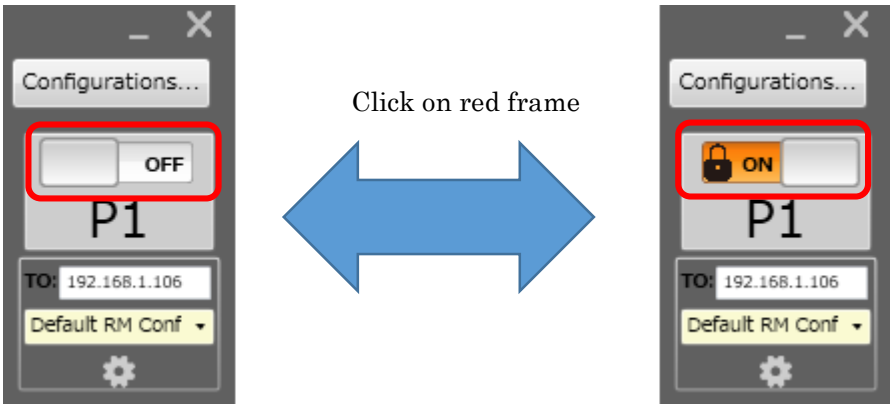
5.2.3. Import/Export

The panel configurations that have been set can be backed up by exporting the files. The files that have been backed up can be restored to the available configurations by importing the files.

Memo: Results will be reflected by pressing the “Apply” button after importing files.

5.3. Guard

The operation of each panel can be protected from the launcher. To protect a panel, click the red box in the figure below to change the guard ON/OFF status.



A key is displayed in the center for the panel that is guarded.

6. Settings

Various settings for this software can be set. Some items can be also reset to the default values.

6.1. Common Settings

The common settings of the panel and the display position of the launcher screen can be changed.

Setting item list

Menu	Setting item	Setting Details	Function descriprion
DISPLAY			***Display setting***
	M.PED		Sets the Master PED indicator display
		Video Level ※1	Displays the video level
		Control Value	Displays the control data
	Call Latch		Sets the function to make the indicator flash for 20 seconds after a call from the camera head
		Enable ※1	Flashes
		Disable	Does not flash
	Program No		Sets the operation of the PGM number display
		CAMERA ※1	CAM mode (Camera priority)
		FIX	FIX mode (Panel fixed)
CONTROL			***Control setting***
	Tally Guard		Set to specify whether or not to apply tally guard
		OFF ※1	Does not apply tally guard
		LIMIT	Applies tally guard to limited items
		ALL	Applies tally guard to all items
WINDOW			***Display position setting***
	Main Window Position Left		Setting the left position of the launcher screen
		1804 ※1	Default is the right edge of the monitor.
	Main Window Position Top		Setting the right position of the launcher screen
		410 ※1	Default is the bottom edge of the monitor.

※1：Initial settings when Default Clear is performed.

Reference: Please refer to “5.1.6.Program Number Display and Change“ for the program number mode.

Reference: Please refer to “6.1.1.ON-AIR tally guard“ for the tally guard.

6.1.1. ON-AIR tally guard

Sets the ON AIR tally guard to restrict switches when there is an ON-AIR tally.

＜ON-AIR tally guard function list＞

Function item	Tally Guard (Common Settings)		
	OFF	limited	ALL
CAM PWR	−	○	○
PM ID/PAGE	−	−	−
CAP ON/OFF	−	○	○
BARS ON/OFF	−	○	○
CAL ON/OFF	−	○	○
AWB	−	○	○
ABB	−	○	○
PAGE SW	−	−	−
UP/DOWN Select	−	−	○
Scene File	−	−	○
Auto IRIS ON/OFF	−	−	−
Preset File Load	−	○	○
Others ON/OFF	−	−	○

− ：Does not apply tally guard
○ ：Applies tally guard

6.1.2. Initialization of Settings

Pressing the “Default” button in the common settings will reset various settings to the initial settings.

Note: The items to be initialized are the settings of the common settings screen only.

6.2. Individual settings

The individual settings of the panel and the display position of the panel screen can be changed.

