

SONY

CineAlta

Remote Control Guide

V2.0 (May 2025)

CONTENTS

Introduction	2
VENICE / VENICE 2	
Control VENICE Remotely.....	4
Control VENICE with RM/ RCP	5
Control VENICE with Web Remote Control.....	7
Main Functions Controllable using the RM/ RCP	11
BURANO	
Control BURANO Remotely.....	15
Control BURANO with RCP.....	15
Control BURANO with Monitor & Control.....	20
Control BURANO with Camera Remote Toolkit.....	21
Appendix	
RCP Capability:	22

INTRODUCTION

Both VENICE 2 and BURANO are capable of remote control, but the available methods of control vary depending on the model as follows.

Control method		VENICE 2	BURANO
RCP/RM panel	8-pin cable	✓	-
RCP panel	Wired LAN	-	✓
GP-VR100	Grip Remote Control cable	-	✓
RM-30BP	LANC cable	-	✓
Web browser	Wired/Wireless LAN	✓	-
Monitor & Control app	Wireless LAN / USB cable	-	✓
Camera Remote SDK	Wired LAN	-	✓

VENICE / VENICE 2

CONTROL VENICE REMOTELY

VENICE/ VENICE2 supports control from an RM/ RCP panel that can be used with broadcast camcorders and system cameras. When connected, ITU-R Rec.2020 color space and HLG are selectable, and adjustment of various paint parameters is supported.

VENICE 2 with Version 3.0 firmware when RM/ RCP Paint Control is on, the Look can now be selected as a LUT and applied to various video outputs. Use of User 3D LUT is also supported. Additionally, Saturation and Skin Detail functions have been added to Paint menu. When RM. RCP Pint Control is off (standard mode), you can now set whether to control the white balance function and shutter function from a remote control unit.

Using Wi-Fi of an Ethernet connection, LUTs CDLs and ART files can all be imported directly onto cameras, so there's no need to physically upload them using SD cards. CDLs can then be controlled and adjusted via a web interface and embedded in clip metadata.

In this document, we will introduce the various remote control capabilities of the VENICE/ VENICE 2.

Control VENICE with RM/ RCP

VENICE/ VENICE 2 supports control from RM/ RCP panel that can be used with broadcast camcorders and system cameras. In this chapter, we will explain how to connect the RCP.

The manual for VENICE/ VENICE 2 is also available on our web page:

<https://pro.sony/products/digital-cinema-cameras/venice>

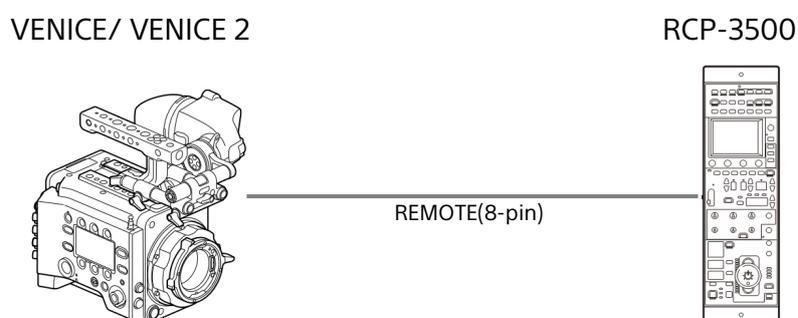
<https://pro.sony/products/digital-cinema-cameras/venice2>

Compatible RCP models

VENICE/ VENICE 2 is compatible with the following RCPs:

Model	Product Page
RM-B170	https://pro.sony/products/camera-control-panels/rm-b170
RM-B750	https://pro.sony/products/camera-control-panels/rm-b750/
RCP-1000	https://pro.sony/products/camera-control-panels/rcp-1000
RCP-1001	https://pro.sony/products/camera-control-panels/rcp-1001
RCP-1500	https://pro.sony/products/camera-control-panels/rcp-1500
RCP-1501	https://pro.sony/products/camera-control-panels/rcp-1501
RCP-1530	https://pro.sony/products/camera-control-panels/rcp-1530
RCP-3100	https://pro.sony/products/camera-control-panels/rcp-3100
RCP-3500	https://pro.sony/products/camera-control-panels/rcp-3500
RCP-3501	https://pro.sony/products/camera-control-panels/rcp-3501

RCP Configuration Example



This is an example of the procedure to connect VENICE/ VENICE 2 and RCP-3500.

