SONY

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.

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.

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, acurate 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	VISCA RS-422 OUT connector: RJ-45 x 1 LAN : RJ-45 x 1, 10BASE-T/100BASE-TX automatically detected GPI I/O (Tally In/Contact Out): D-Sub 15-pin (female)

Input/output connectors

Control signal format	9,600 bps/38,400 bps (for RS-422 communication) VISCA over IP communication
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)	306 mm x 159.3 mm x 224.1 mm (12 1/8 x 6 3/8 inches x 8 7/8 inches) (excluding protrusions)
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

Direct Function of Buttons/Knobs	
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 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

Notes	
	Available functions/specifications depend on camera specification
*3	Available from V2.20. Prior to this version, the panel sheet can be purchased separately.

Information on EU Data Act: Click here to check if your Sony product and/or related service is subject to the EU Data Act.

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



SRG-120DH

Full HD remotely operated PTZ camera



SRG-120DS

Full HD remotely operated PTZ camera



MCX-500

Multi-Camera Live Producer

Gallery















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