Setting item list

Menu	Setting item	Setting details	Function description
ASSIGN			*IP address setting*
	BS/CCU IP Address		Setting the control destination
		192.168.1.100	
	Network Adapter		PC setting (IPv4)
		192.168.1.200	
CONFIGURATION			*Selecting the panel configuration*
	Configuration		Selecting the panel configuration created
		Default RM Config	
CONTROL			*Control setting*
	Hi Gain Send		Enables/disables the step gain with 60dB or more
		Disable	Disabled
		Enable	Enabled
WINDOW			*Display position setting*
	Position		Setting the display position of the panel screen
		Auto Position	Automatically sets the position
		Manual Position	Manually sets the position
	Size		Setting the display size to enlarge
		Large	Maximizes the display size

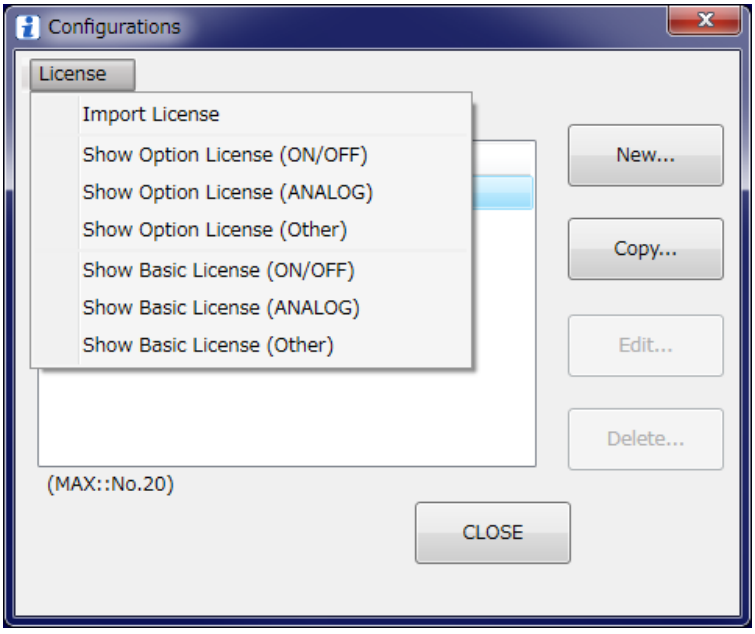
***Note*:** If the power of HUB connected to PC is turned off, the IP address set in the Network Adapter is not displayed.

7. Options

The functions of the options purchased are not enabled if the license files are not imported.

7.1. Import

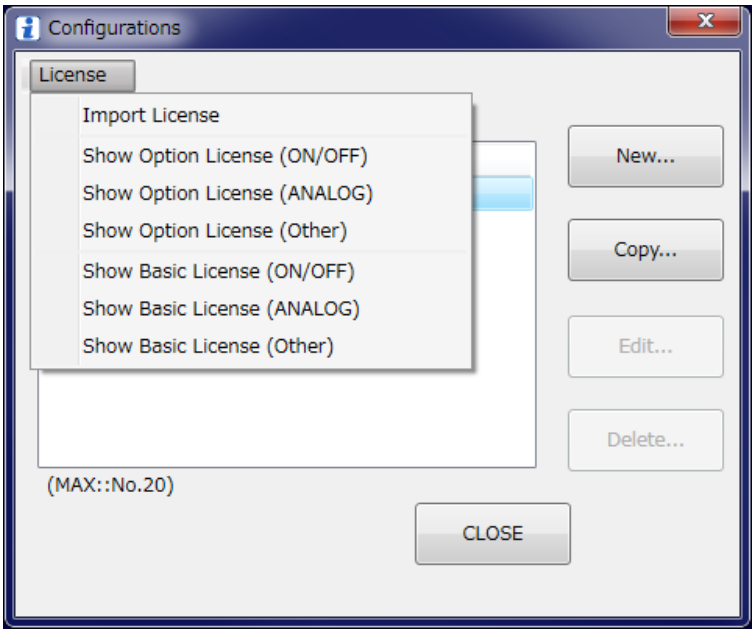
The license files can be imported from the launcher.



(1) Click the “Configurations” button in the launcher.
(2) After clicking the “License”, select the “Import License” from the list.
(3) File Open Dialog is displayed, so select the file you want to import.