Please note that the menu content may vary depending on the RCP you are using, so please refer to the manual of the specific equipment you are using for more information.

Wiring the Equipment

1. Connect the camera connector of the control unit to the REMOTE connector (8-pin) of the unit using remote control cable.
2. When you turn on the unit after making the connection, the unit enters remote control mode, enabling menu operations and shooting operations.

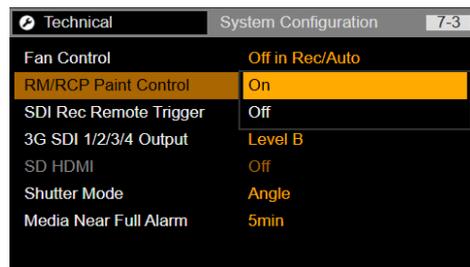
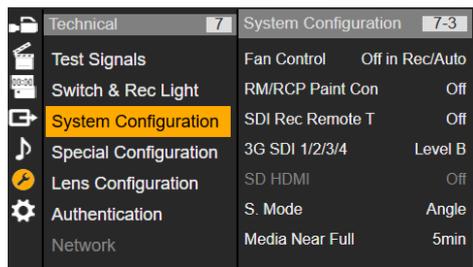
Notes:

- Do not connect or disconnect the remote control unit when the units is on.
- A remote control cable is not supplied with the Remote Control Panel.

Releasing Remote Control Mode

Turn off the units, and disconnect the remote control unit.

Setting the Paint Function



- Go to Technical > System Configuration.
- RM/ RCP Paint Control must be set to On in the full menu to enable the paint function.

Control VENICE/ VENICE 2 with Web Remote Control

Connecting the unit to a network allows you to control various settings of the unit from a computer, smartphone, tablet, or other device and to display information about the unit.

Notes:

- When connecting to the Internet, connect via a router, a device with a router function, or a firewall to avoid external attack.

Compatible Devices

Device	OS	Browser
Computer	Microsoft Windows 10/ 11	Chrome
	MacOS 13.x/ 14.0	Safari
Smartphone	Android 13.x/ 12.x	Chrome
	iOS 16.x/ 17.x	Safari
Tablet	Android 13.x/ 12.x	Chrome
	iPadOS 16.x/ 17.x	Safari

Notes:

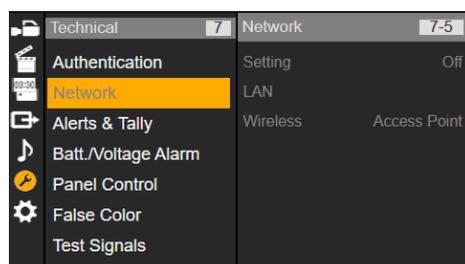
- The controls may not be displayed normally, depending on the version of the browser you are using. Operation in the following versions of the browsers that has been verified.

Safari:17

Chrome: 116

Connecting the Unit and Device via Wired LAN

1. Connect the network connector of the unit and computer using a LAN cable. Or connect the network connector of the unit and router using a LAN cable.
2. Set Technical > Network Setting in the full menu to LAN.



3. Configure the unit.

To obtain the IP address of the unit Automatically:

Set Technical > Network > LAN > DHCP in the full menu to On, then select Set to apply the setting. To enter the IP address of the unit.

To enter the IP address of the unit manually:

Set Technical > Network > LAN > DHCP in the full menu to Off, enter the specified IP address using LAN > IP Address and select Set to apply the setting.

When the wired LAN connection is enabled, the LAN icon of the network connection status indicator is displayed on a screen.

