

## Camerobot Camera Controller

### Requirements

- Robotic Camera System Interface Software Option
- Ethernet Cable

### Port Connections

Communications		
Camera Controller Ethernet	>	Local Area Network Ethernet

Video		
Switcher Input BNC	>	Camera Video Out BNC

### For More Information on...

- configuring switcher inputs, refer to the *Caprica User Guide*.

### Remote Device Port Configuration Settings

Use the following procedure to configure a remote device for a Camerobot Camera Controller on your Caprica Server:

1. Use the current version of **DashBoard** software to connect to your **Caprica Server**.
2. In the **DashBoard Tree View**, double-click the **Port Configuration** node of your Caprica Server.
3. In the **Port Configuration Summary** table, double-click a **REMOTE#** port in the **Port** column.
4. In the **Configure REMOTE#** panel, click **Robotic Cam**.
5. Click **Camerobot**.
6. Click **Network Settings**.
7. Use the following settings to configure the **Network Settings** for your Camerobot Camera Controller:
  - **Ethernet Role** — Client
  - **Remote IP Address** — IP address of your Camerobot Camera Controller
  - **Remote Port** — Port number that your Camerobot Camera Controller uses to communicate with other devices
  - **Local IP Address** — 0.0.0.0
  - **Local Port** — 0
  - **Protocol** — TCP

8. Click **Apply Changes** to save the device settings.
9. Click **Done** to close the Configure REMOTE# panel.

### For More Information on...

- configuring remote devices for OverDrive systems that contain a Caprica Server, refer to the *Caprica User Guide*.

### Input Configuration

A Camerobot Camera Controller can control up to four cameras. Use the following procedure to configure a switcher input for each camera connected to your Camerobot Camera Controller:

1. In the **DashBoard Tree View**, double-click the **Input Configuration** node of your Caprica Server.
2. In the **Input** column of the **Input Configuration Summary** table, double-click the switcher input to configure for a camera connected to your Camerobot Camera Controller.
3. In the **Configure Input #** panel, click **Select** for the **Input Type**.
4. Click **Camera** in the list of available input types.
5. Click **Camerobot** in the list of available cameras.
6. In **Device Settings**, click **Camera** to select the Camerobot Camera Controller **Input Number** to which the camera is connected.
7. Click **Apply Changes** to save the settings for the selected switcher input.
8. Repeat steps 2 to 7 for each camera connected to your Camerobot Camera Controller.
9. Click **Done** to close the **Configure Input #** panel.

### Device Setup

- The Camerobot Camera Controller does not support pan, tilt, zoom, or similar functionality. OverDrive can only use shot recalls and moves to control a cameras connected to a Camerobot Camera Controller.
- The Camerobot Camera Controller does not support a shot name list. Shot names must be manually entered through OverDrive, without name validation.

## Cut Shot Name Options

The Camerobot Camera Controller supports various shot name formats for cuts. Recalling a cut name places the camera at a set position.

### Presenter Format

The Presenter shot name format uses a combination of shot position and presenter name to form a shot name.

From OverDrive or the Recall Shot by Name custom control, use the following format to cut to a shot using the Presenter shot name format:

```
p,<position>,<name>
```

To cut to the shot of the Main anchor desk with Kevin the anchor sitting at the desk, use the following shot name:

```
p,Main,Kevin
```

### Cut by Position Format

The Camerobot Camera Controller Studio robot software organizes shots by page, referred to as a Matrix in the GUI. Each Matrix is divided into rows and columns of cells.

From OverDrive or a Recall Shot by Name custom control, use the following format to cut to a shot using the Cut by Position shot name format:

```
c,<row>,<column>
```

To cut to the first shot in a Matrix, use the following shot name:

```
c,0,0
```

### Cut by Matrix Caption Format

The Cut by Matrix Caption shot name format enables you to access shots contained in a Matrix other than the current Matrix. The Camerobot Camera Controller Studio robot software captions each Matrix and numbers each Matrix cell. The lower right corner of each Matrix cell contains the cell number for the shot.

From OverDrive or a Recall Shot by Name custom control, use the following format to cut to a shot using the Cut by Matrix Caption shot name format:

```
c,<matrix caption>,<shot number>
```

To cut to the shot in cell 7 of the Matrix "Sports", use the following shot name:

```
c,Sports,7
```

## Cut by Caption Name Format

The Cut by Caption Name shot name format enables you to access shots contained in a Matrix other than the current Matrix. The lower portion of each Matrix cell displays the name of the shot.

★ A shot must match the camera configured for the crosspoint.

From OverDrive or a Recall Shot by Name custom control, use the following format to cut to a shot using the Cut by Caption Name shot name format:

```
n,<caption name>
```

To cut to the shot named "Overtime\_winner", use the following shot name:

```
n,Overtime_winner
```

## Move Shot Name Options

Along with cuts, the Camerobot Camera Controller supports moves that send the camera on a predetermined path to an ending position. To use a move:

1. Place the camera at the starting position.  
In most instances the camera starting position is set by recalling a cut name.
2. Recall the move name to prepare the move.  
When you prepare a move, nothing obvious happens.
3. Run the Execute Move custom control or take the camera on air to preform the prepared move.