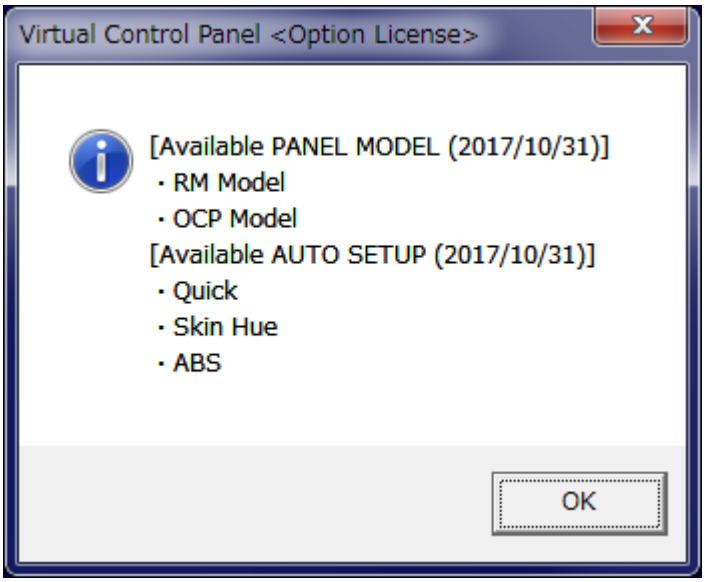
7.2. Check

The current option status can be checked from the launcher.



7. Options

(1) Click the “Configurations” button in the launcher.
(2) After clicking the “License”, select the option you want to check from the list displayed.
(3) A “window” is displayed and the expiration date, etc. of each option can be checked.



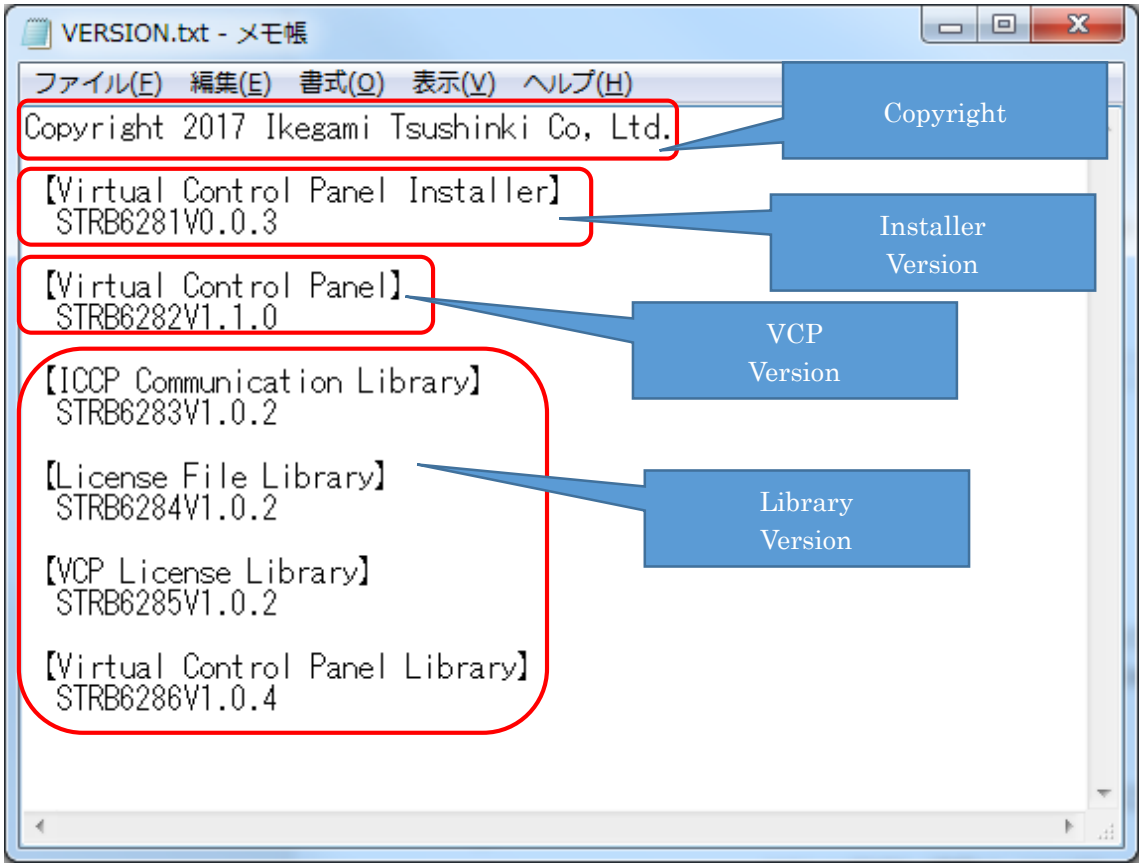
If the option is available, “Available” is displayed in the “Check Window”. If it is not available, “Not Available” is displayed.

