

The JVC logo is displayed in white, bold, sans-serif capital letters on a solid red rectangular background.

Configuration Guide

HD PTZ Remote Camera

KY-PZ100

Remote Camera Controller

RM-LP100



Contents of This Manual

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Precautions

- The default password is widely known. It is very dangerous to use the password without changing it. Set a password that is not easily guessed. It is also recommended to change the password regularly.

Legends

H : Input (HDMI)

H : Output (HDMI)

S : Input (SDI)

S : Output (SDI)

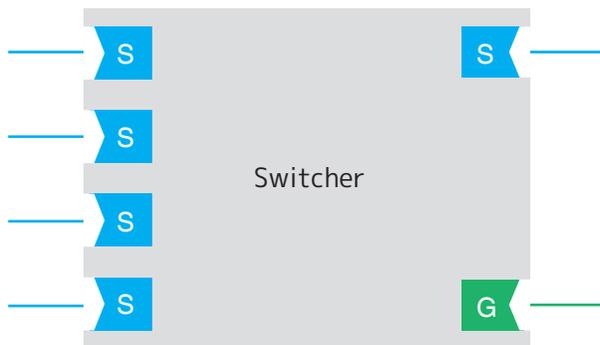
A : Input (Audio)

A : Output (Audio)

G : GPI (Tally)

G : GPO (Tally)

Eg. 4 In/1 Out SDI switcher; tally output available



Please check the specifications of each device for the supported video format of the switcher.

Supported Controllers for KY-PZ100

Manufacturer	Model	Connection			Remarks
		System	Topology	Protocol	
JVC	RM-LP100	LAN (RJ45)	Network	JVC Web API	
BR Remote	MJC2	RS-485	Star	D star	Conversion connector required
	MFC2	RS-485	Star	D star	Conversion connector required
SONY	RM-IP10	RS-232C (8-pin mini DIN)	Daisy chain	Standard	
		RS-422	Peer-to-peer	Standard	Only one camera can be controlled
	RM-BR300	RS-232C (8-pin mini DIN)	Daisy chain	Standard	
		RS-422	Peer-to-peer	Standard	Only one camera can be controlled

Supported USB Adapters for KY-PZ100 (Wireless LAN)

Region	Manufacturer	Product Name
North America	NETGEAR	WNA1000M-100ENS
North America	D-Link	DWA-121
North America	TRENDnet	TEW-648UBM
North America	Rosewill	RNX-MiniN1
North America	EDIMAX	EW-7811Un
North America	Hawking Technology	HD65U
China	MERCURY	MW300U
China	netcore	NW362
Japan	PLANEX	GW-USEco300
Japan	IO DATA	WN-G150UM
Japan	PLANEX	GW-USValue-EZ
Japan	PLANEX	GW-USNano2-M
Japan	PLANEX	GW-USWExtreme
Japan	BUFFALO	WI-U3-866D
Japan	BUFFALO	WI-U2-433DM
Japan	IO DATA	WN-AC867U
Japan	IO DATA	WN-AC433UA
Japan	ELECOM	WDC-867U3
Japan	ELECOM	WDC-433DU2HBK
Europe	TP-Link	TL-WN823N
Europe	Digitus	DN-70542
Europe	Sitecom	WLA-1001
Europe	EnGenius	EUB1200AC
Europe	ASUS	USB-AC56
Europe	D-Link	DWA-172 (rev A1)
Europe	EDIMAX	EW-7811UTC
Europe	TP-Link	TL-WN821N (v4)
Europe	D-Link	DWA-171 (rev A1)
Europe	NETGEAR	A6100
Europe	TP-Link	Archer T4U
Europe	Linksys	WUSB6300

Supported USB Adapters for KY-PZ100 (Wired LAN)

Region	Manufacturer	Product Name
North America	CISCO/Linksys	USB300M
Japan	BUFFALO	LUA3-U2-ATX
Japan	BUFFALO	LUA3-U2-AGT
Japan	PLANEX	UE-100TX-G3
Japan	PLANEX	UE-1000T-G2
Japan	IO DATA	ETX3-US2
Japan	ELECOM	LAN-TXU2C
Japan	PLANEX	UE-1000T-U3
Japan	Logitec	LAN-GTJU3
Japan	BUFFALO	LUA4-U3-AGT (E2)
Europe	EDIMAX	EU-4208
Europe	Sitecom	LN-030 V2
Europe	Hamlet	HNU2GTX
Europe	D-Link	DUB-E100 (rev C1)

Supported USB Adapters for KY-PZ100 (Cellular 1/2)

Region	Manufacturer	Product Name
United States	Verizon	UML290
United States	Verizon	UML295
United States	Verizon	U620L
United States	AT&T	313U
Canada	Rogers	330U
Belgium	Vodafone	K5150
Czech Republic	O2	E3276
Croatia	TELE2	HUAWEI Mobile Connect E180
Croatia	T-Mobile	Speedstick LTE E398u-1
France	Orange	Domino E5331
France	Orange	E3276
France	Bouygues	E392
Germany	T-Mobile	web'n'walk Stick Fusion III E352s-5
Germany	T-Mobile	Speedstick LTE (WS3140) E398u-15
Germany	Vodafone	K5005
Ghana	Vodafone	E261
Greece	COSMOTE	X221L
Hungary	telenor	E3276
Italy	TIM	Chiavetta Internet MT8205
Latvia	LMT	E392u-12
Latvia	LMT	E230
Netherlands	kpn	905 E367u-1
Romania	Orange	E392u-12

Supported USB Adapters for KY-PZ100 (Cellular 2/2)

Country	Carrier	Product Name
Russia	MegaFon	E3272
Serbia	telenor	MODEM 7.2 E303
Serbia	mt:s	E173s-1
Serbia	vip	Easy Net 21.6 MF667
Slovenia	mobi	MF60
Switzerland	swisscom	E398u-15
Thailand	truemove	MAX SURF 100Mbps MF823
Turkey	Vodafone	K3773
Turkey	Vodafone	E351
Turkey	Turkcell	E176G
United Kingdom	Three	E3231
United Kingdom	O2	E173u-2
United Kingdom	EE	E392u-12
Japan	NEC	Aterm WM3500R
Japan	NEC	Aterm WM3800R
Japan	Y!mobile	D26HW
Japan	Y!mobile	GL03D
Japan	NTT DoCoMo	L-02C
Japan	NTT DoCoMo	L-03D
Japan	NTT DoCoMo	L-02F
Japan	NTT DoCoMo	L-03F
Japan	au	HWD12
Japan	au	HWD32
Japan	FUJISOFT	FS020U
China	China Unicom	E353s
China	China Telecom	MF825C
China	China Mobile	9600UFI
India	(none)	HiLink E303C
Korea	KT olleh	CLU-1000KK
Korea	SK telecom	LG-SD711

Manual/Setting Tools for KY-PZ100 and RM-LP100

Detailed information such as installation and operation have been released as follows.

North America:

<http://pro.jvc.com/prof/main.jsp>

Europe:

<http://www.service.jvcpro.eu/public/>

China:

<http://www.jvc.com.cn/service/download/index.html>

Japan:

<http://www3.jvckenwood.com/pro/video/hdmemory.html>



Advantages of Using KY-PZ100

- Support 3G-SDI
- Support wireless LAN or cellular adapters using USB host terminal
- High noise immunity through the use of balanced microphone
- Silent operation through the use of direct drive
- Preset position operation at high accuracy
- Ability to control the position correctly even when the camera direction has been accidentally changed

Advantages of Using RM-LP100

- High affinity with KY-PZ100
- User-friendly UI with touch panel
- Shape designed for easy installation in EIA rack
- Automatic IP address configuration



Direct Live Streaming from Camera

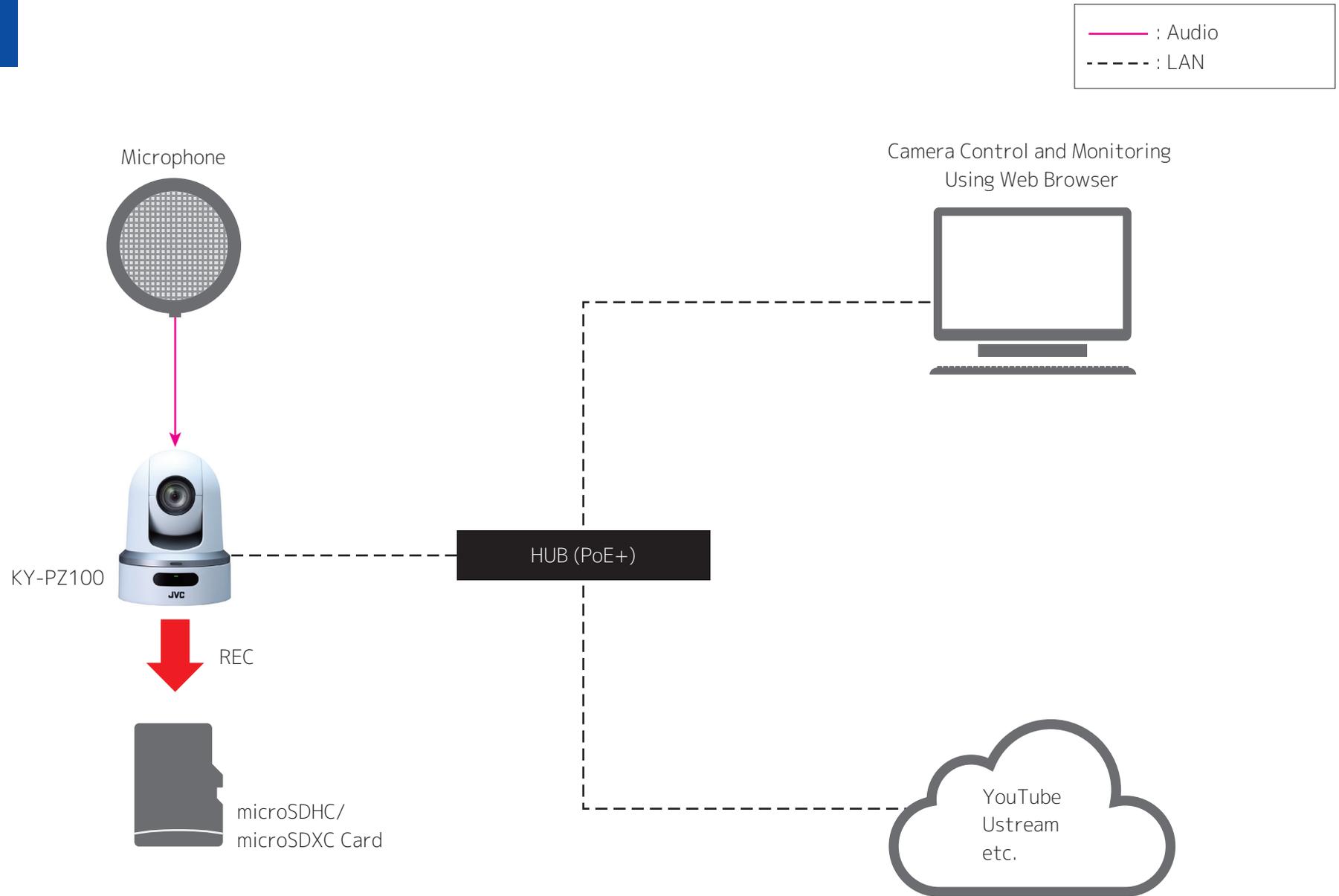
~ Controlling and Monitoring Using Web Browser ~

