

VMP

Virtual Master Panel

Operation Manual

1810 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.

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 VMP Operation Manual, and the symbols and notations used in this manual.

■ *Notes on the Guide*

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

■ *Symbols*

The symbols used in this manual are as follows.

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

■ *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.

Table of Contents

1.	Overview	1
1.1.	Features	1
1.2.	System Structure.....	2
1.3.	Software Structure.....	3
1.4.	How to start.....	3
1.5.	How to quit	3
2.	User Interface.....	4
2.1.	Menu bar	5
2.2.	Toolbar	5
2.3.	Group Select Area	6
2.4.	Multi Select Area	6
2.5.	Camera Select Area	6
2.6.	Main Area	7
2.6.1.	Home.....	7
2.6.2.	Control.....	8
2.6.3.	Setup.....	9
2.6.4.	Monitor	9
2.6.5.	Tool.....	10
3.	Selecting Groups and Cameras	11
3.1.	Basic concept.....	11
3.2.	Multi control.....	12
4.	Controlling Cameras.....	13
4.1.	Common.....	13
4.1.1.	On/Off Control	13
4.1.2.	Analog Control	15
4.1.3.	Common Control	16
4.1.4.	On-Air Tally guard.....	17
4.2.	Control category.....	18
4.2.1.	ON/OFF.....	18
4.2.2.	VIDEO	19
4.2.3.	DTL	21
4.2.4.	COLOR	23
4.2.5.	ETC.....	27
4.3.	Setup category	28
4.3.1.	STANDARD.....	28
4.3.2.	FILE.....	29
4.3.3.	AUTO SETUP	30
4.3.4.	FORMAT	31
5.	Monitoring Cameras.....	32
5.1.	Device	32

5.2.	Camera Status	32
5.3.	Diagnostics.....	33
5.4.	Optical Level	33
6.	Panel Assignment	34
6.1.	Change Assignment	34
6.2.	Lock.....	34
6.3.	Memory	35
6.4.	Behavior at overlapping.....	35
7.	Control Depth	36
7.1.	Restricted items	36
7.2.	Changing restriction level	38
7.3.	Changing password.....	38
7.4.	How to initialize password.....	38
8.	Customize	39
8.1.	Home.....	39
8.2.	User.....	40
8.3.	Standard Function	40
8.4.	Control Depth	41
9.	Configurations	42
10.	License Options	43
10.1.	How to import license	43
10.2.	Confirm valid license	43
11.	Frequently Asked Questions	44
12.	Specifications	45
12.1.	System Requirements	45
12.2.	Enabled Devices	45
13.	Changing Information	46

1. Overview

Virtual Master Panel (hereinafter VMP) is an application software that runs on a Windows® PC and provides integrated management functions for broadcast cameras over an IP network. It realizes camera maintenance as an MCP and centralized management by taking advantage of IP network camera control.

CAUTION:

- *Need to log in to Windows® with administrator authority when installing VMP.*
- *Some images of application in this document may differ from actual.*

1.1. Features

- **Camera Control and Maintenance**
VMP has camera control and maintenance functions similar to an MCP.
- **File Management**
User can manage camera files on the PC.
- **Camera Information Monitoring**
Lists and monitors Camera Status, Diagnostics, and Optical Level information.
- **User Customize**
On the HOME launcher displayed at startup and the USER screen of Control category, users can select the functions.

1.2. System Structure

The standard network configuration is as follows.

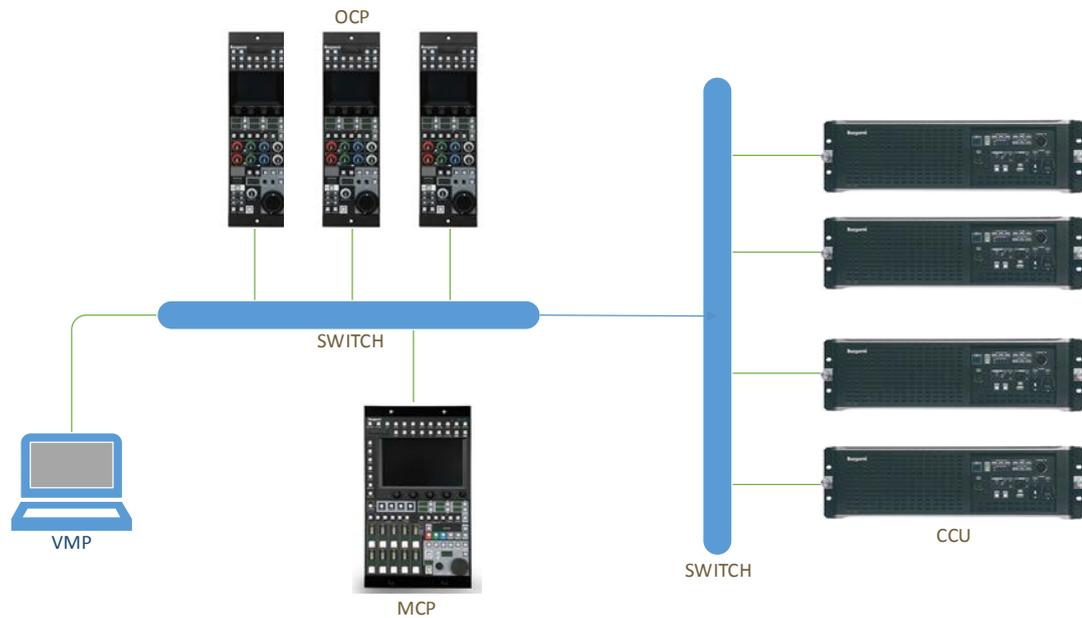


Figure. 1.2-1

By configuring the Default Gateway properly on each device, you can also configure the network with multiple Broadcast Domains.

In order for VMP to identify each device, it is necessary to set the following items in addition to the IP address.

- Group ID
- Device ID
- ICNP Master

Please set the IP address of the PC on which VMP is installed as MASTER's address. It can be either Primary or Secondary.

1.3. Software Structure

VMP consists of two software programs: a GUI application as a user interface and a communication application that runs in the background.

A GUI application does not communicate with camera devices directly. The communication application does it.

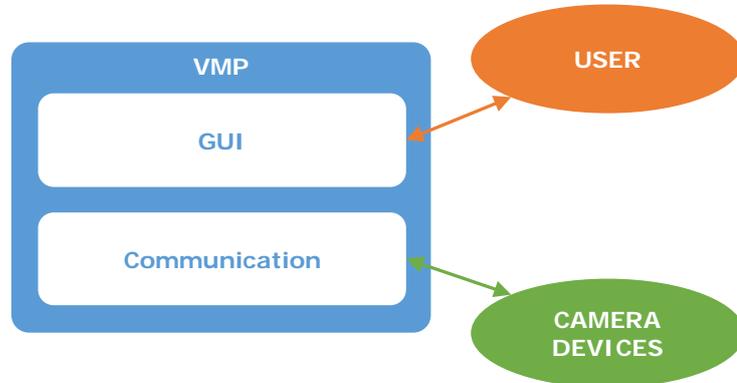


Figure. 1.3-1

When changing the network setting of the PC, the same settings as those at the time of installation are required.

Note:

Because the communication application is registered in the startup at the time of installation, it is not necessary to be conscious of it in normal use.

1.4. How to start

VMP can be started in the following two ways.

- (1) Start menu
Open the start menu and execute the following link.
[All Programs > Ikegami > Virtual Master Panel > VirtualMasterPanel]
- (2) Desktop shortcut
Execute desktop shortcut.

CAUTION:

More than one VMP can not be started simultaneously

1.5. How to quit

VMP can be terminated in the following two ways.

- (1) From Menu bar
From Menu bar File > Quit.
- (2) Force quit
Press Alt + F4 keys. (Views no confirmation dialog)

2. User Interface

The names and functions of each part of the application are explained below.



Figure. 2-1

VMP is mainly composed of the following six areas. Some areas are not displayed depending on the selected function category.

Table. 2-1

1	Menu bar
2	Toolbar
3	Group Select Area
4	Multi Select Area
5	Camera Select Area
6	Main Area

2.1. Menu bar

The following functions can be used from the Menu bar.



Figure. 2.1-1

Table. 2.1-1

File	Import License...	Open file dialog for import license.
	Quit	Quit application
Setting	Scaling	Change Scaling percentage
	Control Depth	Change Control Depth level.
	Configurations...	Open configuration dialog.
Help	Manual	Open Operation Manual. (this document)
	License	View license status and expiration date.
	About	View version information.

2.2. Toolbar

Buttons of the function category are arranged in the Toolbar. When a category button is pressed, the application category switches and main area display also changes. Other than the TOOL category, the Group Select Area, the Multi Select Area, and the Camera Select Area are always displayed.



Figure. 2.2-1

Table. 2.2-1

HOME 	Switch to the HOME launcher. Immediately after startup, the HOME launcher is displayed and it can be customized at Configurations. See Section 8.1 for details.
CONTROL	Switch the category to CONTROL. You can adjust the camera image with MCP-like interface. See Section 4.2 for details.
SETUP	Switch the category to SETUP. You can run auto setup and manage camera setup files. See Section 4.3 for details.
MONITOR	Switch the category to MONITOR. Displays the status of the cameras of the selected group in a list. See Section 5 for details.
TOOL	Switch the category to TOOL. Panel assignment can be displayed / changed. See Section 6 for details.

