

## RM-IP500

### PTZ Camera Remote Controller



#### Overview

#### **Easy, ergonomic PTZ control of multiple remote cameras for live events production and contents creation**

This compact remote controller features a high-quality joystick that allows effortless one-handed pan, tilt and zoom adjustments of compatible Sony PTZ remote cameras. Zoom can also be controlled via the joystick or a supplementary seesaw lever; dedicated knobs and control buttons, simplifying direct access to frequently-needed camera functions.

The RM-IP500 simplifies the building of cost-effective multi-camera content creation systems with a wide range of applications - from live events to conference halls, broadcast studios, education institutes and houses of worship.

PTZ speed can be adjusted from slow to fast for more polished, professional-looking results. Up to 100\*<sup>1</sup> combinations of camera angles and settings can be stored as presets. Trace Memory\*<sup>1</sup> allows a sequence of camera moves to be stored and recalled whenever required.

Up to 100 compatible Sony BRC/SRG Series and ILME-FR7 PTZ remote cameras can be controlled over a standard IP network. Set-up's simple: the controller automatically assigns IP addresses

to connected Sony PTZ cameras on the network, also assigning a camera number to each.

Full compatibility is provided with these Sony PTZ remote camera models: SRG-A40<sup>\*5</sup>, SRG-A12<sup>\*5</sup>, BRC-X400<sup>\*3</sup>, ILME-FR7<sup>\*4</sup>, ILME-FR7K<sup>\*4</sup>, SRG-X40UH<sup>\*5</sup>, SRG-X400<sup>\*3</sup>, SRG-X120<sup>\*3</sup>, SRG-XP1<sup>\*5</sup>, SRG-XB25<sup>\*5</sup>, BRC-X401<sup>\*2,\*3</sup>, SRG-201M2<sup>\*2,\*3</sup>, SRG-HD1M2<sup>\*2,\*3</sup>, BRC-X1000, BRC-H900, BRC-H800, BRC-H780<sup>\*2</sup>, SRG-360SHE, SRG-280SHE<sup>\*2</sup>, SRG-300SE, SRG-300H, SRG-301H<sup>\*2</sup>, SRG-120DH, SRG-120DS, SRG-120DU, SRG-121DH<sup>\*2</sup>, SRG-HD1<sup>\*2</sup>.

The RM-IP500 is an ideal partner for the Sony MCX-500 Multi-Camera Live Producer, creating a complete IP streaming and SD recording solution for a wide range of content production applications.

The RM-IP500/1 is a US/Canada model which is bundled with the AC-UES1230MT AC power supply and cord. In all other regions, the AC power supply and cord are sold separately.

\*1 Depends on camera specification. Version up might be required.

\*2 China models.

\*3 Requires firmware V2.10 or later.

\*4 Requires firmware V2.20 or later.

\*5 Requires firmware V2.30 or later.

## Features

### **High-quality control of PTZ functions**

It's easy to achieve professional looking productions, with joystick adjustment of pan and tilt, plus zoom control either via joystick or a separate seesaw lever. Adjustable speed control of PTZ allows smooth, accurate camera movements.

### **Pair with ILME-FR7**

The RM-IP500 remote controller allows control of pan, tilt, zoom of the new ILME-FR7 full frame PTZ cinema line camera. It can also start and stop recording and set variable ND and focus area. The Panel Sheet for ILME-FR7 included in a carton allows optimum operating efficiency. Existing users can purchase a panel sheet as a service part and upgrade firmware to V2.20 or later to control ILME-FR7.

## **Control up to 100 BRC/SRG or ILME-FR7 cameras via IP**

The remote controller allows control of pan, tilt, zoom and other functions of up to 100 Sony BRC/SRG Series and ILME-FR7 PTZ cameras over an IP network. Multiple models can be controlled.

## **Simple set-up**

System set-up is quick and simple, with automatic IP address assignment of connected cameras and auto assignment of camera numbers. To change the group number, camera number, and IP address assigned to a camera or clear the camera registration auto assigned IP addresses manually from RM-IP500 without using PC will be also supported from Version 2.0.

## **Trace Memory \***

A sequence of camera moves can be stored for instant recall whenever required. Simple store trace memory function without using Camera Menu will be also available from Version 2.0 for BRC-X1000/BRC-H800 Version 2.0.

## **Store and recall camera presets**

Up to 100\*\* presets (camera angles and settings) can be stored recalled instantly via the numeric keypad, saving time in multiple camera set-ups.

## **Up to 5 controllers can operate on a single network**

Up to 5 RM-IP500 control panels can be used on a single

network, allowing shared control and simultaneous multi-operator control of large camera systems. In case both RM-IP500 and RM-IP10 are used on a single network, total number of units of RM-IP500 and RM-IP10 available to be controlled is up to 5.

## **Tally indicator**

Includes Normal Tally/On-Air Tally/Contact Modes.

## **Adjust camera paint functions**

Color related settings—including black levels, white balance, flicker cancel, detail level, knee point, auto exposure level, iris, gain and shutter speed—can be adjusted directly without needing to use the camera menus.

## **Additional ability to use VISCA control**

The RM-IP500 can also control up to seven<sup>\*\*\*</sup> compatible BRC or SRG Series cameras over a RS-422

## **Selectable ASSIGN items**

With the BRC/SRG series, backlight/flicker/status display/detail level/knee point/AE level/clear image zoom/Tele Converter/mode switch of Trace-Preset (mode1/mode2) /ND filter/Picture Profile settings can be assigned. (The available function depends on camera specification.)

With ILME-FR7, backlight/display/detail level/knee point/AE level/audio level/ND filter and recalling assignable functions in the camera can be assigned.