With various streaming protocols implemented in the camera, an external streaming device is not required.
The camera can stream directly to live streaming services.
Recordings can be made to the microSDHC/microSDXC card in the camera.
A microphone can also be connected to the camera. (Plug-in power support.)

Lag may occur depending on the network environment.

Model No.	Description	Quantity
KY-PZ100	HD PTZ Remote Camera	1
	Microphone	1
	microSDXC Card	1
	HUB (PoE+)	1
	PC	1
	LAN Cable (Category 5e)	3

Diagram: Connection Example



Direct Live Streaming from Camera

~ Controlling and Monitoring Using Web API ~

With various streaming protocols implemented in the camera, an external streaming device is not required.

The camera can stream directly to live streaming services.

Recordings can be made to the microSDHC/microSDXC card in the camera.

A microphone can also be connected to the camera. (Plug-in power support.)

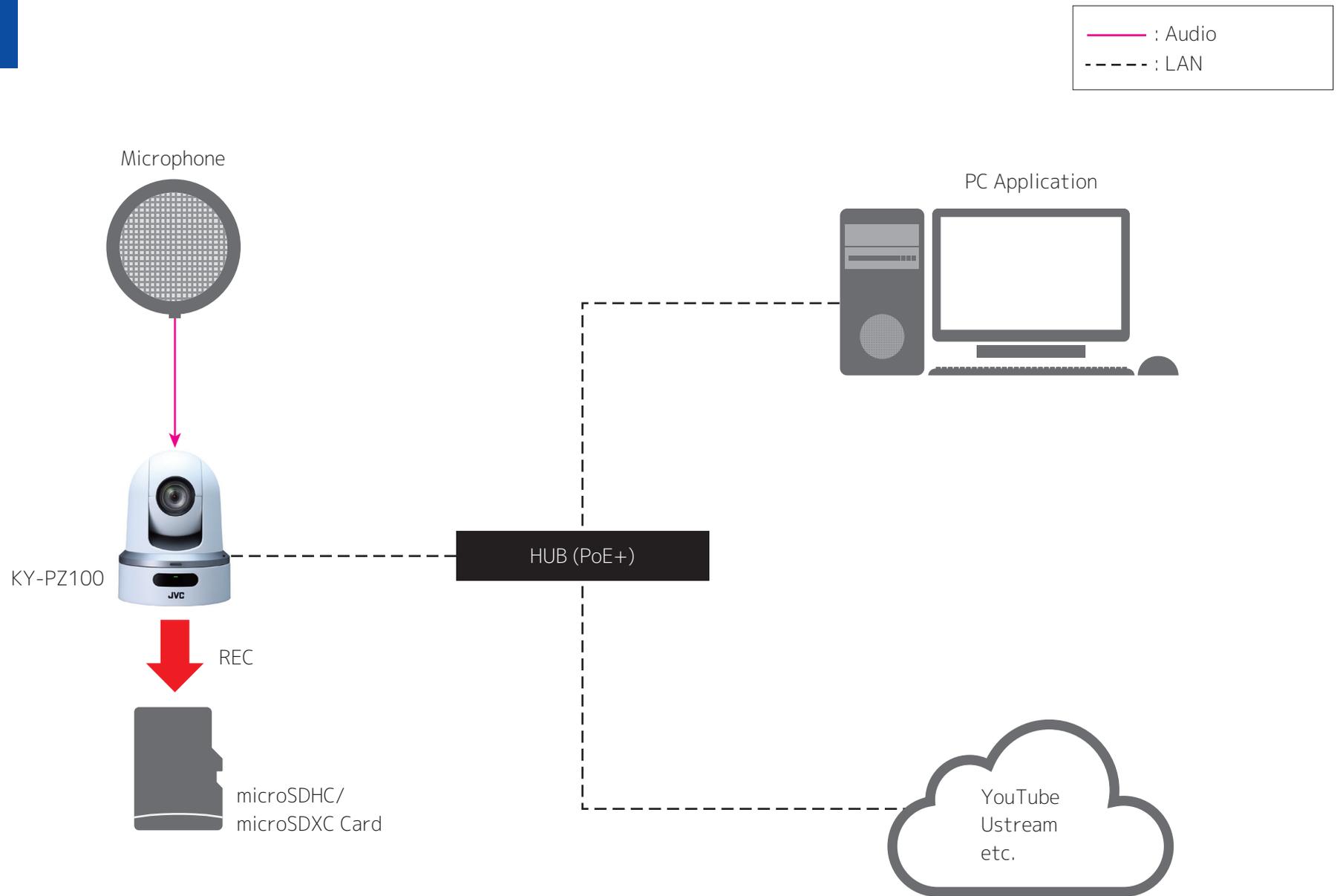
The camera can be controlled via JVC Web API so you can develop your own PC application to control the camera.

Lag may occur depending on the network environment.

For the Web API specifications, please contact the local dealers in your area.

Model No.	Description	Quantity
KY-PZ100	HD PTZ Remote Camera	1
	Microphone	1
	microSDXC Card	1
	HUB (PoE+)	1
	PC	1
	LAN Cable (Category 5e)	3

Diagram: Connection Example



Direct Live Streaming from Camera ~ Cellular Adapter (1) ~

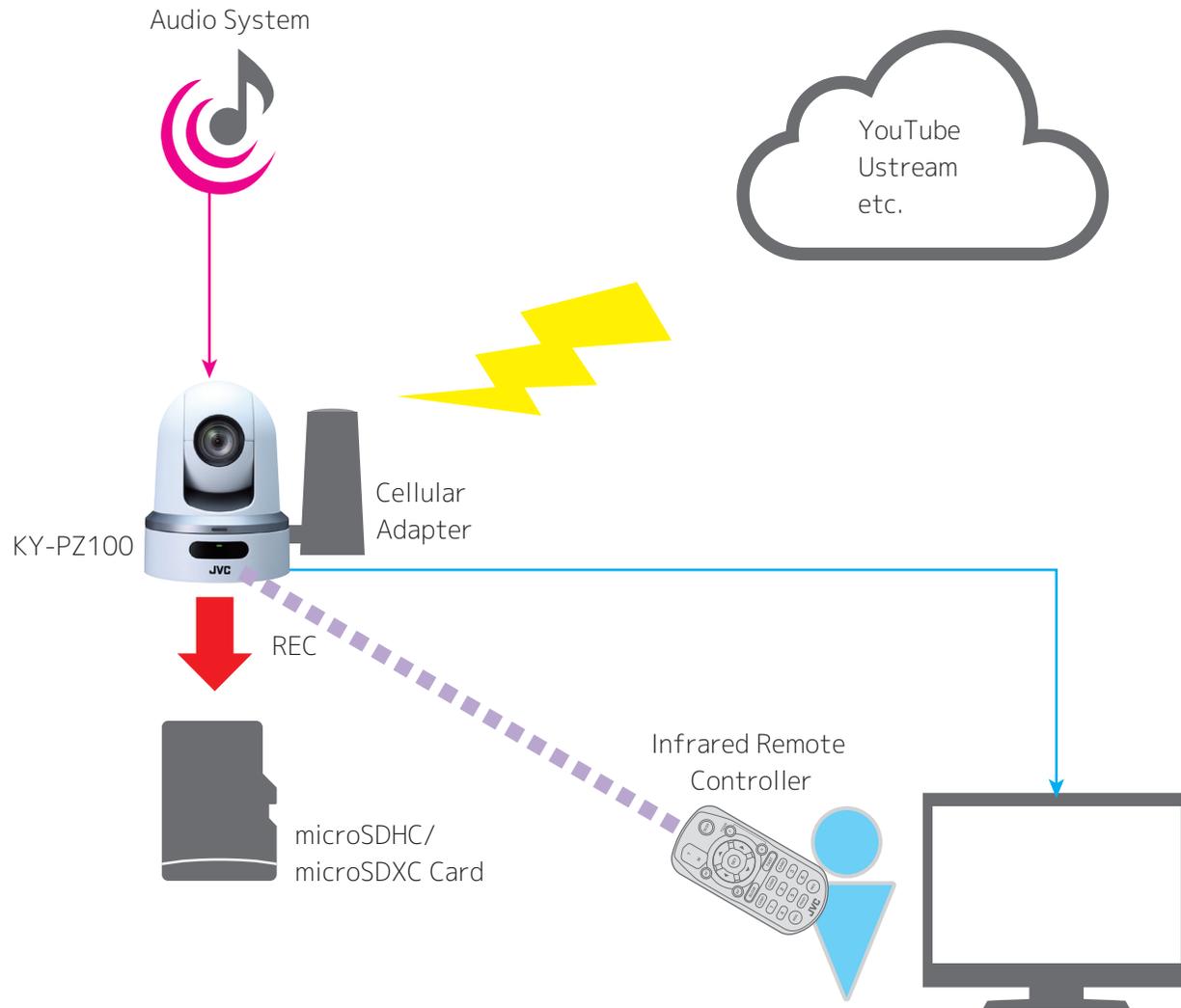
With various streaming protocols implemented in the camera, an external streaming device is not required.
By connecting a USB cellular adapter, the camera can stream directly to live streaming services.
Recordings can be made to the microSDHC/microSDXC card in the camera.
A microphone (plug-in power support) can be connected to the camera, and other audio signals can be input to the camera.
It is also possible to control the camera using the supplied infrared remote controller.

