

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 simplify 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*¹ combinations of camera angles and settings can be stored as presets. Trace Memory*¹ 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^{*5}, SRG-A12^{*5}, BRC-X400^{*3}, ILME-FR7^{*4}, ILME-FR7K^{*4}, SRG-X40UH^{*5}, SRG-X400^{*3}, SRG-X120^{*3}, SRG-XP1^{*5}, SRG-XB25^{*5}, BRC-X401^{*2,*3}, SRG-201M2^{*2,*3}, SRG-HD1M2^{*2,*3}, BRC-X1000, BRC-H900, BRC-H800, BRC-H780^{*2}, SRG-360SHE, SRG-280SHE^{*2}, SRG-300SE, SRG-300H, SRG-301H^{*2}, SRG-120DH, SRG-120DS, SRG-120DU, SRG-121DH^{*2}, SRG-HD1^{*2}.

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. The existent 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 Series and 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

Colour 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*** compatible BRC or SRG Series cameras over a RS-422

Selectable ASSIGN items

With BRC/SRG series, backlight/flicker/status display/detail level/knee point/AE level/clear image zoom/Tele Convertor/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. Version up might 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) |
|---------------|---------------------------|

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|---------------------|---------------------------------------------------------------|
| 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) |
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User Interface

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

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

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

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

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

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

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

Camera Control

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

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

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|------------------|---------------------------------------|
| 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 adjustment | Yes |
| Master black adjustment | Yes |
| Detail level display | Yes |
| Detail level adjustment | Yes |
| Knee point display | Yes |
| Knee point 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 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



ILME-FR7

Cinema Line Full-frame PTZ Interchangeable Lens camera with 15+ stop dynamic range, 4K (QFHD) high-frame-rate 120fps, Fast Hybrid & Real-time Eye AF, and S-Cinetone™ colour science



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

Full HD remotely operated PTZ camera



SRG-300SE

Full HD remotely controlled PTZ colour video camera with IP streaming (colour 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



MCX-500

Multi-Camera Live Producer

Gallery