The characters and their meanings displayed in “()” are described below.

- Date
  Expiration date of options
- Not yet purchased
  Options that have not been imported yet.
- Default
  Basic functions

8. Version check

To check the VCP version, select the program from the Windows start menu. Then, select "Ikegami" ⇒ "Virtual Control Panel" and click the shortcut to VERSION.txt.



Note: The versions of other equipment cannot be checked from VCP.

9. Troubleshooting

9.1. ALARM indicator is flashing

The BS/CCU has a self-diagnostic function to monitor the BS/CCU itself and the camera for abnormalities. The function is activated at the same time as the BS/CCU MAIN POWER switch is turned on and is always active during operation.

If abnormalities occur in the BS/CCU or camera head, they are immediately detected and cause the ALARM indicator on panel to flash. Also, the self-diagnosis information (diagnosis) display screen is displayed on the PM, so the failure location can be identified.
Even if the ALARM indicator is not flashing, you can check the status by pressing the PM IND switch on the panel to display the self-diagnostic information screen.

9.2. Trouble with Network Connection

In network operation, the connected devices may simultaneously experience a malfunction. This is due to network failures, and therefore, the command control cannot be performed normally. There are some possible causes for network failures.

- Mistakes in network ID settings
  If there are duplicate IP Addresses for Ethernet, this can cause a failure in the whole network, as well as, the devices with duplicates.
  For VCP, the IP Address can be checked from the setting screen of the launcher. Check the IP address of the network adapter used, and make sure it is not overlapped with other equipment.

- Limit on the Number of Connections
  Up to 8 control panels can be connected to one BS/CCU. It does not work for 9 control panels or more. Each MCP is counted as one regardless of the Camera Select status. For example, if there is one MCP in the network, 7 OCP/Panels can be simultaneously connected to the BS/CCU, and if there are two MCPs in the network, 6 OCP/Panels can be simultaneously connected.

- Two or more panels are connected to the same BS/CCU.
  If two or more panels operated by the same PC are connected to the same BS/CCU, operational malfunctions may occur.

9.3. Warning message for IP address

A warning for IP address may appear when the panel starts up. If the warning appears, check “Assignment” settings in the launcher. Make sure the power of HUB connected to the PC is turned on.

9.4. Some camera controls are not operating

The camera may not support the functions. Make sure the camera supports the functions. Also, operation is not guaranteed for cameras and CCU released before the Unicam HD series.

9.5. Errors encountered when importing license files

The license files are managed by the MAC address. Use the MAC address specified at the time of purchase.

If the error still persists, make sure the network adapter is enabled.

9.6. Functions are disabled even after license files are imported

The license files are managed by the MAC address. Check if the network adapter is enabled.

If the VCP version is old, the option may not be supported. Update the VCP.

9.7. The option purchased becomes disabled

If the option has an expiring date, it becomes disabled after a certain period of time. Purchase it again to use it if it is expired.

9.8. The “Launcher Window” is outside of the screen and cannot be moved

Select “Virtual Control Panel” from the task bar on Windows to make it active. Simultaneously press the “Alt” key and “Space”, and then press “M” key on the keyboard. Then, press the arrow key to move the window.

9.9. The “Panel Window” is outside of the screen and cannot be moved

Open individual setting from the launcher and change the parameter of “Window” of the panel to move the “Window”.

Reference: Please refer to “6.2.Individual settings“ for the window position setting.

10. Specifications

10.1. System Requirements

OS	Microsoft Windows 7 Professional SP1 (64bit/32bit) Microsoft Windows 10 (64bit/32bit)
.Net Framework	.Net Framework 4.6.2
Memory	Minimum 200MB
HDD	3MB or more of free space (10MB or more recommended)
Network	100Mbps or more
LAN	Wired LAN only
Resolution	800x600 or more (1920x1200 recommended when displaying 5 panels)

11. Changing Information

VCP

VIRTUAL CONTROL PANEL

Operation Manual

First edition: March 2018

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