An indicator showing the connection status with the communication application is displayed at the right end of the Toolbar.



Figure. 2.2-2

2.3. Group Select Area

Switch the group of cameras to be operated. The cameras to be assigned to each group is set from Configurations.



Figure. 2.3-1

2.4. Multi Select Area

Switch to the multi control mode and select the cameras to be controlled in parallel. See Section 3.2 for details.



Figure. 2.4-1

2.5. Camera Select Area

Select the camera to be operated. Various indicators and CALL buttons are arranged for each camera. If the assigned camera is not connected, the button will not operate.

CAMERA	1	2	3	4	5	6	7	8
	H.PWR							
	ALARM							
	F7.3							
	EXT D.EXT							
	CALL							

Figure. 2.5-1

2.6. Main Area

In the Main Area, the contents corresponding to the selected function category are displayed.

2.6.1. Home

Home is not a function category, it functions as a launcher for direct access to each page.

Immediately after startup, Home is displayed. You can also make transition from Toolbar's Home button.

The items on the Home launcher can be arbitrarily assigned by the user from the Control, the Setup, and the Monitor categories.

See Section 8.1 for details.

2.6.2. Control

Control is a function category that selects and controls the target camera as an MCP.

It is mainly aimed at image adjustment during camera maintenance.

As a basic screen configuration, page selection buttons on the left, control items in the center, and common control items on the right side are arranged.

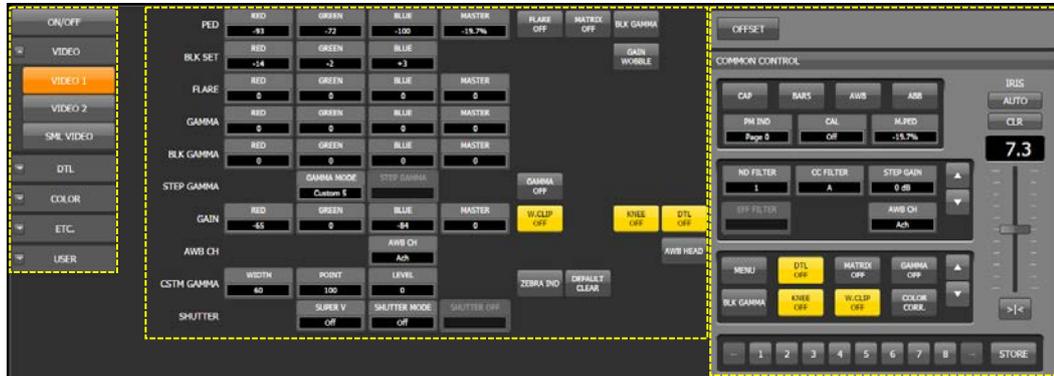


Figure. 2.6.2-1

The pages of Control category are as follows.

Table. 2.6.2-1

ON/OFF	-
VIDEO	VIDEO 1
	VIDEO 2
	SML VIDEO
DTL	DTL
	SML DTL
COLOR	COLOR
	CSTM COLOR
	COLOR CORR. 6
	COLOR CORR. 16
	SML COLOR
	SML CSTM COLOR
	SML COLOR CORR. 16
ETC.	SYSTEM
	LENS
	TRIAx
	OTHERS
USER	USER1
	USER2
	USER3
	USER4

2.6.3. Setup

Setup is a function category that summarizes functions such as auto setup and file management.

As a basic screen configuration, page selection buttons on the left, control items in the center, and common control items on the right side are arranged like Control.

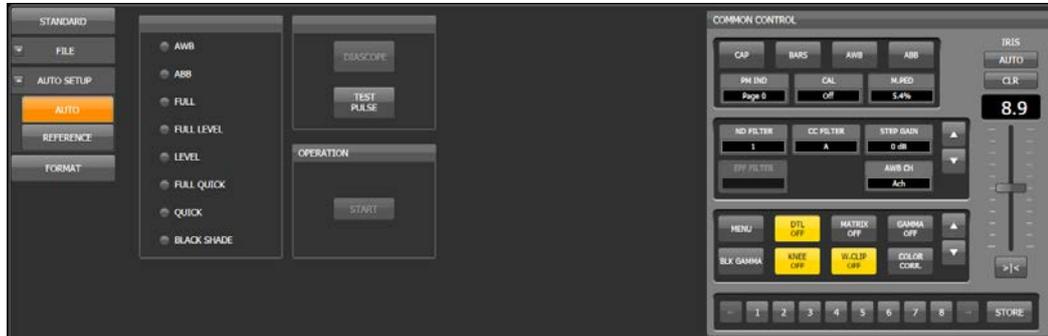


Figure. 2.6.3-1

The pages of Setup category are as follows.

Table. 2.6.3-1

STANDARD	-
FILE	TRANSFER
	MANAGEMENT
AUTO SETUP	AUTO
	REFERENCE
FORMAT	-

2.6.4. Monitor

Monitor is a function category that lists the status of the cameras in the selected group.

DEVICE	CAM1	CAM2	CAM3	CAM4	CAM5	CAM6	CAM7	CAM8	CAM9	CAM10	CAM11	CAM12	CAM13	CAM14	CAM15	CAM16
CAMERA STATUS	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON
HEAD POWER	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
HEAD BATTERY	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
HEAD MEMORY	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
HEAD FAN	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
HEAD TEMP	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
CCU BATTERY	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
CCU MEMORY	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
CCU FAN	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
CCU TEMP	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
OPT LEVEL(CAM)	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
OPT LEVEL(CCU)	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
CABLE STATUS	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
GENLOCK	Internal	OK	OK	OK	OK	OK	OK	OK								
SOTV ASPECT	N/A	16.9	16.9	16.9	16.9	16.9	16.9	16.9	16.9	16.9	16.9	16.9	16.9	16.9	16.9	16.9

Figure. 2.6.4-1

The pages of Monitor category are as follows.

Table. 2.6.4-1

DEVICE	-
CAMERA STATUS	-
DIAGNOSTIC	-
OPTICAL LEVEL	-

2.6.5. Tool

Tool is an independent function category that does not assume group and camera select. Only the panel assignment function can be used. The Group Select Area, the Multi Select Area, and the Camera Select Area are not displayed.

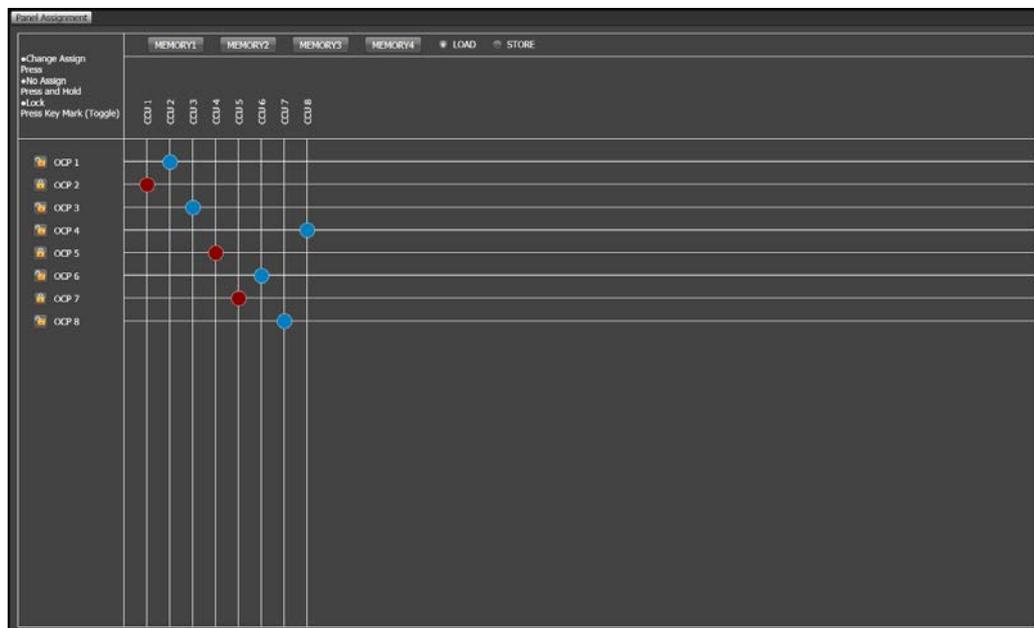


Figure. 2.6.5-1

3. Selecting Groups and Cameras

3.1. Basic concept

Basically, for each category of Control and Setup, select the target camera with Group Select and Camera Select.

VMP can control up to 100 cameras, and camera assign numbers and group assignments are set in Configurations.

From 1 to 16 cameras can be arbitrarily assigned to each group.

It is also possible to duplicate assignments between groups.