Lag may occur depending on the network environment.

Model No.	Description	Quantity
KY-PZ100	HD PTZ Remote Camera	1
	microSDXC Card	1
	USB Cellular Adapter	1
	Audio System	1
DT-V24G2 *	Multi-Format LCD Monitor	1
	SDI Cable	1
	Audio Cable	1

*Selectable

Diagram: Connection Example



Direct Live Streaming from Camera ~ Cellular Adapter (2) ~

With various streaming protocols implemented in the camera, an external streaming device is not required.

By connecting a USB cellular adapter, the camera can stream directly to live streaming services.

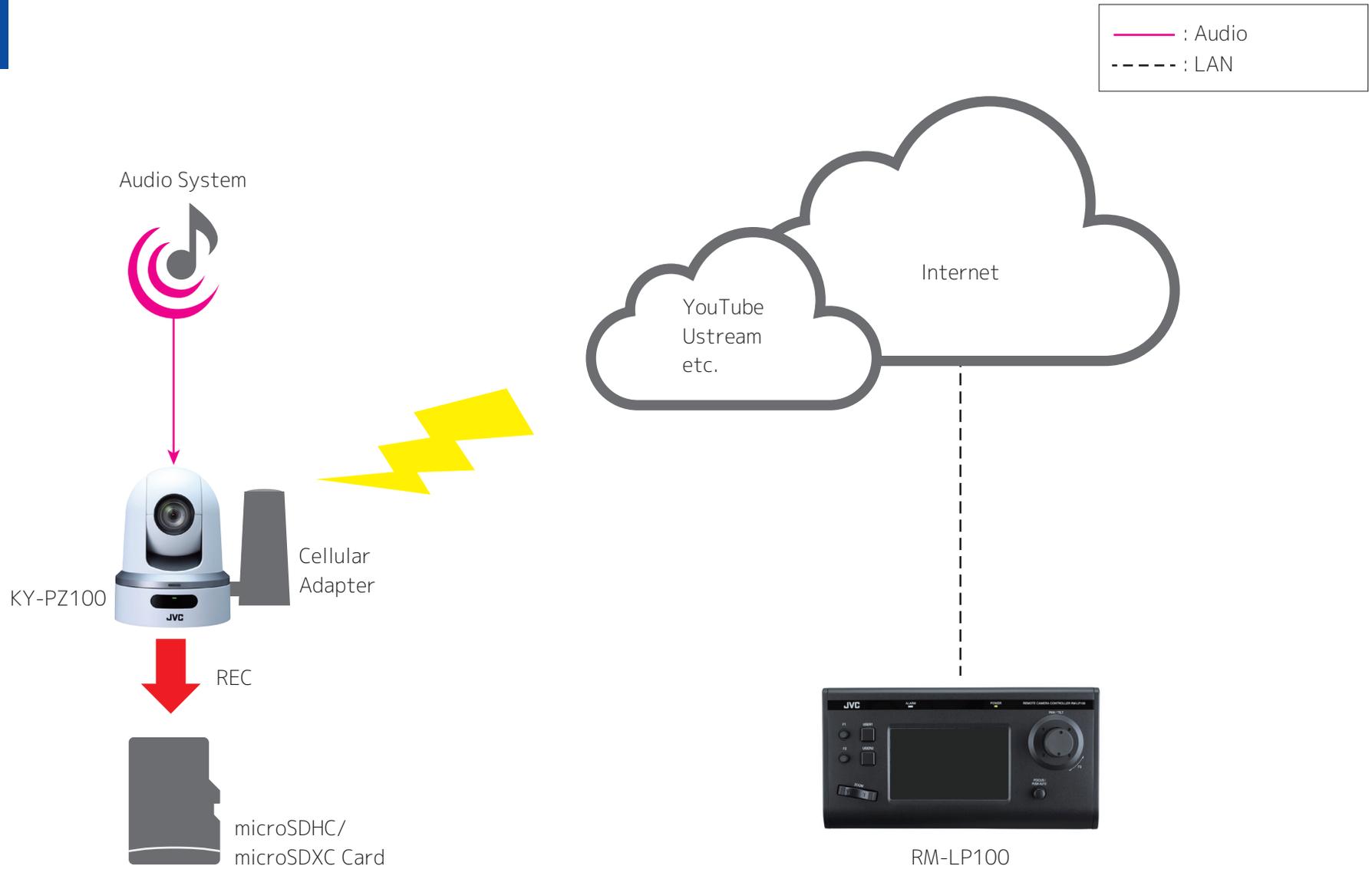
It is possible to control the camera remotely through cellular communication. A microphone (plug-in power support) can be connected to the camera, and other audio signals can be input to the camera.

Lag may occur depending on the network environment.

If controlling the camera through cellular communication, it is necessary to assign a global IP address to the cellular adapter. In that case, signing up for a static IP address with a cellular carrier may be required.

Model No.	Description	Quantity
KY-PZ100	HD PTZ Remote Camera	1
RM-LP100	Remote Camera Controller	1
	microSDXC Card	1
	USB Cellular Adapter	1
	Audio System	1
	LAN Cable (Category 5e)	1

Diagram: Connection Example



Direct Live Streaming from Camera ~ Wireless LAN Adapter ~

With various streaming protocols implemented in the camera, an external streaming device is not required.

The camera supports wireless LAN connection and expands installation flexibility.

The camera can stream directly to live streaming services.

Recordings can be made to the microSDHC/microSDXC card in the camera.

A microphone (plug-in power support) can be connected to the camera, and other audio signals can be input to the camera.

In addition to controlling the camera using a Web browser, operability is improved by using the remote camera controller (RM-LP100).

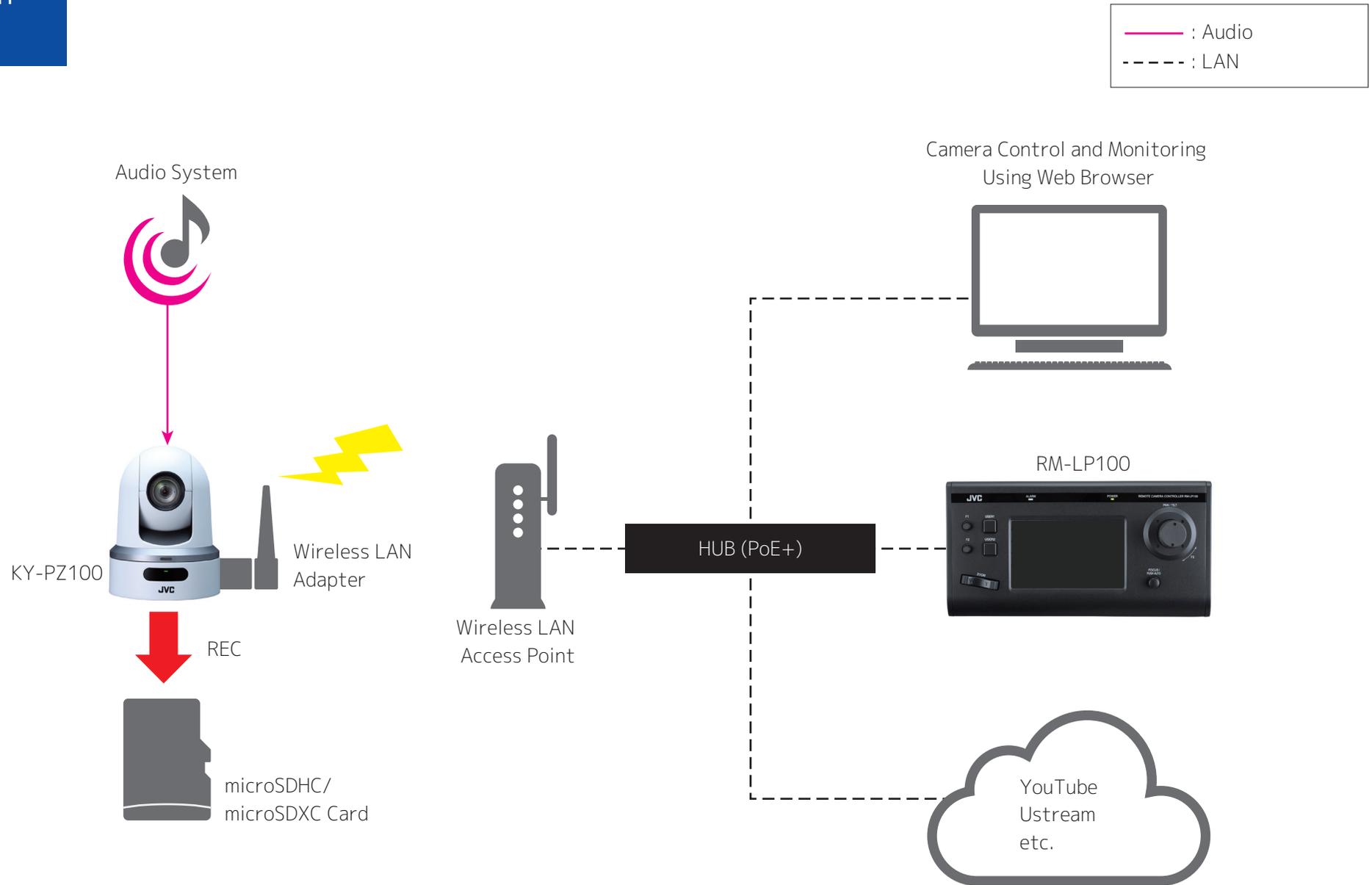
Lag may occur depending on the network environment.

Depending on the connected device and the network environment, the video and audio during streaming may be unstable.

In such cases, reduce the bite rate setting. For details on the settable bit rate, refer to the "Combinations of Record Format and Live Streaming Set that Support Transmission" section under "Performing Live Streaming" in the instruction manual.