Connecting the Unit and Device via Wireless LAN

The unit can connect to devices using wireless LAN connection by attaching the CBK-WA02 Wireless LAN Adaptor (optional) to the unit.

1. Attach the USB extension adaptor to the point shown in the following diagram, and turn the retaining screw clockwise to set it in position.

You can adjust the position of the USB extension adaptor over the range shown in the following diagram.



2. Attach the supplied cap to the USB connector of the USB extension adaptor.
3. Open the cover of the external device connector block, and insert the USB connector of the USB extension adaptor into the external device connector.
4. Insert the CBK-WA02 into the USB connector of the USB extension adaptor.



Displaying the Web Remote Control

The web remote control is displayed when the unit is accessed from the browser of a device. The web remote control screen is automatically resized to match the screen size of the connected device.

1. Connect the unit and device as described in "Connecting the Unit and Device via Wired LAN" or "Connecting the Unit and Device via Wireless LAN".
2. Launch a browser on the device and enter "http://IP address of unit/rm.html" in the URL bar. You can check the IP address of the unit using Info category >

System > IP Address in the menu. For example, if the IP address is 192.168.1.1, enter "http://192.168.1.1/ rm.html" in the URL bar.

3. Enter the user name and password (Technical > Authentication in the full menu) on the browser screen. When connection is successful, the web remote control screen appears on the device.

Web Remote Control Screen

Select (Global Menu) at the top left of the web remote control screen to display the Global Menu. Select the item you want to configure.

-Camera Control Screen

- a) Camera screen

You can configure the same items that are displayed on the Home screen of the sub display on the Camera screen.

- b) Lens Screen

Lens controls for zoom, focus, and iris are displayed on the Lens screen.

- c) Info Screen

The Info screen displays the same contents as the Info category (page 65) of the sub display menu screen, allowing you to check the status of the camera, media, and battery.



a)



b)



c)

- d) Full Menu screen

Select Full Menu in the Global Menu to display the full menu screen in order to configure items.

- e) OSS (Open Source Software) Information screen

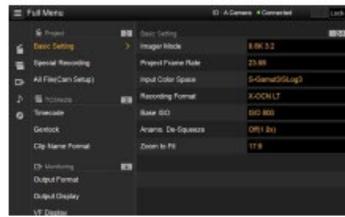
Select OSS Information in the Global Menu to display the open source software information.

- f) Playback screen

You can play clips on the playback screen. Information about the playback clip is also displayed in the status display area on the screen.



d)



e)



f)

-Home button

Press the HOME button to return to the Camera screen. When the camera is in playback mode, pressing the HOME button returns to the camera shooting status even when the playback screen is displayed on the web remote control screen.

-CLIPS button

Press the CLIPS button to return to the playback screen.