Table. 3.1-1

Group Number	Range of Camera Select Number
1	1 ~ 10
2	11 ~ 20
3	21 ~ 30
4	31 ~ 40
5	41 ~ 50
6	51 ~ 60
7	61 ~ 70
8	71 ~ 80
9	81 ~ 90
10	91 ~ 100
11	No Assignment
12	No Assignment

Note:

Unlike our MCP, VMP only switches control targets. There is no Preview command to link VMP with a router or other external equipment.

3.2. Multi control

Multiple control of VMP allows simultaneous control to multiple cameras within the same group. (There are some functional restrictions.)

The multi-control enabled state is referred to as multi-mode, and the single control state is referred to as single mode, and the mode is switched by the multi mode switching button in the Multi Select Area.

In multi mode, the parallel selection button becomes effective, and you can add and delete cameras to be controlled at the same time.

The camera selected by camera select in multi mode is called master, and the other camera to be controlled is called slaves.

The status of the master is displayed on the control screen.

When changing the master camera, you can select only from the parallel selected cameras.

The master and parallel selection state for each group in multi mode is memorized even after switching to single mode only during starting.

You can switch whether or not the state will be reproduced when switching to multi mode again. (See Section 9 for details.)

4. Controlling Cameras

VMP can perform camera control and maintenance as an MCP.

CAUTION:

The functions described in this manual may be inoperative depending on the camera head and CCU to be used, and the license status.

If the function can not be used, check the corresponding function and license of the camera head and CCU.

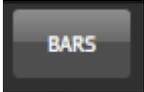
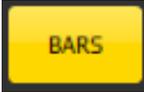
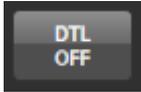
4.1. Common

4.1.1. On/Off Control

There are three types of camera On/Off control. That are alternate type, momentary type, and select type.

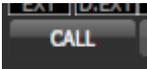
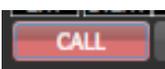
- Alternate type

An alternate type is switched between On and Off each time the button is pressed. There are two of alternate types.

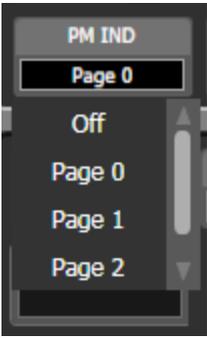
	Off	On
Normal type		
Reverse type (written with OFF)		

- Momentary type

A momentary type is switched On while pressing the button. This type is CALL button only.

	Off	On
CALL button		

- **Select type**
In the case of the select type, pressing the button opens the list of choices. If there are many choices, a scroll bar will be displayed. Select the item or press it again to close the list.

	Close	Open
Select type		

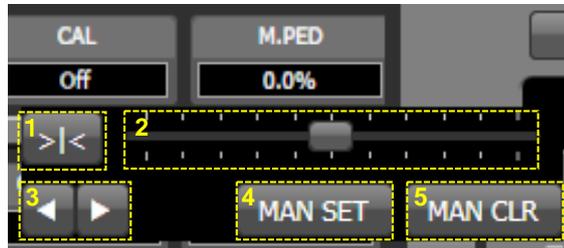
CAUTION:

All defined items are displayed in the list of select type. If it does not change to that value even if you select it, please check whether the camera supports that function.

4.1.2. Analog Control

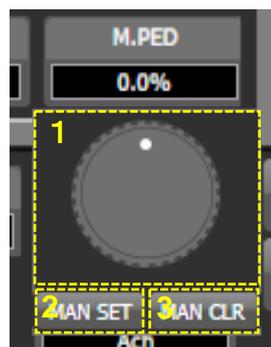
There are two types of camera analog control. One is the slider type and the other is rotate type. Type and control range can be set in Configurations.

- Slider type



1	Center button (slider moves only)
2	Slider control
3	Fine adjustment
4	Manual Set button
5	Manual Clear button

- Rotate type



1	Rotate control
2	Manual Set button
3	Manual Clear button

4.1.3. Common Control

The common controls are displayed at all times when the Control category or Setup category is selected. It provides basic camera control functions.

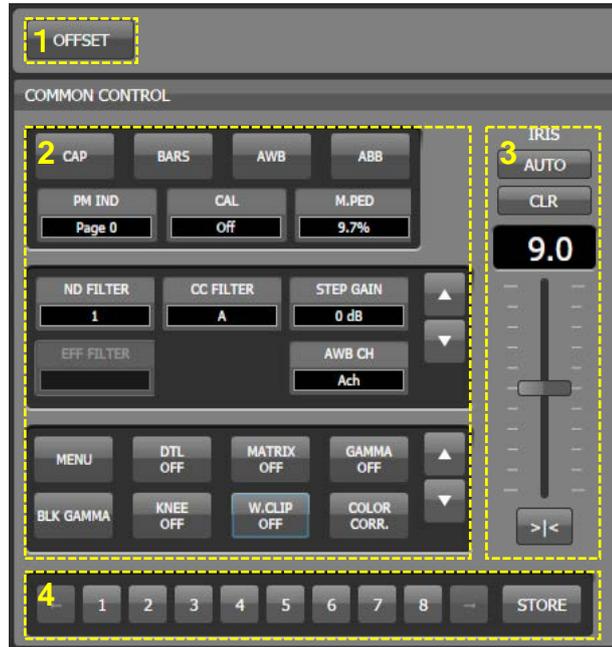


Figure. 4.1.3-1

Table. 4.1.3-1

1	OFFSET button
2	On/Off control, Analog control
3	IRIS control
4	Scene file Load/Store

4.1.4. On-Air Tally guard

The On-Air Tally guard is a function to prohibits some controls during On-Air Tally.

Table. 4.1.4-1

Function Item	Setting of Configurations		
	Off	Limit	All
CAM PWR		✓	✓
VF PWR		✓	✓
CAP		✓	✓
BARS		✓	✓
CAL		✓	✓
AUTO IRIS			
GAIN WOBBLE	✓	✓	✓
ZEBRA INDICATOR	✓	✓	✓
HEAD BARS	✓	✓	✓
CUSTOM GAMMA DEFAULT CLEAR	✓	✓	✓
WFM SELECT			
PM SELECT			
(On/Off items other than above)			✓
AWB/ABB		✓	✓
SYSTEM FORMAT			✓
SCEN FILE LOAD			✓
HD CUTOFF			✓
AUTO SETUP (other than AWB/ABB)			✓
PRESET FILE LOAD		✓	✓
MANUAL SET/CLEAR			✓
ALL MANUAL SET/CLEAR		✓	✓
FILE TRANSFER SEND	✓	✓	✓

✓ = Applies tally guard

4.2. Control category

In Control Category, each control is arranged on the page with a concept similar to an MCP.

4.2.1. ON/OFF

In the ON/OFF page, the common On/Off controls are consolidated on one page. The arranged controls are as follows.

Table. 4.2.1-1

Page	Control	
ON/OFF	GAMMA OFF	W.CLIP OFF
	BLACK GAMMA	FLARE OFF
	KNEE OFF	B.SHADE OFF
	AUTO KNEE	W.SHADE OFF
	GAMMA MODE	DTL OFF
	STEP GAMMA	
	SMOOTH KNEE	
	SUPER KNEE	
		SOFT DTL
		SKIN DTL
		SLIM DTL
		SML DIAGONAL DTL
	BLK STR/PRS	Z.TRACK DTL
	SUPER V	Z.TRACK SKIN
	SHUTTER MODE	COLOR DTL
	SHUTTER SPEED	HI-LIGHT DTL
	MATRIX OFF	COLOR SAT.
	COLOR HUE	CHROMA OFF
		COLOR CORR.
		C.TEMP 5600K
	MATRIX SELECT	CSTM COLOR 1
		CSTM COLOR 2
		ATW
		VAR C.TEMP
	FILTER HEAD	
	FILTER HOLD	
	AVC	
	ND FILTER	
	CC FILTER	
	EFF FILTER	
	NIGHT MODE	
	AWB HEAD	ZOOM REMOTE
		FOCUS REMOTE
	DIGITAL EXT.	DIASCOPE
LENS FILE	TEST PULSE	
AWB CH		
STEP GAIN		

* The gray items are adjusted by select type control.

4.2.2. VIDEO

The controls arranged in the VIDEO page are as follows.