Model No.	Description	Quantity
KY-PZ100	HD PTZ Remote Camera	1
RM-LP100	Remote Camera Controller	1
	microSDXC Card	1
	Audio System	1
	Wireless LAN Adapter	1
	Wireless LAN Access Point	1
	HUB (PoE+)	1
	PC	1
	LAN Cable (Category 5e)	4
	Audio Cable	1

Diagram: Connection Example



Direct Live Streaming from Camera

~ Controlling by RM-LP100 and Monitoring Using Web Browser ~

With various streaming protocols implemented in the camera, an external streaming device is not required.

The camera can stream directly to live streaming services.

Recordings can be made to the microSDHC/microSDXC card in the camera.

A microphone (plug-in power support) can be connected to the camera, and other audio signals can be input to the camera.

In addition to controlling the camera using a Web browser, operability is improved by using the remote camera controller (RM-LP100).

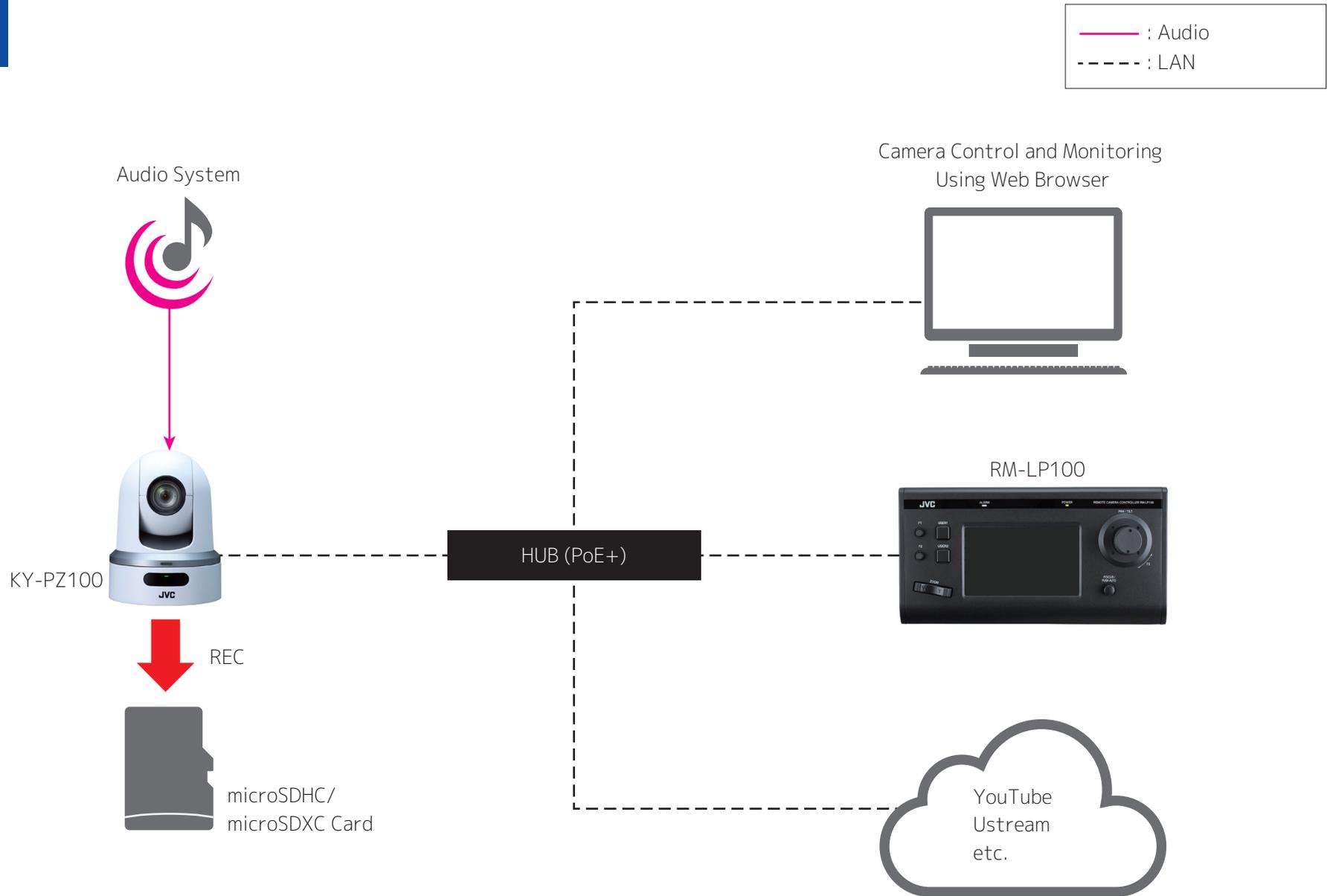
Lag may occur depending on the network environment.

Depending on the connected device and the network environment, the video and audio during streaming may be unstable.

In such cases, reduce the bite rate setting. For details on the settable bit rate, refer to the "Combinations of Record Format and Live Streaming Set that Support Transmission" section under "Performing Live Streaming" in the instruction manual.

Model No.	Description	Quantity
KY-PZ100	HD PTZ Remote Camera	1
RM-LP100	Remote Camera Controller	1
	microSDXC Card	1
	Audio System	1
	HUB (PoE+)	1
	PC	1
	LAN Cable (Category 5e)	4

Diagram: Connection Example



Controlling by RM-LP100 and Monitoring with Dedicated Decoder

~ Basic ~

With various streaming protocols implemented in the camera, an external streaming device is not required.

Monitoring can also be checked with a dedicated decoder via LAN.

Recordings can be made to the microSDHC/microSDXC card in the camera.

A microphone (plug-in power support) can be connected to the camera, and other audio signals can be input to the camera.

For system in which PC is not used, control the camera with the remote camera controller (RM-LP100).

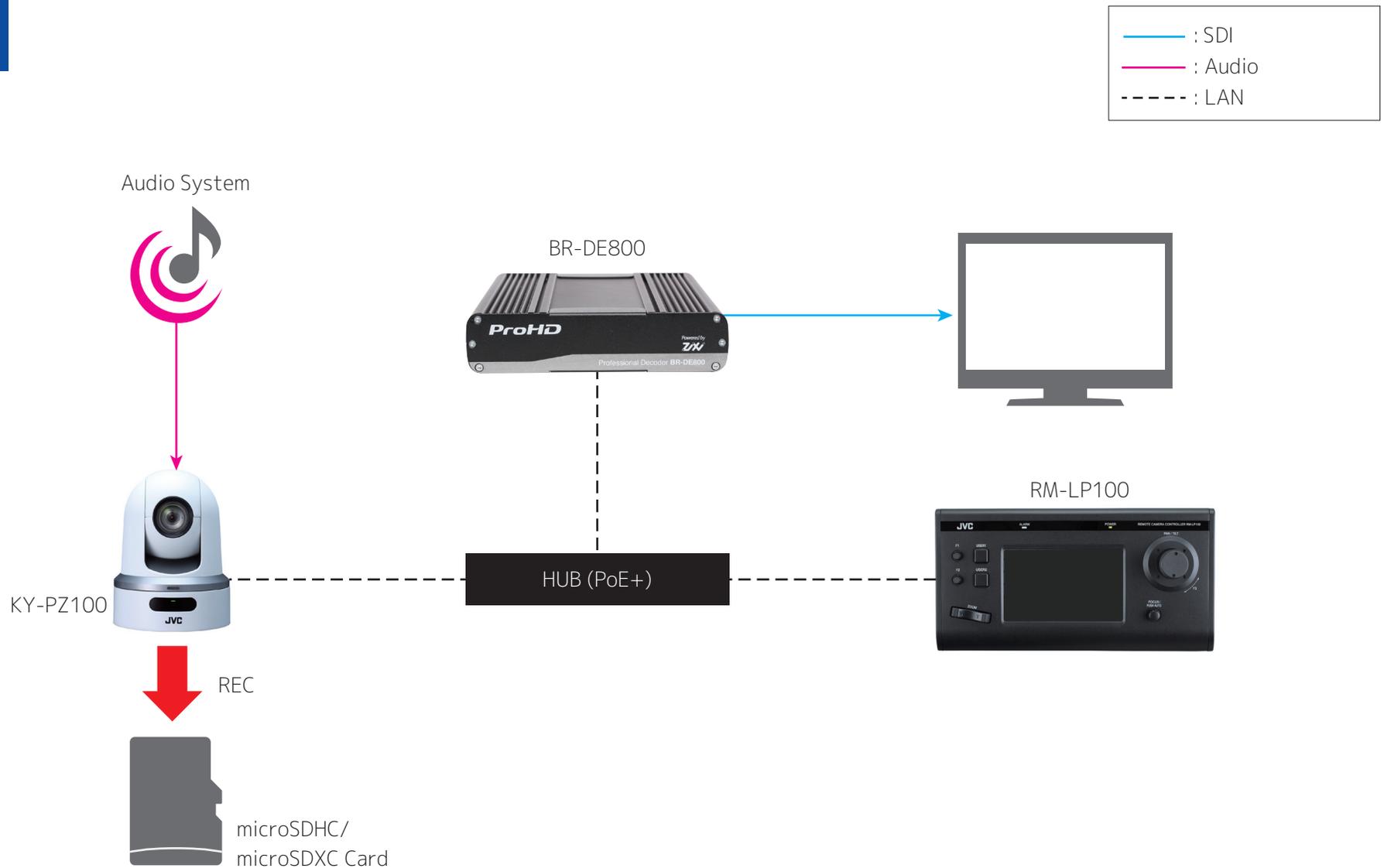
Lag may occur depending on the network environment.

BR-DE800 is available in North America only.

Model No.	Description	Quantity
KY-PZ100	HD PTZ Remote Camera	1
RM-LP100	Remote Camera Controller	1
	microSDXC Card	1
	Audio System	1
	HUB (PoE+)	1
BR-DE800	Network Decoder	1
DT-V24G2 *	Multi-Format LCD Monitor	1
	LAN Cable (Category 5e)	3
	Audio Cable	1
	SDI Cable	1

*Selectable

Diagram: Connection Example



Controlling by RM-LP100 and Monitoring with Dedicated Decoder ~ Controlling from Multiple Points ~

With various streaming protocols implemented in the camera, an external streaming device is not required.