Main Functions Controllable using the RM/ RCP

Item	Sub-item	RCP-1000 RCP-1001	RCP- 15XX/35XX	RCP-3100	RM-B170	RM-B750	
Shooting	FPS	Fixed/Variable Select	-	✓	-	✓	
		FPS Select	-	✓	-	✓	
	Shutter Select	Shutter ON/OFF	-	✓	✓	✓	✓
		ECS ON/OFF	-	✓	✓	✓	✓
		Shutter Speed	-	✓	✓	✓	✓
		ECS Frequency	-	✓	✓	✓	✓
	ND	ND Position	✓	✓	✓	✓	✓
	Gain	Gain (Step)	✓	✓	✓	✓	✓
	White Balance	Color Temp	-	✓	✓	✓	✓
		Color Temp Balance	-	✓	✓	✓	✓
		R Gain	✓	✓	-	✓	✓
		B Gain	✓	✓	-	✓	✓
		Auto White Balance	✓	✓	✓	✓	✓
		Auto Tracing White	-	-	-	-	✓
	Project	Screen File	✓	✓	✓	-	✓
Standard File		✓	✓	-	-	✓	
Paint	Switch Status	Gamma	-	✓	✓	✓	✓
		Black Gamma	-	✓	✓	✓	✓
		Matrix	-	✓	✓	-	✓
		Knee	-	✓	✓	✓	✓
		White Clip	-	✓	✓	-	✓
		Detail	-	✓	✓	-	✓
		Flare	-	✓	✓	✓	✓
		Test Saw	-	✓	✓	✓	✓
	Black	Master Black	✓	✓	✓	✓	✓
		R Black	✓	✓	✓	✓	✓
		B Black	✓	✓	✓	✓	✓
	Flare	Setting	-	✓	✓	✓	✓
		Master Flare	-	✓	✓	✓	-
		R Flare	-	✓	✓	-	✓
		G Flare	-	✓	✓	-	✓
		B Flare	-	✓	✓	-	✓
	Gamma	Setting	-	✓	✓	✓	✓
		Gamma Category	-	✓	-	-	✓
		Gamma Select	-	✓	-	-	✓
	Black Gamma	Setting	-	✓	✓	✓	✓
		Range	-	✓	-	-	✓
		Master Black Gamma	-	✓	✓	✓	✓
	Saturation	Setting	-	✓	✓	-	✓
		Level	-	✓	✓	-	✓
	Knee	Setting	✓	✓	✓	✓	✓
		Point	✓	✓	✓	✓	✓
		Slope	✓	✓	✓	-	✓
	White Clip	Setting	-	✓	✓	-	✓
		Level	-	✓	-	-	✓

Item	Sub-item	RCP-1000 RCP-1001	RCP- 15XX/35XX	RCP-3100	RM-B170	RM-B750	
Paint	Detail	Setting	-	✓	✓	-	✓
		Level	-	✓	✓	-	✓
		H/V Ratio	-	✓	-	-	✓
		Crispeneing	-	✓	-	-	✓
		Level Depend	-	✓	-	-	✓
		Level Depend Level	-	✓	-	-	✓
		Frequency	-	✓	-	-	✓
		Knee Aperture	-	✓	-	-	✓
		Knee Aperture level	-	✓	-	-	✓
		Limit	-	✓	-	-	✓
		White Limit	-	✓	-	-	✓
	Black Limit	-	✓	-	-	✓	
	Skin Detail	Setting	-	✓	✓	-	✓
		Skin Gate	-	✓	✓	-	✓
		Natural Skin Detail	-	✓	-	-	-
		Zoom Link	-	✓	-	-	-
		Channel Switch	-	✓	-	-	✓
		CH1 Detail Setting	-	✓	-	-	✓
		CH2 Detail Setting	-	✓	-	-	✓
		CH3 Detail Setting	-	✓	-	-	✓
	Matrix	Setting	-	✓	✓	-	✓
		User Matrix	-	✓	-	-	✓
		User Matrix R-G	-	✓	-	-	✓
		User Matrix R-B	-	✓	-	-	✓
		User Matrix G-R	-	✓	-	-	✓
		User Matrix G-B	-	✓	-	-	✓
		User Matrix B-R	-	✓	-	-	✓
		User Matrix B-G	-	✓	-	-	✓
	Multi Matrix	Setting	-	✓	-	-	✓
		Area Indication	-	✓	-	-	✓
		Reset	-	✓	-	-	✓
		Axis	-	✓	-	-	✓
		Hue	-	✓	-	-	✓
Saturation		-	✓	-	-	✓	
Technical	Test Signals	Color Bars ON/OFF	✓	✓	✓	✓	✓
		Test Saw	-	✓	✓	✓	✓
		Rec	-	-	-	✓	✓
		Play	-	-	-	✓	✓
		Stop	-	-	-	✓	✓
		F.Rev	-	-	-	✓	✓
		F.Fwd	-	-	-	✓	✓
		Rec Review	-	-	-	✓	✓
		Next	-	-	-	✓	-
		Prev.	-	-	-	✓	-
White Mode	Preset On/Off	-	-	-	-	✓	✓
Iris	Iris Level	✓	✓	✓	✓	✓	✓
	Close	✓	✓	✓	-	✓	✓
	Auto Iris On/Off						