Table. 4.2.2-1

Page	Control	
VIDEO 1	PED	RED/GREEN/BLUE/MASTER
		FLARE OFF
		MATRIX OFF
		BLK GAMMA
	BLK SET	RED/GREEN/BLUE
		GAIN WOBBLE
	FLARE	RED/GREEN/BLUE/MASTER
	GAMMA	RED/GREEN/BLUE/MASTER
	BLK GAMMA	RED/GREEN/BLUE/MASTER
	STEP GAMMA	GAMMA MODE
		STEP GAMMA
		GAMMA OFF
	GAIN	RED/GREEN/BLUE/MASTER
		W.CLIP OFF
		KNEE OFF
		DTL OFF
	AWB CH	AWB CH
		AWB HEAD
	CSTM GAMMA	WIDTH/POINT/LEVEL
		ZEBRA IND
		DEFAULT CLEAR
SHUTTER	SUPER V	
	SHUTTER MODE	
	SHUTTER SPEED	
VIDEO 2	BLK SHADE R	H SAW/H PARA/V SAW/V PARA
		MATRIX OFF
		B.SHADE OFF
		W.SHADE OFF
	BLK SHADE G	H SAW/H PARA/V SAW/V PARA
	BLK SHADE B	H SAW/H PARA/V SAW/V PARA
	WHT SHADE R	H SAW/H PARA/V SAW/V PARA
		W.CLIP OFF
		KNEE OFF
	WHT SHADE G	H SAW/H PARA/V SAW/V PARA
	WHT SHADE B	H SAW/H PARA/V SAW/V PARA
	WHT CLIP	RED/GREEN/BLUE
		AUTO KNEE OFF
	KNEE POINT	RED/GREEN/BLUE/TOTAL
KNEE SLOPE	RED/GREEN/BLUE/TOTAL	
KNEE OTHERS	SMOOTH KNEE	
	SUPER KNEE	

* The gray items are adjusted by select/analog type control.

Table. 4.2.2-2

Page	Control	
SML VIDEO	SML PED	MASTER
		FLARE OFF
		MATRIX OFF
		BLK GAMMA
	SML GAMMA	MASTER
	SML STEP GAMMA	SML GAMMA MODE
		SML STEP GAMMA
		SML GAMMA OFF
	SML GAIN	MASTER
		W.CLIP OFF
		SML KNEE OFF
		DTL OFF
	SML WHT CLIP	RED/GREEN/BLUE
		AUTO KNEE OFF
	SML KNEE POINT	TOTAL
SML KNEE SLOPE	TOTAL	
SML KNEE OTHERS	SML SMOOTH KNEE	

* The gray items are adjusted by select/analog type control.

4.2.3. DTL

The controls arranged in the DTL page are as follows.

Table. 4.2.3-1

Page	Control	
DTL	DTL1	GAIN/FREQ./B-W/BALANCE
		SLIM DTL
		DTL OFF
	DTL2	THRESH/FINE/NOISE SUP./Z. TRACK GAIN
		Z.TRACK DTL
	SOFT DTL	WHT SUP./BLK SUP.
		SOFT DTL
	SKIN DTL GAIN	GAIN/R HUE/B HUE/Z. TRACK GAIN
		Z. TRACK SKIN
		ZEBRA IND
		SKIN DTL
	SKIN HUE	HUE MARKER
		AHD START
	COLOR DTL OBJECT CLIP	SIZE/H POS/V POS.
		HUE MARKER
		AHD START
		COLOR DTL
	COLOR DTL CLIP ADJ.	PHASE/FINE/WIDTH1/WIDTH2
		KEY INV.
		ZEBRA IND
COLOR DTL LEVEL	GAIN	
HI-LIGHT DTL	GAIN/LIMIT	
	HI-LIGHT DTL	

* The gray items are adjusted by select/analog type control.

Table. 4.2.3-2

Page	Control	
SML DTL	SML DTL1	GAIN/FREQ./B-W/BALANCE
		SML DIAGONAL DTL
		DTL OFF
	SML DTL2	THRESH/FINE/NOISE SUP./Z. TRACK GAIN
	Z.TRACK DTL	
	SML SOFT DTL	WHT SUP./BLK SUP.
	SOFT DTL	
	SML SKIN DTL GAIN	GAIN/R HUE/B HUE/Z. TRACK GAIN
		Z. TRACK SKIN
		ZEBRA IND
		SKIN DTL
	SML SKIN HUE	HUE MARKER
		AHD START
	SML COLOR DTL OBJECT CLIP	SIZE/H POS/V POS.
		HUE MARKER
		AHD START
		COLOR DTL
	SML COLOR DTL CLIP ADJ.	PHASE/FINE/WIDTH1/WIDTH2
KEY INV.		
ZEBRA IND		
SML COLOR DTL LEVEL	GAIN	
SML HI-LIGHT DTL	GAIN/LIMIT	
	HI-LIGHT DTL	

* The gray items are adjusted by select/analog type control.

4.2.4. COLOR

The controls arranged in the COLOR page are as follows.

Table. 4.2.4-1

Page	Control	
COLOR	MATRIX R	R-G/R-B
		MATRIX SELECT
		MATRIX OFF
	MATRIX G	G-R/G-B
	MATRIX B	B-R/B-G
	COLOR SAT.	COLOR SAT.
		CHROMA OFF
		COLOR SAT.
	COLOR TEMP	GAIN RED/VAR. C.TEMP/GAIN MASTER/GAIN BLUE
		ATW
		C.TEMP 5600K
		VAR C.TEMP
	COLOR HUE	COLOR HUE
		COLOR HUE
	LOW SAT.	THRESH/SAT.
LOW SAT.		
CSTM COLOR	CSTM COLOR 1 OBJECT CLIP	SIZE/H POS./V POS.
		HUE MARKER
		AHD START
		CSTM COLOR 1
	CSTM COLOR 1 CLIP ADJ.	PHASE/FINE/WIDTH1/WIDTH2
		KEY INV.
		ZEBRA IND
	CSTM COLOR 1 COLOR	HUE/SAT./VALUE/DTL
		DTL OFF
	CSTM COLOR 2 OBJECT CLIP	SIZE/H POS./V POS.
		HUE MARKER
		AHD START
CSTM COLOR 2		
CSTM COLOR 2 CLIP ADJ.	PHASE/FINE/WIDTH1/WIDTH2	
	KEY INV.	
	ZEBRA IND	
CSTM COLOR 2 COLOR	HUE/SAT./VALUE/DTL	

* The gray items are adjusted by select/analog type control.

Table. 4.2.4-2

Page	Control	
COLOR CORR. 6		6 AXIS SET
		6 AXIS CLEAR
		COLOR CORR.
	(AXIS NO.1)	HUE/SAT
	(AXIS NO.2)	HUE/SAT
	(AXIS NO.3)	HUE/SAT
	(AXIS NO.4)	HUE/SAT
	(AXIS NO.5)	HUE/SAT
COLOR CORR. 16		16 AXIS SET
		16 AXIS CLEAR
		COLOR CORR.
	(AXIS NO.1)	HUE/SAT/VALUE
	(AXIS NO.2)	HUE/SAT/VALUE
	(AXIS NO.3)	HUE/SAT/VALUE
	(AXIS NO.4)	HUE/SAT/VALUE
	(AXIS NO.5)	HUE/SAT/VALUE
	(AXIS NO.6)	HUE/SAT/VALUE
	(AXIS NO.7)	HUE/SAT/VALUE
	(AXIS NO.8)	HUE/SAT/VALUE
	(AXIS NO.9)	HUE/SAT/VALUE
	(AXIS NO.10)	HUE/SAT/VALUE
	(AXIS NO.11)	HUE/SAT/VALUE
	(AXIS NO.12)	HUE/SAT/VALUE
	(AXIS NO.13)	HUE/SAT/VALUE
	(AXIS NO.14)	HUE/SAT/VALUE
	(AXIS NO.15)	HUE/SAT/VALUE
(AXIS NO.16)	HUE/SAT/VALUE	

* The gray items are adjusted by select/analog type control.

Table. 4.2.4-3

Page	Control	
SML COLOR	SML MATRIX R	R-G/R-B
		MATRIX SELECT
		MATRIX OFF
	SML MATRIX G	G-R/G-B
	SML MATRIX B	B-R/B-G
	SML COLOR SAT.	COLOR SAT.
		CHROMA OFF
		COLOR SAT.
	SML COLOR HUE	COLOR HUE
		COLOR HUE
SML LOW SAT.	THRESH/SAT.	
	LOW SAT.	
SML CSTM COLOR	SML CSTM COLOR 1 OBJECT CLIP	SIZE/H POS./V POS.
		HUE MARKER
		AHD START
		CSTM COLOR 1
	SML CSTM COLOR 1 CLIP ADJ.	PHASE/FINE/WIDTH1/WIDTH2
		KEY INV.
		ZEBRA IND
	SML CSTM COLOR 1 COLOR	HUE/SAT./VALUE/DTL
		DTL OFF
	SML CSTM COLOR 2 OBJECT CLIP	SIZE/H POS./V POS.
		HUE MARKER
		AHD START
		CSTM COLOR 2
	SML CSTM COLOR 2 CLIP ADJ.	PHASE/FINE/WIDTH1/WIDTH2
		KEY INV.
		ZEBRA IND
SML CSTM COLOR 2 COLOR	HUE/SAT./VALUE/DTL	

* The gray items are adjusted by select/analog type control.