### Move by Position Format

Move shot names are similar to Cut shot names, just replace the "c" with an "m". Use the following format to recall a move using the Move by Position shot name format:

```
m,<row>,<column>
```

To prepare to the first shot in a Matrix, use the following shot name:

```
m,0,0
```

### Move by Matrix Caption Format

The Move by Matrix Caption shot name format enables you to prepare to shots contained in a Matrix other than the current Matrix. The Camerobot Camera Controller Studio robot software captions each Matrix and numbers each Matrix cell. The lower right corner of each Matrix cell contains the cell number for the shot.

Use the following format to recall a move using the Move by Matrix Caption shot name format:

```
m,<matrix caption>,<column>
```

To prepare to the shot in cell 7 of the Matrix “Sports”, use the following shot name:

```
m,Sports,7
```

## Move by Caption Name Format

The Move by Caption Name shot name format enables you to start a move when a transition fires or a custom control runs an Execute Move command. The lower portion of each Matrix cell displays the name of the shot.

- ★ The shot must match the camera configured for the crosspoint.

Use the following format to start a move using the Move by Caption Name shot name format:

```
v,<caption name>
```

To move to the shot named “Overtime\_winner”, use the following shot name:

```
v,Overtime_winner
```

## Prepare Move by Caption Name Format

The Prepare Move by Caption Name shot name format enables you to perform a shot recall to the start of the move, then start the move when a transition fires or a custom control runs an Execute Move command. The lower portion of each Matrix cell displays the name of the shot.

- ★ The shot must match the camera configured for the crosspoint.

Use the following format to prepare and then move using the Prepare Move by Caption Name shot name format:

```
r,<move name>
```

To prepare and then move to the shot named “Overtime\_winner”, use the following shot name:

```
r,Move_51-52
```

## Combine Cut and Move Commands

You can combine cut and move commands in a single shot name. To cut to the first shot on a page and then prepare to move to the next shot on the page, use the following shot name:

```
c,0,0,m,0,1
```

It is good practice to include a cut with a move to ensure that the camera is correctly positioned and ready to move when the shot goes on air.

## OverDrive Shots

The Camerobot Camera Controller uses the full show:shot:speed format in Overdrive shots.

## Show Parameter

Setting the Show parameter enables users to select different Matrix pages from the GUI. You can use the Show parameter instead of the Cut by Caption or Move by Caption formats to select a Matrix page.

You could use the following shot name to cut to the shot in row 1, col 3 of the Matrix “Sports”:

```
Sports:c,1,3
```

To change the “Sports” Matrix and recall the first shot in the Matrix, use one of the following shot names:

```
Sports:0,0
```

```
Sports:c,0,0
```

- ★ Shot names do not contain spaces.

To recall a Presenter format shot, use the following shot name:

```
:p,Main,Kevin
```

- ★ If you omit the initial Matrix name, you must still include a colon (:) at the beginning of the shot name.

## Speed Parameter

Speed is optional parameter that sets how fast to recall a camera for cuts or moves. Speed parameter speed values range from 1 (very slow) to 100 (fast). 100 is the default camera speed. When the Speed parameter to 0 or omit the parameter, the camera shot will recall at the previously set camera speed.

You could use the following shot name to cut to the shot in cell 7 of the Sports Matrix followed by a move to cell 8 of the Sports Matrix with a speed of 80:

```
:c,Sports,7,m,Sports,8:80
```

## Caprica Custom Controls

Caprica contains the following custom controls to use with the Camerobot Camera Controller:

- **Recall Shot Name** — enter the shot name to recall a shot. Cut is the default.
- **Prepare Shot Name** — enter the shot name to recall a shot. Prepare a move is the default.
- **Execute Move** — trigger a properly prepared move.

## Compatibility

Robotic Camera	Version
Camerobot Camera Controller	-

Automation	Version
OverDrive	15.6 or higher
Caprica Server	1.4a or higher

## Contacting Technical Support

Technical Support is staffed by a team of experienced specialists ready to assist you with any question or technical issue.

Ross Video has technical support specialists strategically located around the globe to ensure a prompt response to technical inquiries. Our primary technical support center is located in Ottawa, Ontario, Canada. In addition, we have offices in The United Kingdom (London), Australia (Sydney), and Singapore with satellite locations in New York City, The Netherlands, and China. As we expand our presence globally, we are constantly evaluating other key locations to have a local technical support specialist in order to better service our customers.

## North America

Our North America center located in Ottawa, Ontario, Canada and is open Monday to Friday 8:30 a.m. to 6:00 p.m. EST, with 24/7/365 on-call service after hours.

Our telephone number is: +1-613-686-1557

Toll free within North America: +1 833-859-0499

## EMEA

Our EMEA center is open Monday to Friday 8:30 a.m. to 5:00 p.m. GMT. After hours support is provided by our North America location.

Our telephone number is: +44 (0)1189502446

International toll free: +800 3540 3545

If the local support specialist is not available, your call will be transferred automatically to our North America center.

## Australia

Our Sydney, Australia office is located in Alexandria, NSW.

Our local support telephone number is: 1300 007 677

If the local support specialist is not available, your call will be transferred automatically to our North America center.

## Online

E-mail: [techsupport@rossvideo.com](mailto:techsupport@rossvideo.com)

Website: open a support request using the link <https://support.rossvideo.com/> to open a support request.

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