Item	Sub-item	RCP-1000 RCP-1001	RCP- 15XX/35XX	RCP-3100	RM-B170	RM-B750
Zoom	Remote	-	✓	✓	✓	-
	Speed	-	-	-	-	-
	Tele-Wide	-	✓	✓	✓	-
	Zoom Value [%]	-	✓	✓	✓	-
	Focal Length [mm]	-	✓	✓	✓	-
Focus	Remote	-	✓	✓	✓	-
	Focus Position	-	✓	✓	✓	-
	Focus Value [%]	-	✓	✓	✓	-
	Focus Length [m]	-	✓	✓	✓	-
Call	✓	✓	✓	✓	✓	
Tally	R-Tally					
	G-Tally					

Notes:

This capability chart is for when the RCP-1501/3501 is connected. The available features and limitations vary depending on what RM/RCP you use.

For more details, please refer the user manual.

<https://pro.sony/products/digital-cinema-cameras/venice>

<https://pro.sony/products/digital-cinema-cameras/venice2>

BURANO

CONTROL BURANO REMOTELY

The new BURANO is the latest addition to Sony's prestigious CineAlta lineup. It combines exceptional image quality with high mobility. Compact, versatile, and flexible, the BURANO is the world's first digital cinema camera with a PL-Mount to feature in-body image stabilization and auto focus.

Not only that, the BURANO allows for more flexible operation through remote control. It is compatible with control from smartphones and tablet devices using the Monitor & Control App. By using the Camera Remote SDK, it is possible to develop control systems tailored to each customer's specific needs.

Furthermore, with the recent release of Ver. 1.1, control from the RCP is also possible.

In this document, we will introduce the various remote control capabilities of the BURANO.

Control BURANO with RCP

BURANO now supports control from RCP starting from Ver. 1.1. In this chapter, we will explain how to connect the RCP. The manual for BURANO Ver. 1.1 is also available on our web page: <https://pro.sony/products/digital-cinema-cameras/burano>

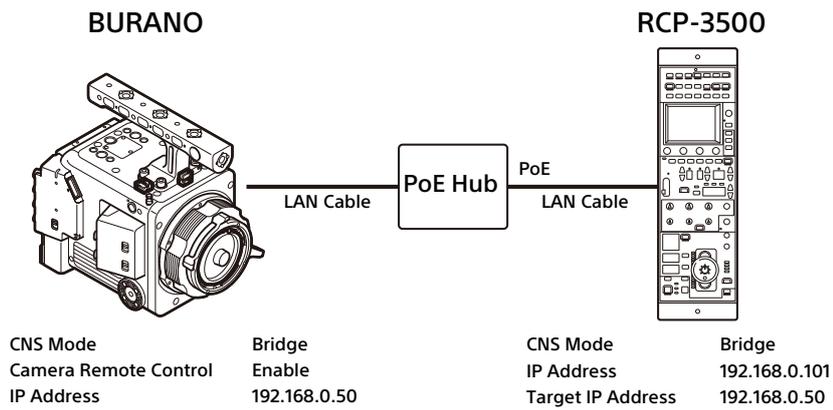
Compatible RCP models

BURANO is compatible with the following RCPs:

Model	Product Page
RCP-1500	https://pro.sony/products/camera-control-panels/rcp-1500
RCP-1501	https://pro.sony/products/camera-control-panels/rcp-1501
RCP-1530	https://pro.sony/products/camera-control-panels/rcp-1530
RCP-3100	https://pro.sony/products/camera-control-panels/rcp-3100
RCP-3500	https://pro.sony/products/camera-control-panels/rcp-3500
RCP-3501	https://pro.sony/products/camera-control-panels/rcp-3501

*RM-B750/B170 cannot be connected to BURANO.

RCP Configuration Example



This is an example of the procedure to connect BURANO and RCP-3500.