Monitoring can also be checked with a dedicated decoder via LAN.

Recordings can be made to the microSDHC/microSDXC card in the camera.

A microphone (plug-in power support) can be connected to the camera, and other audio signals can be input to the camera.

For system in which PC is not used, control the camera with the remote camera controller (RM-LP100).

The camera can be controlled from different locations with up to 5 units of RM-LP100.

KY-PZ100 supports UDP multicast distribution that enables multipoint distribution.

Lag may occur depending on the network environment.

BR-DE800 is available in North America only.

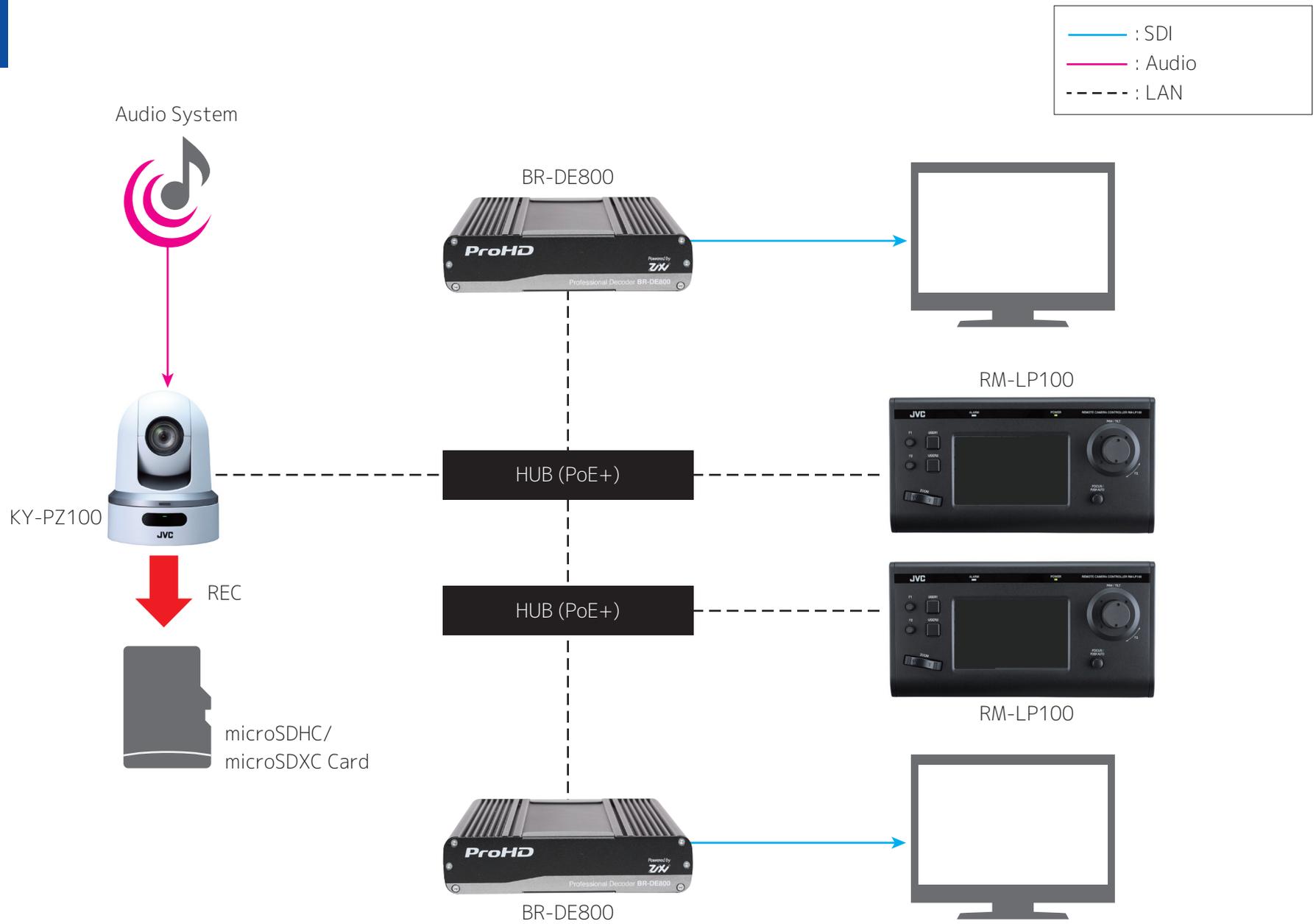
Depending on the connected device and the network environment, the video and audio during streaming may be unstable.

In such cases, reduce the bite rate setting. For details on the settable bit rate, refer to the "Combinations of Record Format and Live Streaming Set that Support Transmission" section under "Performing Live Streaming" in the instruction manual.

Model No.	Description	Quantity
KY-PZ100	HD PTZ Remote Camera	1
RM-LP100	Remote Camera Controller	2
	microSDXC Card	1
	Audio System	1
	HUB (PoE+)	2
	Network Decoder	2
BR-DE800	Network Decoder	2
DT-V24G2 *	Multi-Format LCD Monitor	2
	LAN Cable (Category 5e)	6
	Audio Cable	1
	SDI Cable	2

*Selectable

Diagram: Connection Example



Single Camera Connection Using SDI

With various streaming protocols implemented in the camera, an external streaming device is not required.

The camera can stream directly to live streaming services.

SDI connection is possible for environment where monitor latency is not acceptable.

Recordings can be made to the microSDHC/microSDXC card in the camera.

A microphone can also be connected to the camera. (Plug-in power support.)

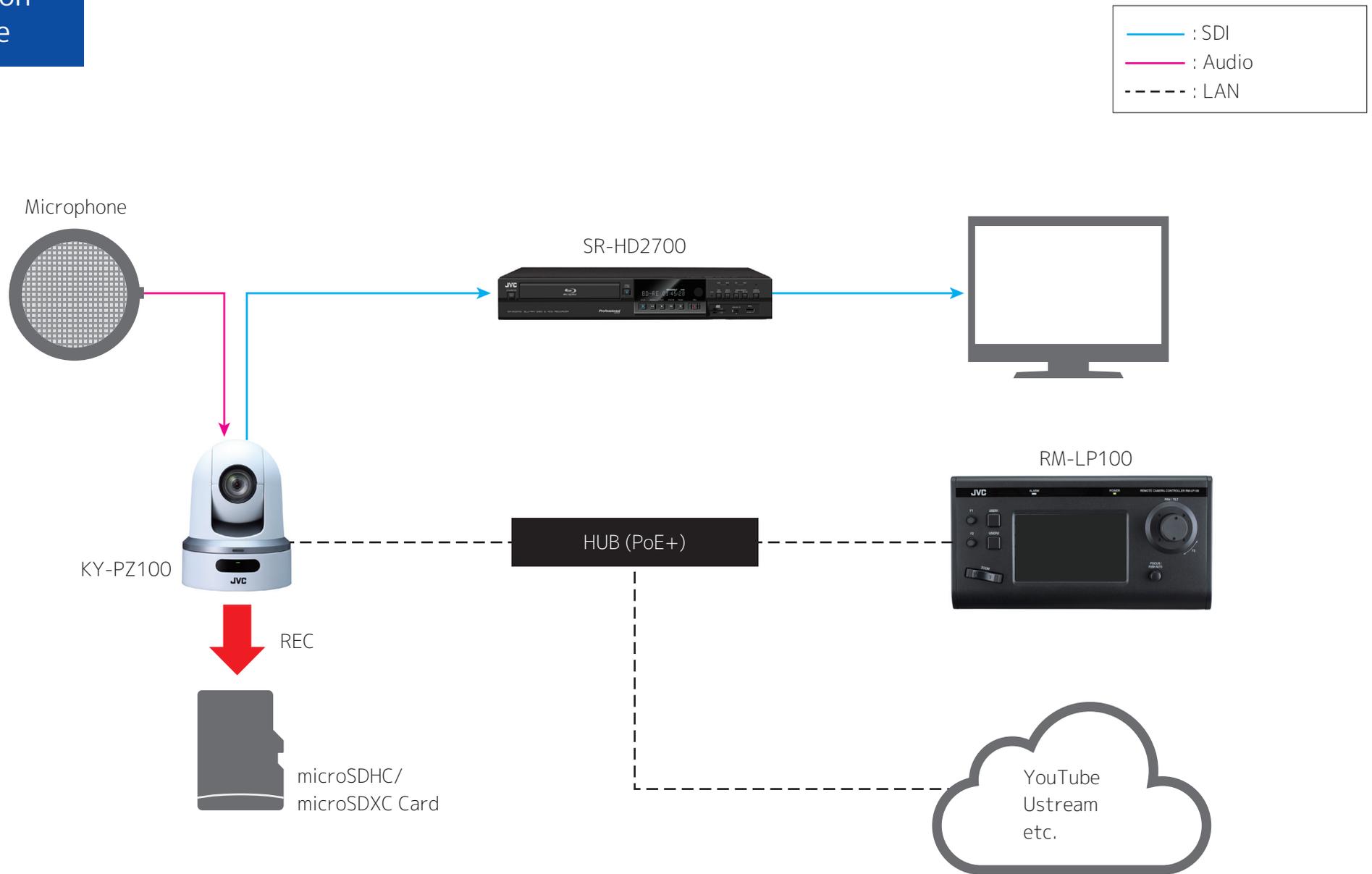
For system in which PC is not used, control the camera with the remote camera controller (RM-LP100).

Lag may occur depending on the network environment.

Model No.	Description	Quantity
KY-PZ100	HD PTZ Remote Camera	1
RM-LP100	Remote Camera Controller	1
DT-V24G2 *	Multi-Format LCD Monitor	1
SR-HD2700	Blu-Ray Disc & HDD Recorder	1
	microSDXC Card	1
	HUB (PoE+)	1
	Microphone	1
	SDI Cable	2
	LAN Cable (Category 5e)	3

*Selectable

Diagram: Connection Example



Multi-Camera Connection Using SDI (1)

This is a simple setup to remotely control the PTZ cameras.

SDI output with no video drift between cameras is recommended in this multi-camera setup.