Table. 4.2.4-4

Page	Control	
SML COLOR CORR. 16		16 AXIS SET
		16 AXIS CLEAR
		COLOR CORR.
	(AXIS NO.1)	HUE/SAT/VALUE
	(AXIS NO.2)	HUE/SAT/VALUE
	(AXIS NO.3)	HUE/SAT/VALUE
	(AXIS NO.4)	HUE/SAT/VALUE
	(AXIS NO.5)	HUE/SAT/VALUE
	(AXIS NO.6)	HUE/SAT/VALUE
	(AXIS NO.7)	HUE/SAT/VALUE
	(AXIS NO.8)	HUE/SAT/VALUE
	(AXIS NO.9)	HUE/SAT/VALUE
	(AXIS NO.10)	HUE/SAT/VALUE
	(AXIS NO.11)	HUE/SAT/VALUE
	(AXIS NO.12)	HUE/SAT/VALUE
	(AXIS NO.13)	HUE/SAT/VALUE
	(AXIS NO.14)	HUE/SAT/VALUE
(AXIS NO.15)	HUE/SAT/VALUE	
(AXIS NO.16)	HUE/SAT/VALUE	

* The gray items are adjusted by select/analog type control.

4.2.5. ETC.

The controls arranged in the ETC. page are as follows.

Table. 4.2.5-1

Page	Control	
SYSTEM	GL PHASE	SC COARSE/SC FINE/SML H PHASE/H PHASE
	ENC	GAIN/CHROMA
	ASPECT RATIO	MODE SELECT
	HD CUTOUT	(AREA)/X/Y
		MEMORY1
		MEMORY2
		MEMORY3
STORE		
LENS	AUTO IRIS	PEAK RATIO/LEVEL
		IRIS SET MODE
	ZOOM FOCUS	ZOOM/FOCUS
		ZOOM REMOTE
		FOCUS REMOTE
TRIAx	SD TRIAX TA LEVEL	Y/CB/CR
		HEAD BARS
	SD TRIAX BS LEVEL	RED/GREEN/BLUE
	SD TRIAX BS BLK LEVEL	RED/GREEN/BLUE
	HD TRIAX TA LEVEL	Y/PB/PR
HD TRIAX TA BLACK	Y/PB/PR	
OTHERS	DGTL EXT.	DIGITAL EXT.
	AVC	NIGHT MODE
		AVC
		FILTER HOLD
MIC GAIN	MIC1 FINE/MIC1 STEP/MIC2 FINE/MIC2 STEP	

* The gray items are adjusted by select/analog type control.

4.3. Setup category

4.3.1. STANDARD

On the STANDARD page, there is two functions.

Preset File Load is a function to read a Preset File saved in advance, and it is done separately for the camera head and the CCU.

Note:

Factory Data is factory set value and can not be rewritten by the user.

Manual File is a function to set and restore all analog adjustment values of the camera.

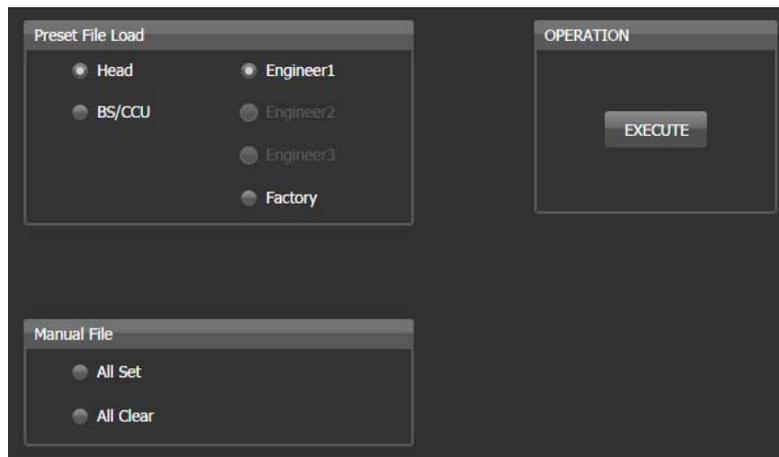


Figure. 4.3.1-1

Table. 4.3.1-1

Preset File Load	Head	Engineer1 / Factory
	BS/CCU	Engineer1 ~ 3 / Factory
Manual File	All Set	-
	All Clear	-

Select the process you want to execute and press the EXECUTE button to execute the process.

4.3.2. FILE

On the FILE page, you can send and receive camera files, and manage the saved files.

(1) TRANSFER

When sending a file to the camera, first select FILE TYPE. Next, select the file to be sent from FILE LIST and press the SEND button. If the MODEL does not match, an error is output.

When receiving a file from the camera, select FILE TYPE and press the RECV button. The file name is generated automatically.

CAUTION:

Depending on the file, transfer may take more than one minute.

FILE TYPE	FILE LIST				OPERATION
	NAME	MODEL	COMMENT	DATE	
● ALL FILES	all_0.cdf	UHK-430M	STUDIO A / NEWS	2018/07/30 17:10:51	SEND RECV
● LENS	all_1.cdf	UHK-430M	STUDIO A / VARIETY	2018/07/30 17:15:46	
● SNAPSHOT	all_2.cdf	UHK-430M	STUDIO A / MUSIC	2018/07/30 17:15:47	
● SCENE	all_3.cdf	UHK-430M	STUDIO A / TALK	2018/07/30 17:15:48	
● REFERENCE	all_4.cdf	UHK-430M	STUDIO B / NEWS	2018/07/30 17:15:49	
	all_5.cdf	UHK-430M	STUDIO B / VARIETY	2018/07/30 17:15:50	
	all_6.cdf	UHK-430M	STUDIO B / MUSIC	2018/07/30 17:15:51	
	all_7.cdf	UHK-430M	STUDIO B / TALK	2018/07/30 17:15:51	
	untitled_8.cdf	UHK-430M		2018/07/30 17:15:52	
	untitled_9.cdf	UHK-430M		2018/07/30 17:15:53	
	untitled_10.cdf	UHK-430M		2018/07/30 17:15:54	
	untitled_11.cdf	UHK-430M		2018/07/30 17:15:58	
	untitled_12.cdf	UHK-430M		2018/07/30 17:16:00	
	untitled_13.cdf	UHK-430M		2018/07/30 17:16:01	

Figure. 4.3.2-1

(2) MANAGEMENT

In the EDIT operation, edit the file name and comment of the selected file. In the DELETE operation, deletes the selected file.

In the EXPORT operation, copies the selected file to external media. You can save it to SD card and transfer files from OCP-300 or MCP-300.

In the IMPORT operation, copies files from external media. Files saved on an SD card can be managed all at once with VMP.

CAUTION:

When handling the exported file with OCP-300 or MCP-300, please match the rules of file system and file name on the device side.

FILE TYPE	FILE LIST				OPERATION
	NAME	MODEL	COMMENT	DATE	
● ALL FILES	all_0.cdf	UHK-430M	STUDIO A / NEWS	2018/07/30 17:10:51	EDIT DELETE EXPORT IMPORT
● LENS	all_1.cdf	UHK-430M	STUDIO A / VARIETY	2018/07/30 17:15:46	
● SNAPSHOT	all_2.cdf	UHK-430M	STUDIO A / MUSIC	2018/07/30 17:15:47	
● SCENE	all_3.cdf	UHK-430M	STUDIO A / TALK	2018/07/30 17:15:48	
● REFERENCE	all_4.cdf	UHK-430M	STUDIO B / NEWS	2018/07/30 17:15:49	
	all_5.cdf	UHK-430M	STUDIO B / VARIETY	2018/07/30 17:15:50	
	all_6.cdf	UHK-430M	STUDIO B / MUSIC	2018/07/30 17:15:51	
	all_7.cdf	UHK-430M	STUDIO B / TALK	2018/07/30 17:15:51	
	untitled_8.cdf	UHK-430M		2018/07/30 17:15:52	
	untitled_9.cdf	UHK-430M		2018/07/30 17:15:53	
	untitled_10.cdf	UHK-430M		2018/07/30 17:15:54	
	untitled_11.cdf	UHK-430M		2018/07/30 17:15:58	
	untitled_12.cdf	UHK-430M		2018/07/30 17:16:00	
	untitled_13.cdf	UHK-430M		2018/07/30 17:16:01	

Figure. 4.3.2-2

4.3.3. AUTO SETUP

On the AUTO SETUP page, execute Auto Setup and Reference Setup.
 For details of each Setup, please refer to the operation manual of camera head.

Table. 4.3.3-1

AUTO	AWB
	ABB
	FULL
	FULL LEVEL
	LEVEL
	FULL QUICK
	QUICK
	BLACK SHADE
	REFERENCE
ABB Reference	
AWB Reference	

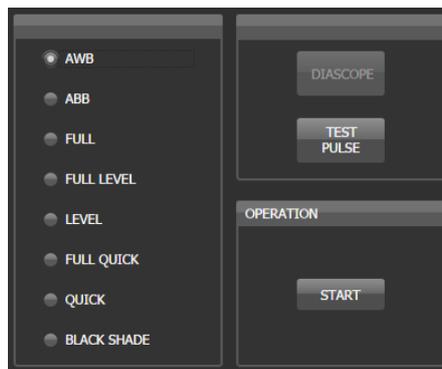


Figure. 4.3.3-1

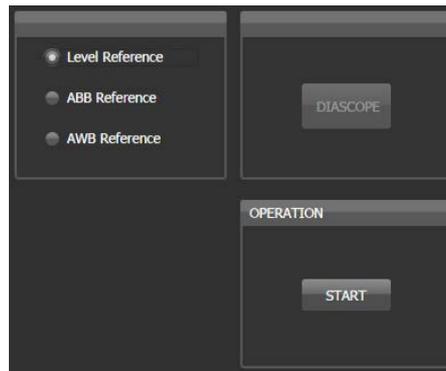


Figure. 4.3.3-2

4.3.4. FORMAT

On the FORMAT page, change the system format of the camera. Select the format from the drop down list and press Execute.