## **Notes**

\* Depends on camera specification. Upgrade may be required.

\*\* The maximum preset number depends on camera specification.

\*\*\* With SRG-360SHE, one camera can be controlled.

\*\*\*\* For ILME-FR7, the camera OSD is required to see the adjusted values.

## Specifications

### Input/output connectors

|                       |  |
|-----------------------|--|
| Control input/output  | <p>VISCA RS-422 OUT connector: RJ-45 x 1</p> <p>LAN : RJ-45 x 1, 10BASE-T/100BASE-TX automatically detected</p> <p>GPI I/O (Tally In/Contact Out): D-Sub 15-pin (female)</p> |
| Control signal format | <p>9,600 bps/38,400 bps (for RS-422 communication)</p> <p>VISCA over IP communication</p>  |
| Power Connector       | JEITA type 4 (DC IN 12V)   |

### General

|                        |  |
|------------------------|--|
| Input voltage          | 12V DC (10.8 to 13.2V DC)  |
| Current consumption    | 0.6A max. (All lamps lit), 7.2W (at 12V DC) / 0.2A typ.(2.4W)  |
| Operating temperature  | 0°C to 40 °C (32°F to 104°F)   |
| Storage temperature    | -20°C to 60 °C (-4°F to 140°F)   |
| Dimensions (W x H x D) | <p>306 mm x 159.3 mm x 224.1 mm</p> <p>(12 1/8 x 6 3/8 inches x 8 7/8 inches)</p> <p>(excluding protrusions)</p> |

|      |                              |
|------|------------------------------|
| Mass | Approx. 2,400g (5 lb 4.7 oz) |
|------|------------------------------|

## User Interface

|         |     |
|---------|-----|
| Display | Yes |
|---------|-----|

|               |   |
|---------------|---|
| Speed Control | Yes 3 dials (PT, Zoom and Focus separately) |
|---------------|---|

|                   |     |
|-------------------|-----|
| Zoom Seesaw Lever | Yes |
|-------------------|-----|

|                       |     |
|-----------------------|-----|
| Zoom Ring of Joystick | Yes |
|-----------------------|-----|

|                         |                                  |
|-------------------------|----------------------------------|
| Zoom Control selectable | Seesaw Lever or Ring of Joystick |
|-------------------------|----------------------------------|

|               |   |
|---------------|---|
| ASSIGN button | 6 |
|---------------|---|

|                      |     |
|----------------------|-----|
| Kensington lock hole | Yes |
|----------------------|-----|

## Camera Control

|                        |     |
|------------------------|-----|
| Maximum IP Connections | 100 |
|------------------------|-----|

|                            |   |
|----------------------------|---|
| Maximum Serial Connections | 7 |
|----------------------------|---|

|                  |                                       |
|------------------|---------------------------------------|
| Control Protocol | VISCA over IP/VISCA RS-422 switchable |
|------------------|---------------------------------------|

max Controller qty

(/system) 1 \*1

## Direct Function of Buttons/Knobs

Exposure mode selection Yes

One-push white balance auto adjustment Yes

One-push black balance auto adjustment Yes

Toggle color bars output on/off Yes

Toggle backlight compensation on/off Yes

Toggle flicker compensation on/off Yes

Display the status of iris,gain,shutter speed and zoom position Yes

R gain and B gain adjustment Yes

R black and B black

|                                 |     |
|---------------------------------|-----|
| Gamma and D-Black<br>adjustment | Yes |
| Master black<br>adjustment      | Yes |
| Detail level display            | Yes |
| Detail level<br>adjustment      | Yes |
| Knee point display              | Yes |
| Knee point<br>adjustment        | Yes |
| AE level display                | Yes |
| AE level adjustment             | Yes |
| Iris setting display            | Yes |
| Iris value adjustment           | Yes |
| Gain setting display            | Yes |
| Gain value adjustment           | Yes |
| Shutter speed display           | Yes |
| Shutter speed<br>adjustment     | Yes |



## Supplied Accessories

- \* Safety Regulations (1)
- Warranty (1) \*2
- Download Site Information (1)
- The Panel Sheet for ILME-FR7 (1) \*3

## Notes

\*2 Not included with models sold in China

Available functions/specifications depend on camera specification

\*3 Available from V2.20. Prior to this version, the panel sheet can be purchased separately.

## Related products



### **BRC-X1000**

Premium 4K30P PTZ Camera with 12x optical zoom and uncompromising broadcast picture quality



### **BRC-H800**

Premium Full HD PTZ Camera with 12x optical zoom and uncompromising broadcast picture quality



### **BRC-X400**

Premium 4K30P IP PTZ Camera with 30x (w/CIZ) zoom and NDI®|HX capability for use in a wide range of environments



### **SRG-X400**

Standard 4K30P IP PTZ Camera with 30x (w/CIZ) zoom and NDI®|HX capability for a wide range of applications



## SRG-X120

Standard 4K30P IP PTZ Camera with 12x optical zoom and NDI®|HX capability for a wide range of applications



## RM-IP10

IP remote control panel for BRC cameras



## SRG-300H/W

Full HD remotely operated PTZ camera



## SRG-300SE

Full HD remotely controlled PTZ color video camera with IP streaming (color availability may vary by country)



## SRG-360SHE

Full HD remote camera with triple streaming outputs and advanced PTZ functions



## SRG-120DU

Full HD remotely operated PTZ camera with USB 3.0 and USB 2.0



## SRG-120DH

Full HD remotely operated PTZ camera



## SRG-120DS

Full HD remotely operated PTZ camera



## MCX-500

Multi-Camera Live Producer

## Gallery