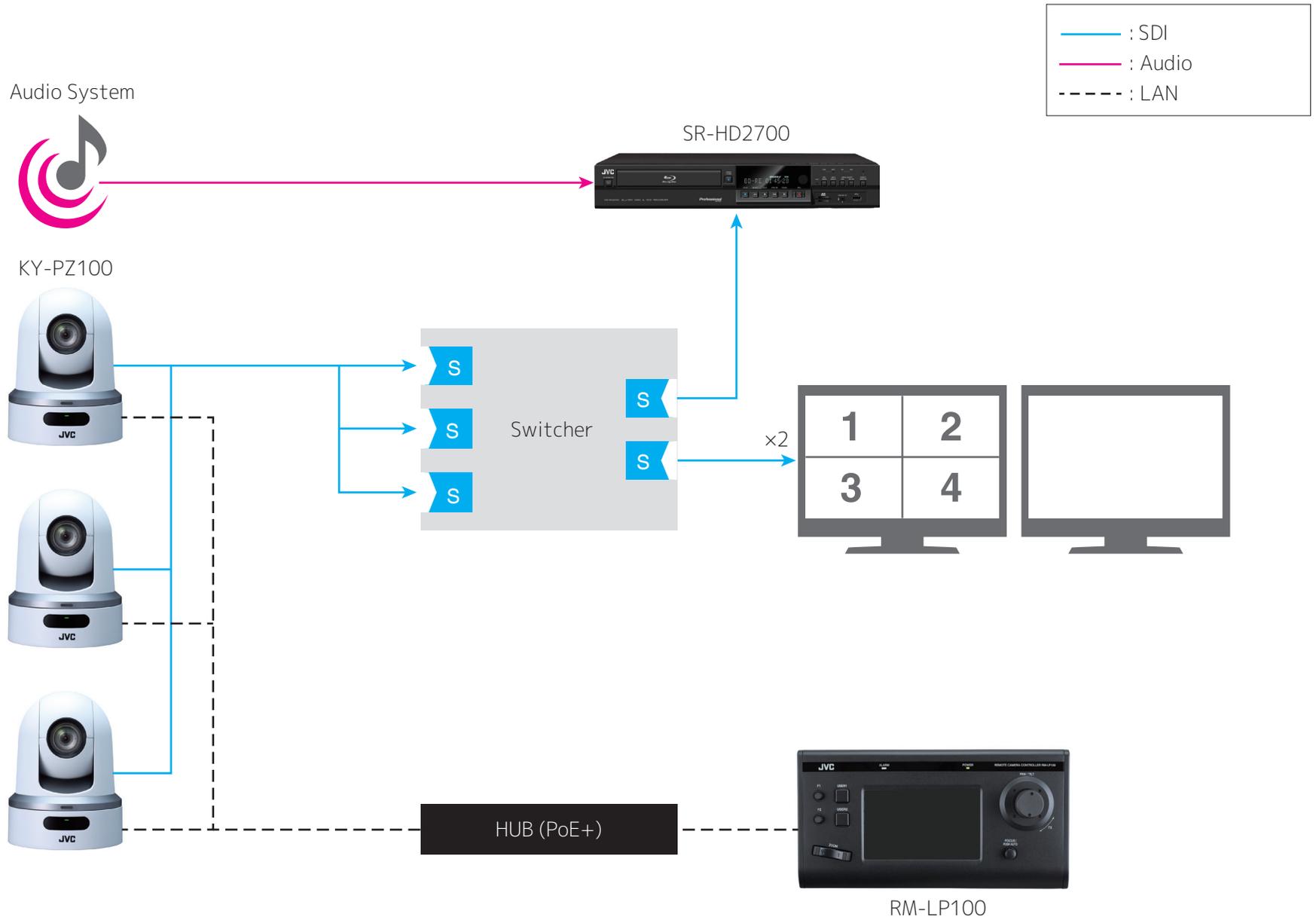
For system in which PC is not used, control the camera with the remote camera controller (RM-LP100).

Lag may occur depending on the network environment.

Model No.	Description	Quantity
KY-PZ100	HD PTZ Remote Camera	3
RM-LP100	Remote Camera Controller	1
DT-V24G2 *	Multi-Format LCD Monitor	2
SR-HD2700	Blu-Ray Disc & HDD Recorder	1
	HUB (PoE+)	1
Blackmagic Design ATEM Television Studio, Blackmagic MultiView 4 / datavideo SE-2200	Switcher	1
	Audio System	1
	SDI Cable	6
	LAN Cable (Category 5e)	4
	Audio Cable (Stereo)	2

*Selectable

Diagram: Connection Example



Multi-Camera Connection Using SDI (2)

This is a simple setup to remotely control the PTZ cameras.
SDI output with no video drift between cameras is recommended in this multi-camera setup.
The setup can be simplified by selecting a switcher with built-in audio mixer.
For system in which PC is not used, control the camera with the remote camera controller (RM-LP100).

Lag may occur depending on the network environment.

Model No.	Description	Quantity
KY-PZ100	HD PTZ Remote Camera	3
RM-LP100	Remote Camera Controller	1
DT-V24G2 *	Multi-Format LCD Monitor	2
SR-HD2700	Blu-Ray Disc & HDD Recorder	1
	HUB (PoE+)	1
Blackmagic Design ATEM Television Studio, Blackmagic MultiView 4 / datavideo SE-2200 / For-A HVS-100 / Roland V-1SDI, V-800HD	Switcher	1
	Audio System	1
	SDI Cable	5
	LAN Cable (Category 5e)	4
	Audio Cable (Stereo)	2
	HDMI Cable	1

*Selectable

Diagram: Connection Example

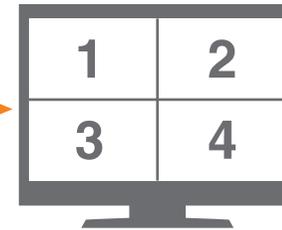
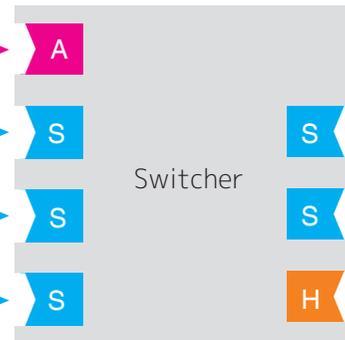
Audio System



KY-PZ100



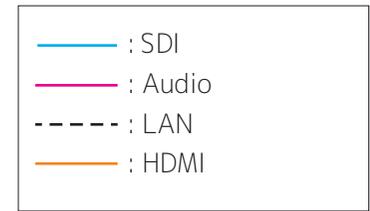
SR-HD2700



HUB (PoE+)



RM-LP100



Multi-Camera Connection Using SDI

~ Controlling from Multiple Points ~

This is a setup to remotely control the PTZ cameras.

SDI output with no video drift between cameras is recommended in this multi-camera setup.

A microphone can be connected to the camera. (Plug-in power support.)

For system in which PC is not used, control the camera with the remote camera controller (RM-LP100).

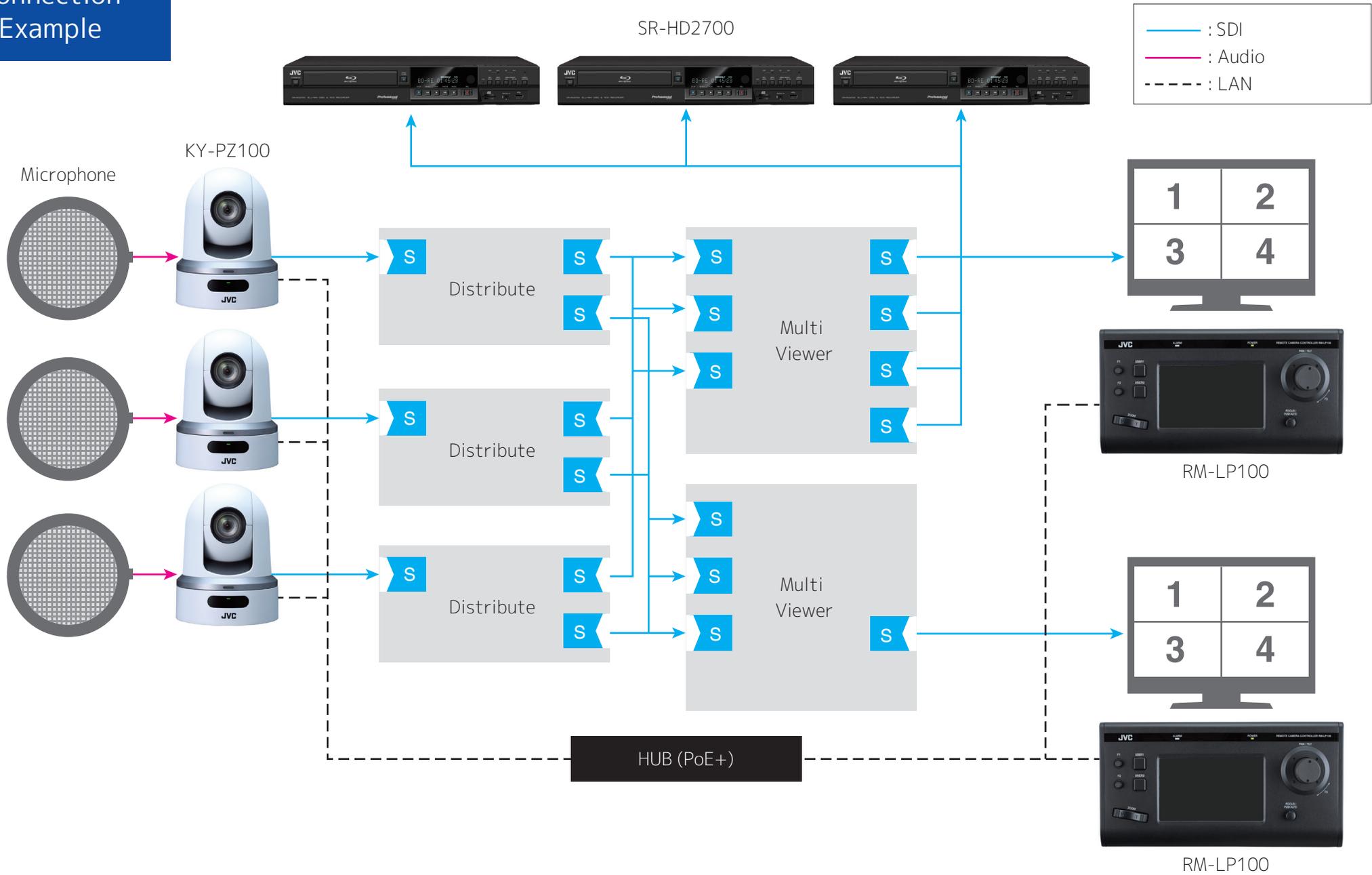
The cameras can be controlled and monitored at multiple locations through SDI output distribution.