CAUTION:

Because the camera head restarts, camera selection can not be performed temporarily.

5. Monitoring Cameras

The Monitor Category monitors the status of all cameras in the selected group.

5.1. Device

On the Device page, a list of all devices recognized by VMP is displayed.

Note:

Gateway is a communication application. VMP also treats it as one device.

DeviceType	GroupID	DeviceID	DeviceName	ProductName	F/W Version	CheckSum
CCU	0	2		CCU-430	STRB6182V00.01.06	----
L HEAD	0	2	-	UHK-430M	STRB6180V00.01.07	----
OCP	0	1	OCP01	OCP-300	STR-5773V06.04.01	4A05
MCP	0	0	MCP00	MCP-300	STRB006075V01.05.00	D7C1
Gateway	0	0	-	GW	STRB006347V01.00.00	----

Figure. 5.1-1

5.2. Camera Status

On the Camera Status page, the status of all cameras in the selected group is listed. Items not supported by the camera are blank. It is also possible to change the setting by clicking on the cell directly. For items that are different from the standard state, the cell is highlighted. The standard state can be changed in Configurations.

PARA COPY button can only be used in multi mode. Copy the state of the master camera to all slave cameras.

	CAM1	CAM2	CAM3	CAM4	CAM5	CAM6	CAM7	CAM8	CAM9	CAM10	CAM11	CAM12	CAM13	CAM14	CAM15	CAM16
CAP	off															
BARS	off															
CAL	off															
FLARE	On															
Gamma Mode	Normal															
Step Gamma	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45
Black Gamma	off															
White Clip	On															
Knee	On															
Auto Knee	On															
Smooth Knee	off															
Super Knee	off															
BLK Shade	On															
WHT Shade	On															
DTL	On															
Soft DTL	off															
Skin DTL	off															
Slim DTL	off															
SML Diagonal DTL	off															
Color DTL	off															
Z-Track DTL	off															

Figure. 5.2-1

5.3. Diagnostics

On the Diagnostics page, the diagnostic information of all cameras in the selected group is listed. Cells are highlighted for items with alarms.

	CAM1	CAM2	CAM3	CAM4	CAM5	CAM6	CAM7	CAM8	CAM9	CAM10	CAM11	CAM12	CAM13	CAM14	CAM15	CAM16
HEAD POWER	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON
HEAD BATTERY	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
HEAD MEMORV	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
HEAD FAN	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
HEAD TEMP	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
CCU BATTERY	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
CCU MEMORY	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
CCU FAN	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
CCU TEMP	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
OPT LEVEL(CAM)	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
OPT LEVEL(CCU)	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
CABLE STATUS	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
GENLOCK	Internal	OK	OK	OK	OK	OK	OK	OK								
SOTV ASPECT	N/A	16.9	16.9	16.9	16.9	16.9	16.9	16.9	16.9	16.9	16.9	16.9	16.9	16.9	16.9	16.9

Figure. 5.3-1

5.4. Optical Level

On the Optical Level page, the optical level of all cameras in the selected group is displayed graphically.

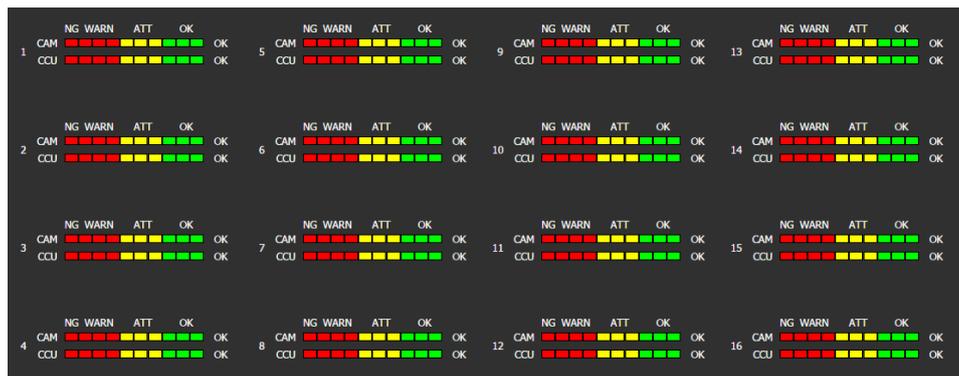


Figure. 5.4-1

6. Panel Assignment

Panel Assignment is a function to change the combination of control panel (OCP) and camera (CCU) connection remotely.

When you change the category to "TOOL", the matrix of vertical axis OCP and horizontal axis CCU is displayed.

Assignment can be switched by selecting (clicking) the intersection of the matrix. Regardless of the group setting, all the OCPs and CCUs recognized at that time are displayed in the matrix.

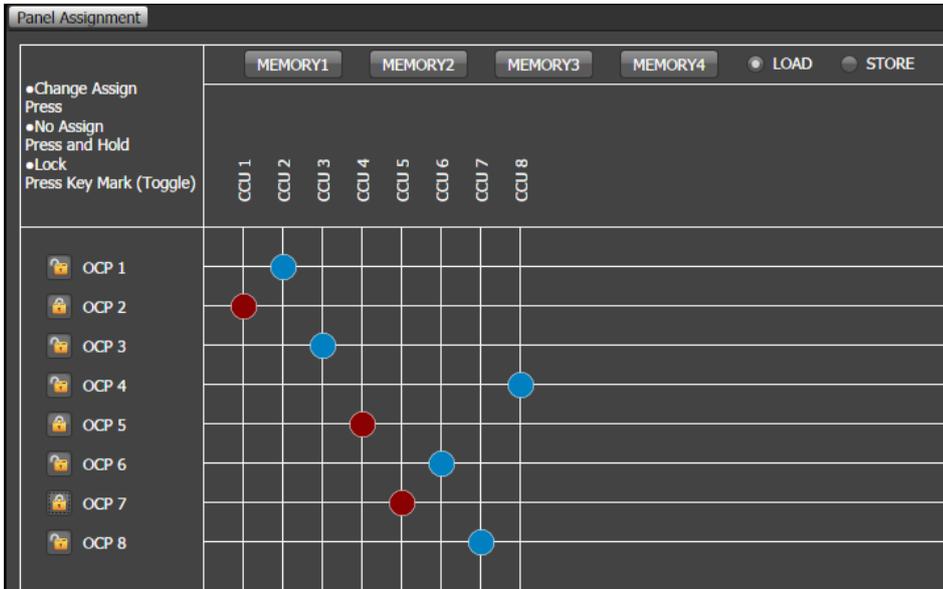


Figure. 6-1

6.1. Change Assignment

You can change the assignment by selecting (clicking) the intersection of OCP and CCU.

When you press and hold an intersection, it sets the OCP assignment to "no assignment".

6.2. Lock

In order to prevent erroneous operation, locking of the assignment operation can be set for each OCP.

Clicking the key mark (🔒) locks the OCP assignment operation. Click again to unlock it.

6.3. Memory

Up to four assignment patterns can be saved.

The assignment pattern is saved as Group/Device ID, not IP addresses.

(1) Load from memory

When "LOAD" is selected and the memory button is pressed, the saved assignment pattern is reproduced. If an OCP or CCU that existed at the time of saving does not exist, it is ignored.

(2) Store to memory

When "STORE" is selected and the memory button is pressed, the assignment pattern at that time is saved. Locked state is not saved.

6.4. Behavior at overlapping

You can specify the behavior when the CCU of the assignment destination is overlapped. (Configurations > Tools > Panel Assignment)

(1) Confirmation Dialog

Sets whether or not to confirm if overlap occurs.

(2) Overlap Action

Single	Overlapping is not allowed. If it is overlapped, the assignment operation will be ignored.
Parallel	Overlapping is allowed.
Swap	Overlapping is not allowed. If it is overlapped, the CCU of the assignment will be exchanged.
No Assignment	Overlapping is not allowed. If it is overlapped, that OCP will be set to "No Assignment".

7. Control Depth

Control Depth is a function to restrict the controllable range of the VMP operator in four levels.

To change the restriction level, you need to enter a password (4 digit number).