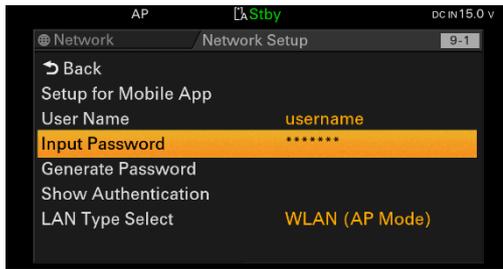
The equipment connection method and overview, such as IP addresses, are as shown in the diagram above. Please note that the menu content may vary depending on the RCP you are using, so please refer to the manual of the specific equipment you are using for more information.

Wiring the Equipment

3. Connect the BURANO to the Ethernet hub via a LAN cable.
4. Connect the RCP to the PoE-capable port on the Ethernet hub via a LAN cable.
5. Turn on the PoE hub, the RCP, and the BURANO.

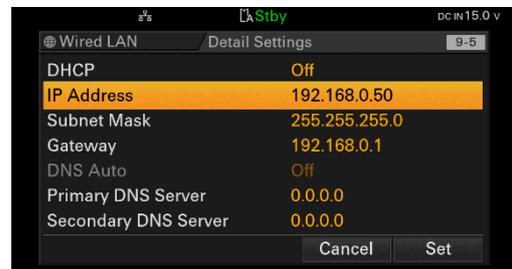
Setting up the BURANO

1. Setting up a Username and a Password



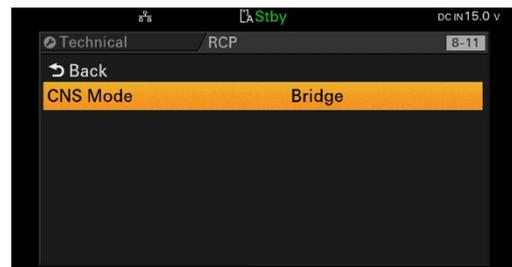
- Go to Network > Network Setup.
- Set a username and a password.

2. Setting up the Wired LAN



- Enable the Wired LAN in Network > Network Setup > Lan Type Select.
- Set IP address, Subnet mask, Gateway in Network > Wired LAN > Detail Settings.

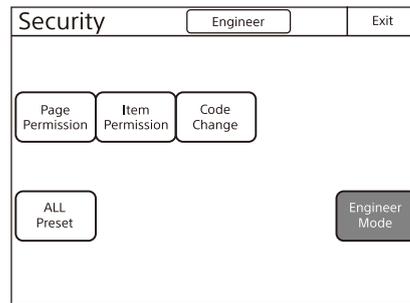
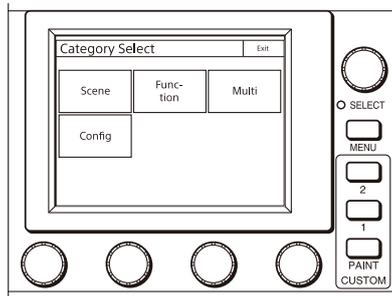
3. Setting up the Remote Function



- Set Network > Wired LAN > Camera Remote Control to Enable.
- Set Technical > RCP > CNS Mode to Bridge.

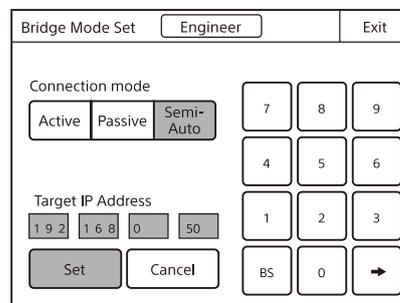
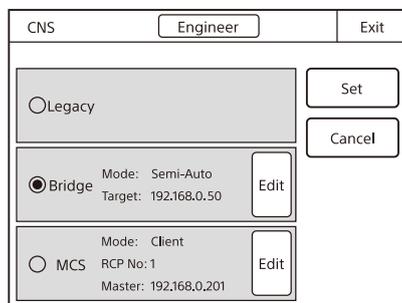
Setting up the RCP