Lag may occur depending on the network environment.

Model No.	Description	Quantity
KY-PZ100	HD PTZ Remote Camera	3
RM-LP100	Remote Camera Controller	2
DT-V24G2 *	Multi-Format LCD Monitor	2
SR-HD2700	Blu-Ray Disc & HDD Recorder	3
	HUB (PoE+)	1
Blackmagic Design	Multi Viewer	2
Blackmagic MultiView 4		
	Microphone	3
	SDI Cable	14
	LAN Cable (Category 5e)	5

*Selectable

Diagram: Connection Example



Multi-Camera Connection Using SDI

~ Tally Support ~

This is a simple setup to remotely control the PTZ cameras.

SDI output with no video drift between cameras is recommended in this multi-camera setup.

For system in which PC is not used, control the camera with the remote camera controller (RM-LP100).

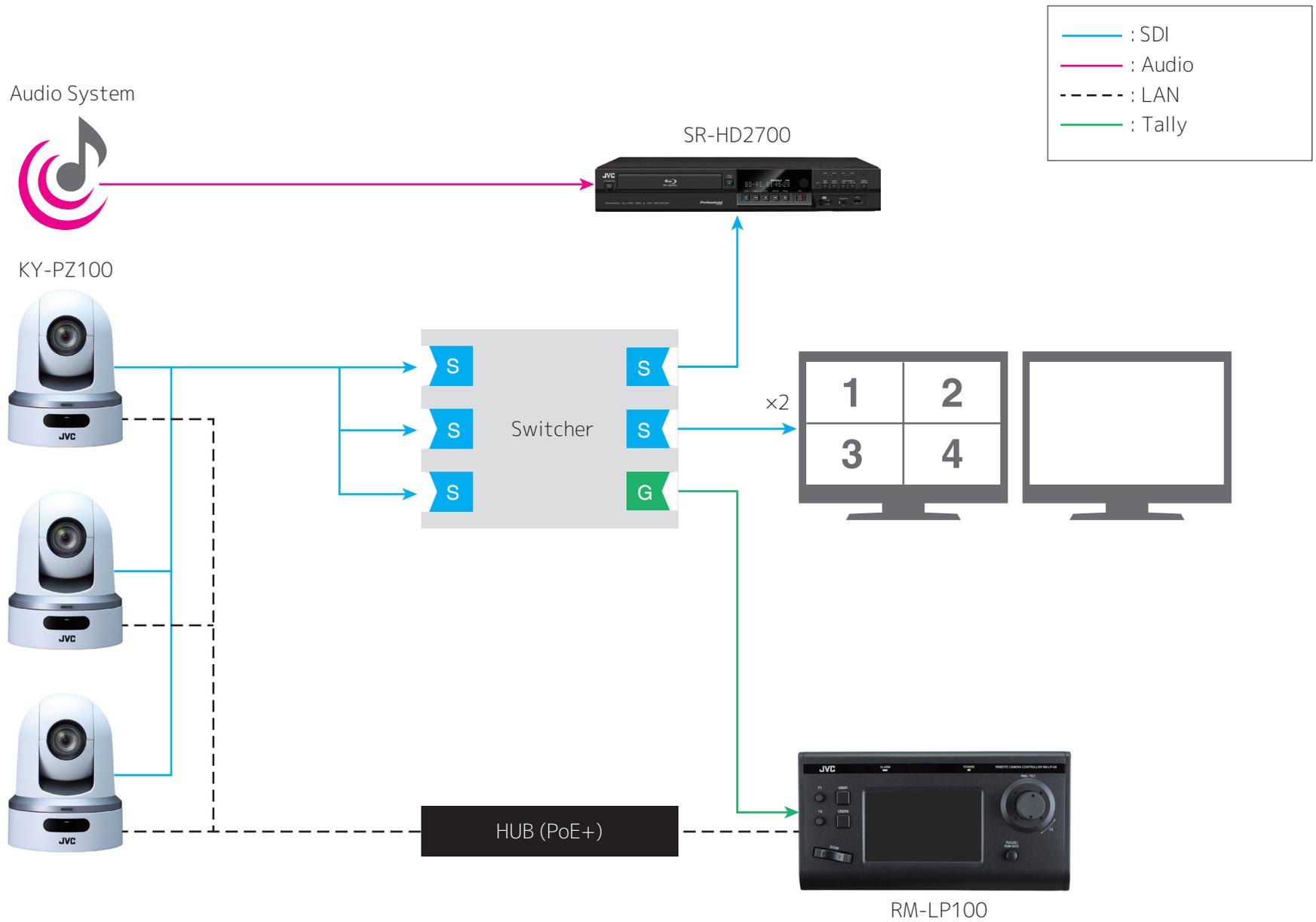
By inputting the tally output from the switcher to RM-LP100, it is possible to check the tally signal on the screen of RM-LP100 and to light up the tally lamp on the PTZ camera.

Lag may occur depending on the network environment.

Model No.	Description	Quantity
KY-PZ100	HD PTZ Remote Camera	3
RM-LP100	Remote Camera Controller	1
DT-V24G2 *	Multi-Format LCD Monitor	2
SR-HD2700	Blu-Ray Disc & HDD Recorder	1
	HUB (PoE+)	1
datavideo SE-2200	Switcher	1
	SDI Cable	5
	LAN Cable (Category 5e)	4
	Tally Cable	1
	Audio Cable	1
	Audio System	1

*Selectable

Diagram: Connection Example



Multi-Camera Connection Using HDMI (1)

This is a simple setup to remotely control the PTZ cameras.

An affordable HDMI switcher can be used if the distance between the switcher and the cameras is short.

If the distance is long, an HDMI repeater is required at every 5 m point.

For system in which PC is not used, control the camera with the remote camera controller (RM-LP100).

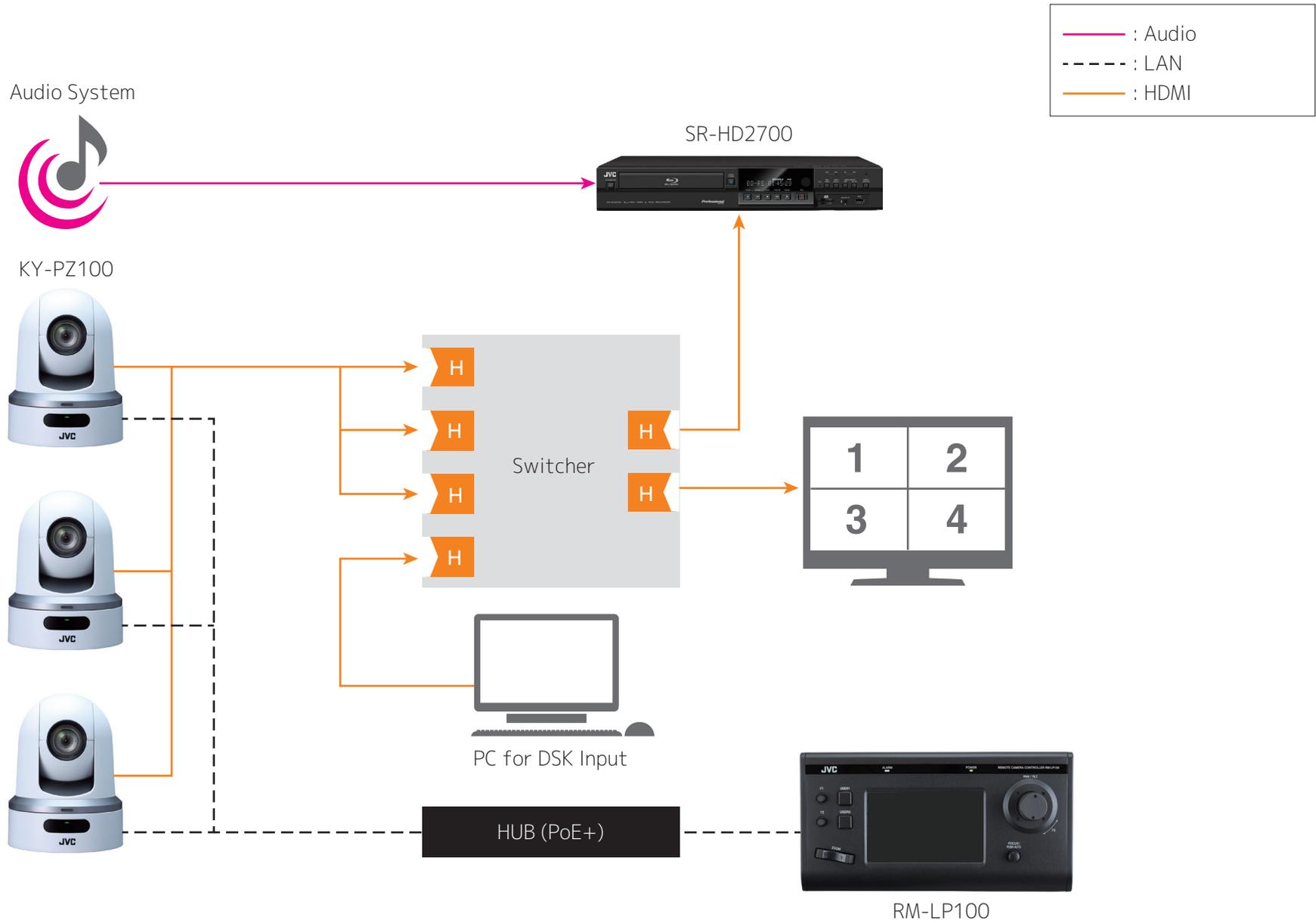
By adding a PC for DSK input, it is possible to overlay images and texts over the video and output the video from the Program output.