Restriction Level

Basic	Restricted basic items and monitoring
Standard	Basic plus some functions for camera operation
Extended	All basic camera operation items
Complete	No restriction

7.1. Restricted items

Restricted Items (Menu)

Function / Page		B	S	E	C	
Menu	File	Import License...				✓
		Quit	✓	✓	✓	✓
	Setting	Scaling	✓	✓	✓	✓
		Control Depth	✓	✓	✓	✓
		Configurations...				✓
	Help	Manual	✓	✓	✓	✓
		License	✓	✓	✓	✓
		About	✓	✓	✓	✓

B=Basic, S=Standard, E=Extended, C=Complete

Restricted Items (Page)

Function / Page		B	S	E	C	
Common Control	Menu *				✓	
	Items except Menu *	✓	✓	✓	✓	
Control	ON/OFF *			✓	✓	
	VIDEO	VIDEO 1 *			✓	✓
		VIDEO 2 *			✓	✓
		SML VIDEO *			✓	✓
	DTL	DTL *			✓	✓
		SML DTL *			✓	✓
	COLOR	COLOR *			✓	✓
		CSTM COLOR *			✓	✓
		COLOR CORR. 6 *			✓	✓
		COLOR CORR. 16 *			✓	✓
		SML COLOR *			✓	✓
		SML CSTM COLOR *			✓	✓
		SML COLOR CORR. 16 *			✓	✓
	ETC.	SYSTEM				✓
		LENS				✓
		TRIAx				✓
OTHERS					✓	
USER	USER1~4 *				✓	
Setup	STANDARD *				✓	
	FILE	TRANSFER *			✓	
		MANAGEMENT *				✓
	AUTO SETUP	AUTO *		✓	✓	✓
		REFERENCE				✓
FORMAT *				✓		
Monitor	DEVICE	✓	✓	✓	✓	
	CAMERA STATUS	✓	✓	✓	✓	
	DIAGNOSTIC	✓	✓	✓	✓	
	OPTICAL LEVEL	✓	✓	✓	✓	
Tool	PANEL ASSIGNMENT *			✓	✓	
Manual Clear *			✓	✓	✓	
Manual Set *				✓	✓	
Multi Control		✓	✓	✓	✓	

B=Basic, S=Standard, E=Extended, C=Complete

* Customizable at (Configurations > General > Control Depth)

7.2. Changing restriction level

To change the restriction level of Control Depth, select level from (Setting > Control Depth) on the Menu bar and enter the password.

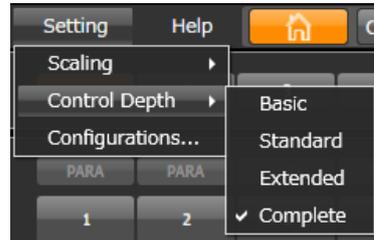


Figure. 7.2-1

7.3. Changing password

The initial password is "0000".

When using the Control Depth function, please change it with Configurations. (Configurations > General > Control Depth > Change Password)

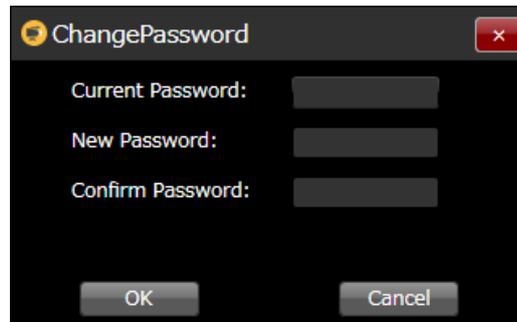


Figure. 7.3-1

7.4. How to initialize password

If you have forgotten your password, please initialize your password by installer. Launch installer and select "Initialize Password".

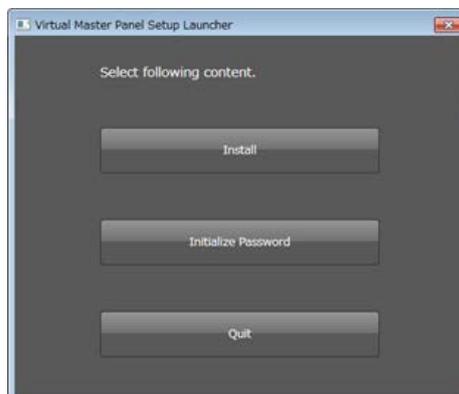


Figure. 7.4-1

8. Customize

VMP can customize some control items according to the user's operating discipline.

8.1. Home

Home launcher can be customized in Configurations.
(Configurations > Customize > Home)

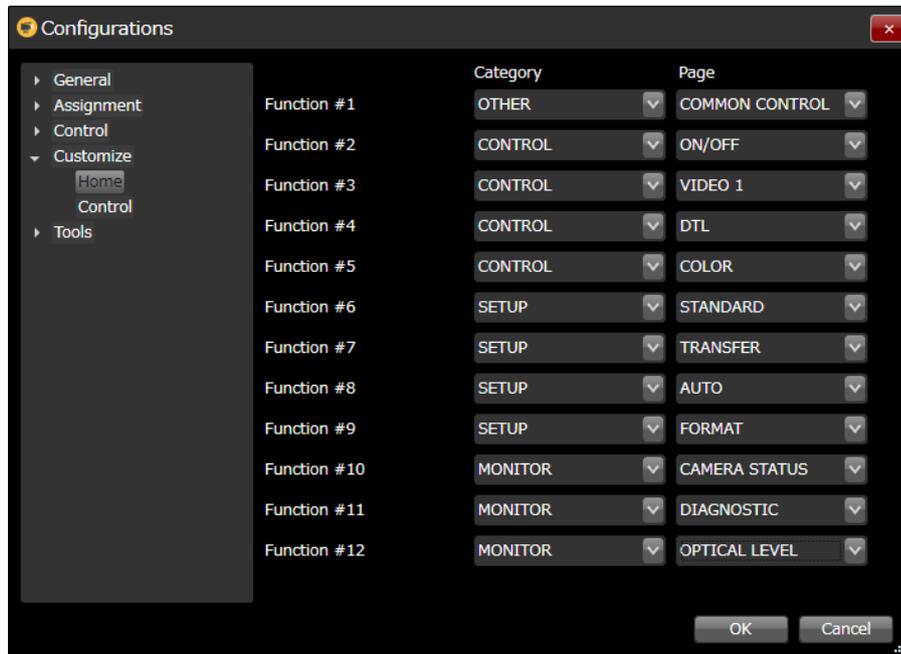


Figure. 8.1-1

Please set each function without a gap. Also, it is not possible to set two or more same Functions.

8.2. User

You can customize USER 1 to 4 pages of the Control category.

(Configurations > Customize > Control)

In addition, you can set the name displayed in the page section of the Control category. (Up to 8 characters)

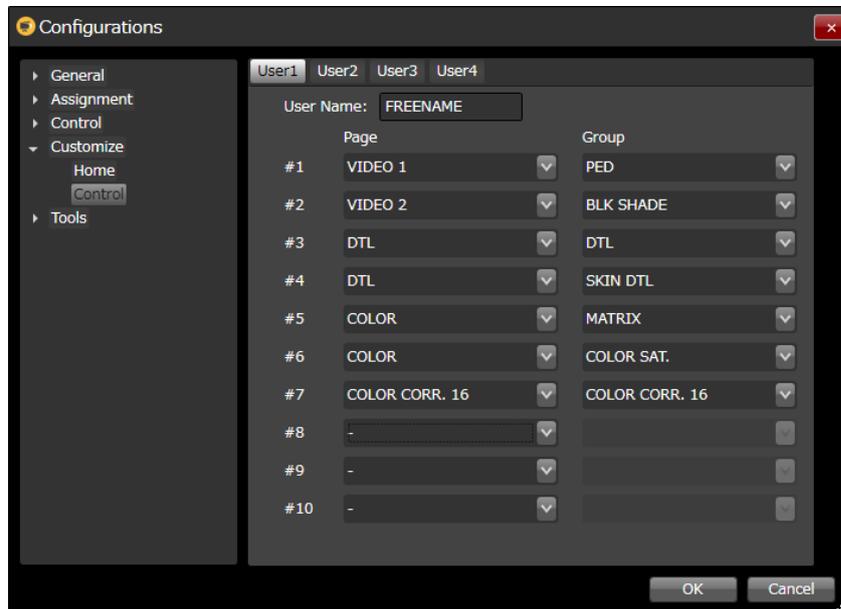


Figure. 8.2-1

8.3. Standard Function

The standard setting of Camera Status displayed in the Monitor category can be changed. (Configurations > General > Standard Function)

Items different from the standard setting are highlighted.

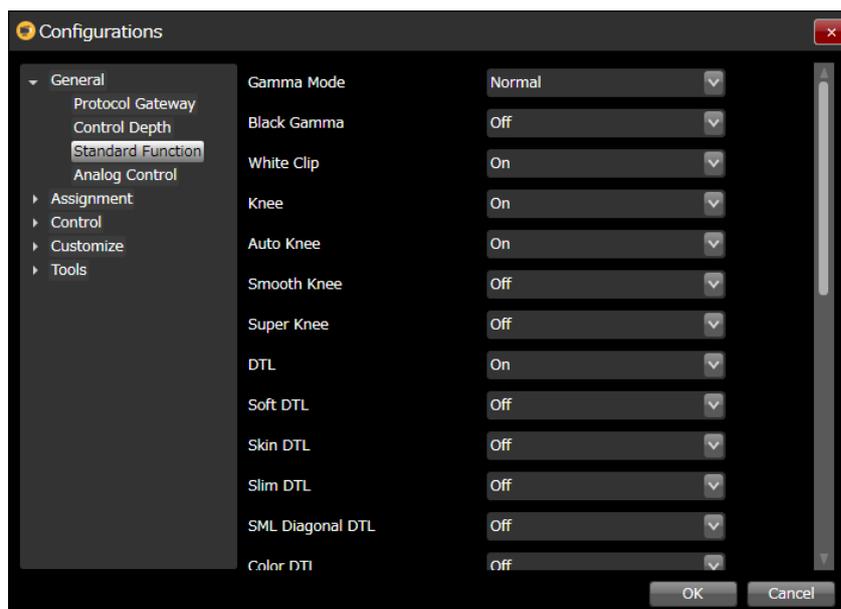


Figure. 8.3-1

8.4. Control Depth

You can customize the restriction level of the Control Depth for each item.
(Configurations > General > Control Depth)
You can also change password here.