1. Entering Engineer Mode



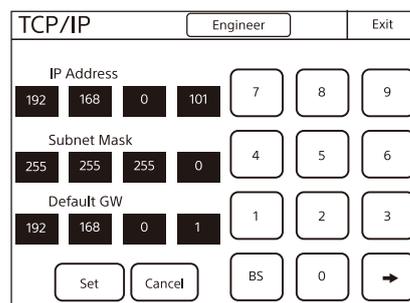
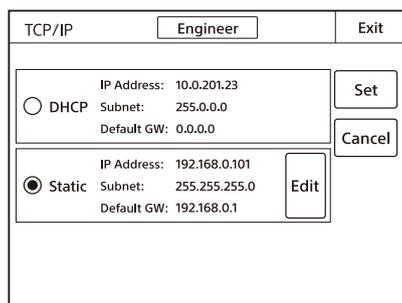
- Press Menu button, then press Config > RCP > Security.
- Press Engineer Mode to light the button.

2. Setting Bridge Mode



- Press Menu button, then press Config > Network > CNS.
- Press Edit in Bridge.
- Set the connection mode to Semi-Auto and set the target IP address.
- Check that the Bridge radio button is selected and press Set.

3. Setting TCP/IP



- Press Menu button, then press Config > Network > TCP/IP.
- Press Edit in Static.
- Set IP address, subnet mask, and default gateway of the unit.
- Check that the Static radio button is selected and press Set.

Available RCP Commands on BURANO

Item		BURANO Ver. 1.1 (*1)	BURANO Ver. 2.0 (*1)
Iris (*2)	Iris	✓	✓
	Auto Iris On/Off	✓	✓
Black	Master Black	✓	✓
	R Black	✓	✓
	B Black	✓	✓
White (*3)	R Gain	✓	✓
	B Gain	✓	✓
	Color Temp	✓	✓
	Color Temp Balance (Tint equivalent)	✓	✓
	ATW On/Off	✓	✓
	AWB	✓	✓
ND	ND control (1 Stop)	✓	✓
	ND control (Linear)		✓
Gain	Gain Step (*4)	✓	✓
Detail (*5)	Detail On/Off	✓	✓
	Level	✓	✓
	H/V Ratio	✓	✓
	Limit	✓	✓
	Crispening	✓	✓
Matrix	Multi Matrix On/Off	✓	✓
	Multi Matrix Area Indication (*6)	✓	✓
	Reset	✓	✓
	Axis	✓	✓
	Multi Matrix Hue	✓	✓
	Multi Matrix Saturation	✓	✓
Tally	R-Tally	✓	✓
	G-Tally	✓	✓
Call	Call	✓	✓

Notes:

- *1) This capability chart is for when the RCP-1501/3501 is connected. The available features and limitations vary depending on what RCP you use.
In Cine EI mode, only Iris, White (except ATW), ND, Tally and Call can be operated.
- *2) In E-mount lenses, iris control is possible. PL-mount lenses only support iris reading.
- *3) Currently selected memory setting values can be operated.
- *4) Gain Step in increments of 3 dB. Fixed to dB mode with RCP connected.
- *5) Adjustment values are rounded to the values that can be set on the camera body.
- *6) Paint/Look > Multi Matrix > Area Indication Control needs to be "Menu & RCP" on the BURANO side.

Control BURANO with Monitor & Control



Monitor & Control (M&C) is an application that connects to a single camera and is used for remote control of the camera and to display/control clips from the camera. You can also connect to up to four cameras using the multi-camera monitoring function (iPad only). This app can be used free of charge.

For information on how to connect BURANO with M&C and the available features, please refer to the M&C Help Guide.

Monitor & Control is available on App Store and Google Play:

 **Monitor & Control**



Control BURANO with Camera Remote Toolkit



Sony's Camera Remote Toolkit allows you to access and control Sony cameras remotely. There are two options within the toolkit: Camera Remote SDK and Camera Remote Command. BURANO only supports Camera Remote SDK.