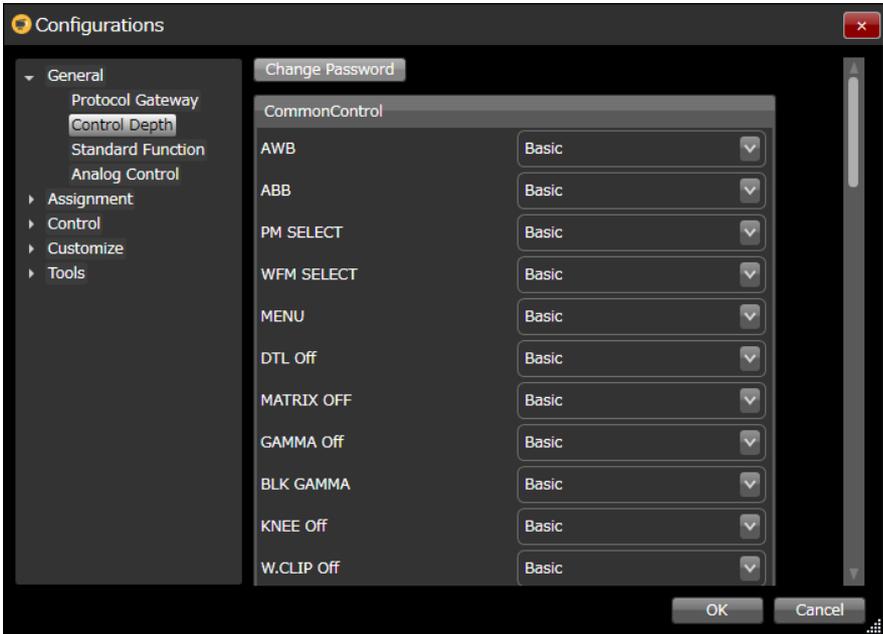


Figure. 8.4-1

9. Configurations

Table. 9-1

Category / Item	Description
General	
Protocol Gateway	
IP Address	Default: 127.0.0.1 *1
Port No (Control)	Default: 55100 *1
Port No (Data)	Default: 55110 *1
Control Depth	See Section 7.1 for details
Change Password	See Section 7.3 for details
Standard Function	
Analog Control	
Control Type	Analog Control Type (Slider, Rotate)
Range	Analog Control Range (1/4, 1/2, STD, x2, x4)
Assignment	
Camera	See Section 3.1 for details
Group	See Section 3.1 for details
Control	
Control	
Tally Guard	Off, Limit, All (See Section 4.1.4 for details)
Hi Gain Send	Items of +60 dB or more of Step Gain
Multi Select Keep	Keep parallel selection or not
Display	
M.PED Value	%data, CONT
W.CLIP Value	%data, CONT
Call Latch	On, Off
Disp Limit	On, Off
Customize	
Home	See Section 8.1 for details
Control	See Section 8.2 for details
Tools	
Panel Assignment	
Confirmation Dialog	On, Off
Overlap Action	Single, Parallel, Swap, No Assign

*1 It is an item to change when using in a special environment. Normally must not change.

10. License Options

All functional categories and pages in VMP are provided as licensing options with charge.

To issue licenses, you need the MAC address of the PC on which the application is installed. (Wired LAN only)

Please contact us for details.

Table. 10-1

License Option	Function category / page
Camera Control	Control category
Multi Control	Multi control function (Camera Control license is required)
Standard Function	Setup category (Standard)
File Operation	Setup category (File)
Auto Setup	Setup category (Auto Setup)
System Format	Setup category (Format)
Status Monitor	Monitor category
Panel Assignment	Tool category

10.1. How to import license

- (1) Select (File> Import License ...) from Menu.

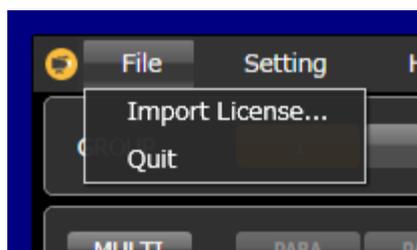


Figure. 10.1-1

- (2) Select the license file from the dialog box.
- (3) Select OK when the dialog box prompts to restart the application.

10.2. Confirm valid license

You can check the status of license options from the Menu.

(Help > License)

Table. 10.2-1

Expiration Date	Description
YYYY/MM/DD	The license is valid with the expiration date.
Purchased	The license is valid indefinitely.
Not Purchased	The license is invalid.

11. Frequently Asked Questions

Q1.

Device is not recognized.

A1.

Please check whether the Group ID, Device ID, Master setting of each device is correct. Also check the connection with the communication application.

Q2.

Camera function is disabled.

A2.

All of the following conditions must be satisfied for the function to be effective.

- Camera supports that function
- License option is valid
- Control Depth is not restricted

Please check whether all of the above conditions are satisfied.

Q3.

Can not display and change OCP assignment destination in Panel Assignment.

A3.

If OCP Mode is set to other than Normal Mode, OCP assignment can not be controlled remotely. Please set OCP Mode to "NOR" from Panel Config of OCP.

Q4.

In the ON / OFF control, it does not change to the selected item.

A4.

In an VMP, all items are displayed for control selected from multiple items such as Step Gain and Preset Shutter.

If it does not change to that value even if you select it, please check whether the camera supports that function.

Q5.

Characters are small and difficult to read.

A5.

By changing the scaling it is possible to display the entire UI including characters in large size. However, the display range becomes narrower by that much.

12. Specifications

12.1. System Requirements

Table. 12.1-1

Operating System	Microsoft Windows® 7 Professional SP1 (64bit/32bit) Microsoft Windows® 10 Professional (64bit/32bit)
Runtime	.NET Framework 4.6.2
Processor	1 GHz or faster 32-bit (x86) or 64-bit (x64) processor
Memory	1 GB RAM (32-bit) or 2 GB RAM (64-bit)
Storage	16 GB available disk space (32-bit) or 20 GB (64-bit)
Graphics	DirectX9 graphics device with WDDM 1.0 or higher driver
Network	100Mbps or faster ethernet adapter (wired only)
Resolution	1366x768 or 1920x1080 (recommended)

12.2. Enabled Devices

VMP supports the camera heads of the Unicam HD series or later and the devices that can be directly connected to the network as follows.

Depending on the time of sale, it may be necessary to update the firmware of these devices. Please contact us for details.

Table. 12.2-1

Camera Head	UHK-430, HDK-97A, HDK-99, HDK-55, HDK-79GX, HDK-73 (Unicam HD series or later)
CCU / BS	CCU-430, CCU-980, BS-98
Control Panel	MCP-300, OCP-300

* As of August 2018

13. Changing Information

VMP
VIRTUAL MASTER PANEL

Operation Manual

First edition: October 2018

Published in Utsunomiya Factory of Ikegami Tsushinki Co.,Ltd.

- All rights reserved. Reproduction or duplication, without permission of Ikegami Tsushinki Co., Ltd. of editorial or pictorial content in whole or in part, in any manner, is prohibited.
- Specifications and design are subject to change without prior notice.

Ikegami

Ikegami Tsushinki Co., Ltd.

5-6-16, Ikegami, Ohta-ku, Tokyo, 146-8567, Japan
Phone : +81-(0)3-5700-4114 Fax : +81-(0)3-5748-2200
E-Mail : info_e@ikegami.co.jp
URL : <http://www.ikegami.co.jp/en/>

Ikegami Electronics (U.S.A.),Inc.

300 Route 17 South, Mahwah, New Jersey 07430, U.S.A.
Phone : +1-201-368-9171 Fax : +1-201-569-1626
E-Mail : engineering@ikegami.com, service@ikegami.com
URL : <http://www.ikegami.com>

Ikegami Electronics (Europe) GmbH

Ikegami Strasse 1, D-41460 Neuss, GERMANY
Phone : +49-(0)2131-123-0 Fax : +49-(0)2131-102820
E-Mail : info@ikegami.de
URL : <http://www.ikegami.de>

Ikegami Electronics (Europe) GmbH - UK

Unit E1, Cologne Court, Brooklands Close,
Sunbury-on-Thames, Middlesex, TW16 7EB, UK.
Phone : +44-(0)1932-76 97 00 Fax : +44-(0)1932-76 97 10
E-Mail : technical@ikegami.co.uk , sales@ikegami.co.uk

Property of :