Camera Remote SDK

Camera Remote SDK provides software developers a way for integrating Sony cameras in their solutions and applications. With this SDK developers will be able to create customized software applications to control Sony cameras remotely from a host PC and get the image data captured with Sony cameras. This SDK allows software developers to realize a number of functions, such as changing the camera settings, shutter release and live view monitoring in their software applications.

For more details, please refer the following web page:

<https://pro.sony/solutions/digital-imaging/sdk>

APPENDIX

Compatible RCP functions :

	Item	Sub-item	VENICE/VENICE 2	BURANO
Paint	Switch Status	Gamma	✓	–
		Black Gamma	✓	–
		Matrix	✓	–
		Knee	✓	–
		White Clip	✓	–
		Detail	✓	–
		Flare	✓	–
		Test Saw	✓	–
	Black	Master Black	✓	✓
		R Black	✓	✓
		B Black	✓	✓
	Flare	Setting	✓	–
		Master Flare	✓	–
		R Flare	✓	–
		G Flare	✓	–
		B Flare	✓	–
	Gamma	Setting	✓	–
		Gamma Category	✓	–
		Gamma Select	✓	–
	Black Gamma	Setting	✓	–
		Range	✓	–
		Master Black Gamma	✓	–
	Saturation	Setting	✓	–
		Level	✓	–
	Knee	Setting	✓	–
		Point	✓	–
		Slope	✓	–
	White Clip	Setting	✓	–
		Level	✓	–

Item		Sub-item	VENICE/VENICE 2	BURANO
Paint	Detail	Setting	✓	✓
		Level	✓	✓
		H/V Ratio	✓	✓
		Crispening	✓	✓
		Level Depend	✓	-
		Level Depend Level	✓	-
		Frequency	✓	-
		Knee Aperture	✓	-
		Knee Aperture level	✓	-
		Limit	✓	✓
		White Limit	✓	-
		Black Limit	✓	-
		Skin Detail	Setting	✓
	Skin Gate		✓	-
	Natural Skin Detail		✓	-
	Zoom Link		✓	-
	Channel Switch		✓	-
	CH1 Detail Setting		✓	-
	CH2 Detail Setting		✓	-
	CH3 Detail Setting		✓	-
	Matrix	Setting	-	-
		User Matrix	✓	-
		User Matrix R-G	✓	-
		User Matrix R-B	✓	-
		User Matrix G-R	✓	-
		User Matrix G-B	✓	-
		User Matrix B-R	✓	-
		User Matrix B-G	✓	-
	Multi Matrix	Setting	✓	✓
		Area Indication	✓	✓
		Reset	✓	✓
		Axis	✓	✓
		Hue	✓	✓
		Saturation	✓	✓

Item		Sub-item	VENICE/VENICE 2	BURANO
Technical	Test Signals	Color Bars ON/OFF	✓	-
		Test Saw	✓	-
Rec			✓	-
Play			✓	-
Stop			✓	-
F.Rev			✓	-
F.Fwd			✓	-
Rec Review			✓	-
Next			✓	-
Prev.			✓	-
White Mode	Preset On/Off		✓	-
Iris	Iris Level		✓	✓
	Close		✓	-
	Auto Iris On/Off		-	✓
Zoom	Remote		✓	-
	Speed		✓	-
	Tele-Wide		✓	-
	Zoom Value [%]		✓	-
	Focal Length [mm]		✓	-
Focus	Remote		✓	-
	Focus Position		✓	-
	Focus Value [%]		✓	-
	Focus Length [m]		✓	-
Call			✓	✓
Tally	R-Tally		-	✓
	G-Tally		-	✓

Notes for BURANO:

For more details, refer "Available RCP Commands on BURANO" (p.19).

Notes for VENICE 2:

This capability chart is for when the RCP-1501/3501 is connected. The available features and limitations vary depending on what RM/RCP you use.

For more details about VENICE 2, refer the user manual.

<https://pro.sony/products/digital-cinema-cameras/venice2>

Trademarks

- All system names and product names are registered trademarks or trademarks of their respective owners. Trademarked items are not indicated by ® or ™ symbols in this document.