Lag may occur depending on the network environment.

Model No.	Description	Quantity
KY-PZ100	HD PTZ Remote Camera	3
RM-LP100	Remote Camera Controller	1
DT-V24G2 *	Multi-Format LCD Monitor	2
SR-HD2700	Blu-Ray Disc & HDD Recorder	1
	HUB (PoE+)	1
Blackmagic Design ATEM Television Studio / Roland V-800HD, V-1HD	Switcher	1
	HDMI Cable	6
	Audio Cable	1
	Audio System	1
	LAN Cable (Category 5e)	4

*Selectable

Diagram: Connection Example



Multi-Camera Connection Using HDMI (2)

This is a simple setup to remotely control the PTZ cameras.

An affordable HDMI switcher can be used if the distance between the switcher and the cameras is short.

If the distance is long, an HDMI repeater is required at every 5 m point.

The setup can be simplified by selecting a switcher with built-in audio mixer.

For system in which PC is not used, control the camera with the remote camera controller (RM-LP100).

By adding a PC for DSK input, it is possible to overlay images and texts over the video and output the video from the Program output.

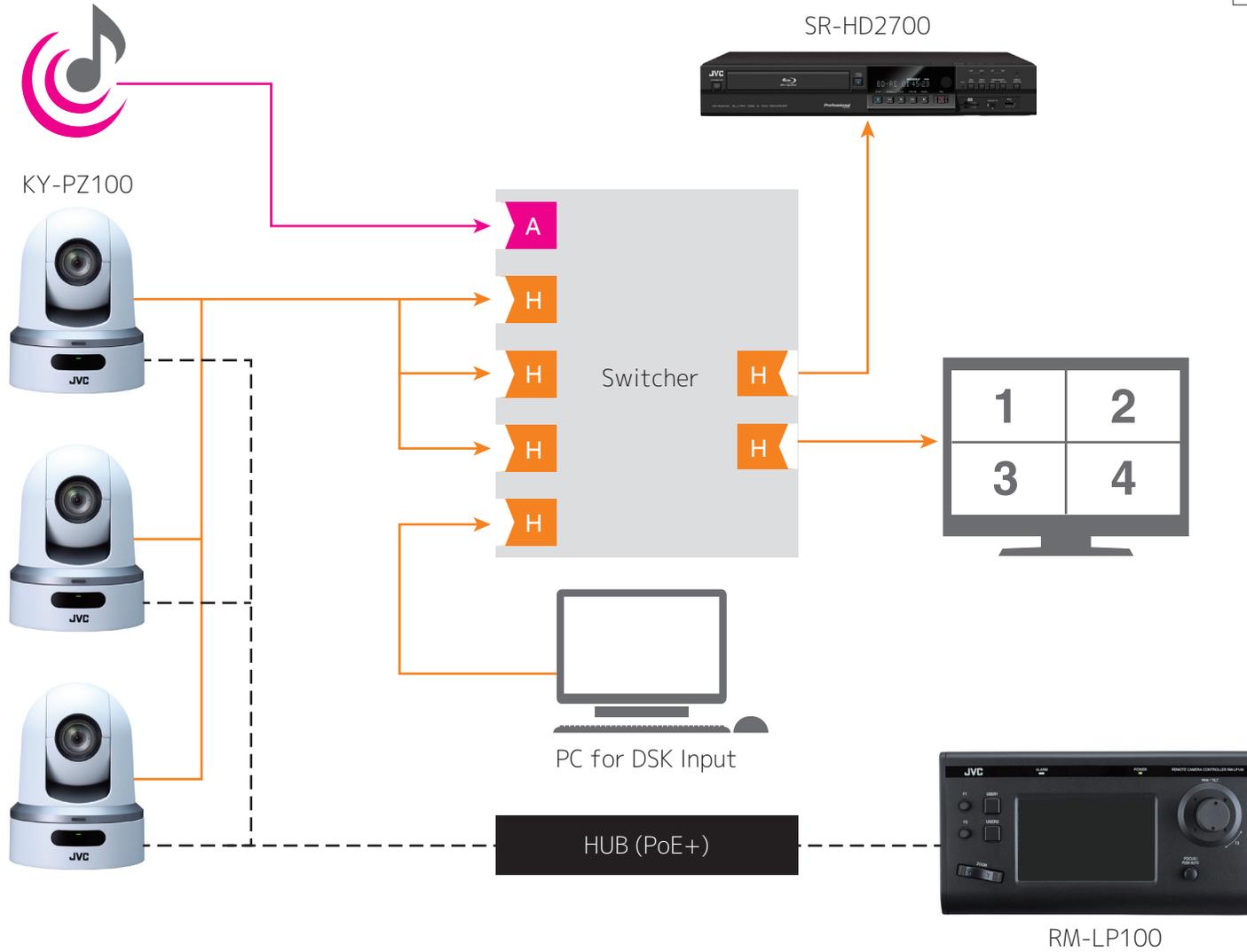
Lag may occur depending on the network environment.

Model No.	Description	Quantity
KY-PZ100	HD PTZ Remote Camera	3
RM-LP100	Remote Camera Controller	1
DT-V24G2 *	Multi-Format LCD Monitor	2
SR-HD2700	Blu-Ray Disc & HDD Recorder	1
	HUB (PoE+)	1
Blackmagic Design ATEM Television Studio / Roland V-1HD	Switcher	1
	HDMI Cable	6
	Audio Cable	1
	Audio System	1
	LAN Cable (Category 5e)	4

*Selectable

Diagram: Connection Example

Audio System



Live Streaming from IP Switcher

~ IP Camera Control and SDI Video
Distribution ~

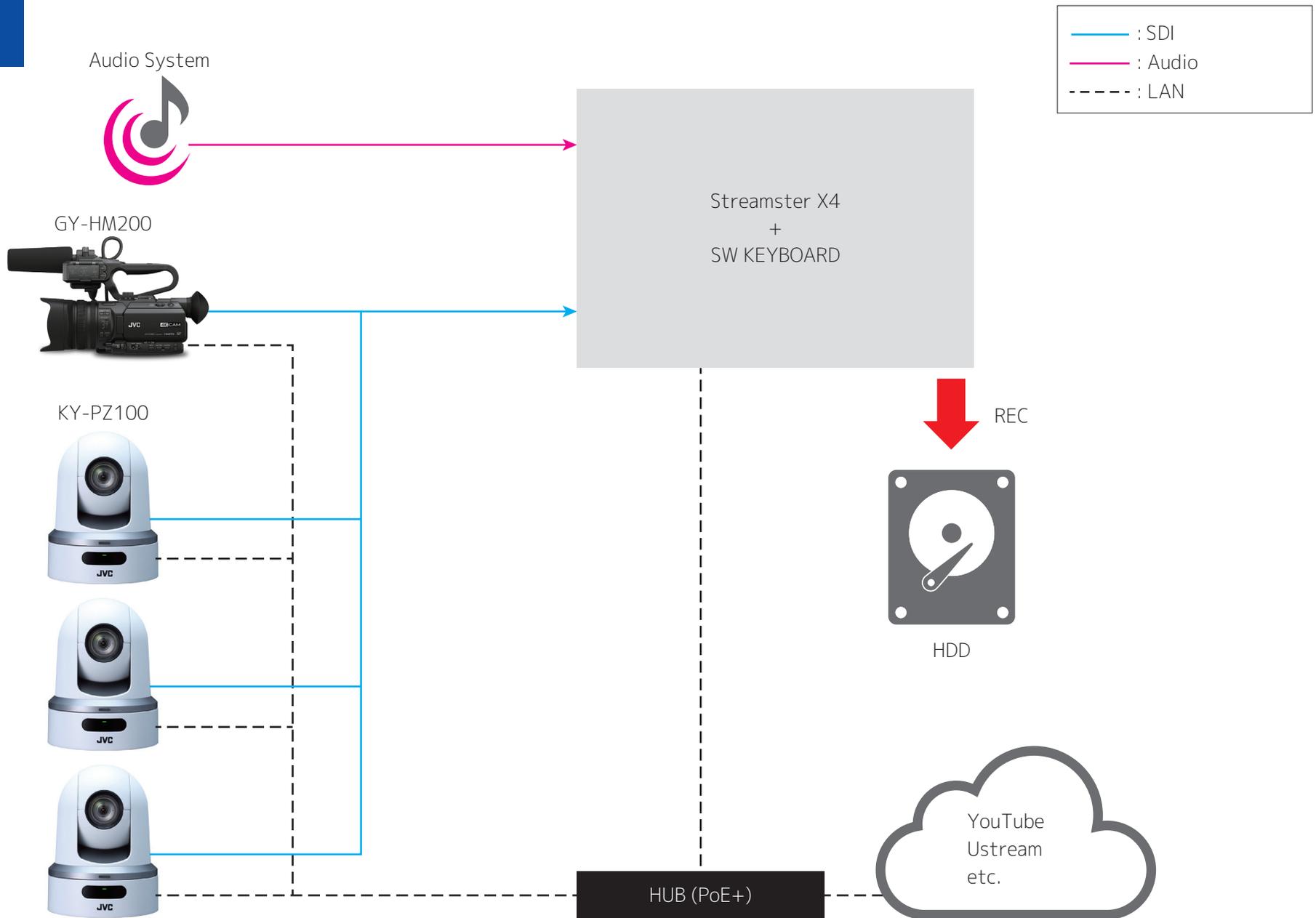
This is a simple setup to distribute live streams using PTZ cameras.
If Streamstar X4 is used, up to 4 external video input (SDI) and 4 IP inputs are available for use.

The function (for various camera controls and setups), equivalent to the control by web browser function equipped in camera recorders such as JVC GY-HM200, is incorporated in the switcher.

(However, PTZ control will be available in future versions.)

Model No.	Description	Quantity
KY-PZ100	HD PTZ Remote Camera	3
GY-HM200	4K Memory Card Camera Recorder	1
Streamstar X4	Switcher + Streaming	1
SW KEYBOARD (for X4)	Keyboard	1
	HUB (PoE+)	1
	Audio System	1
	LAN Cable (Category 5e)	6
	Audio Cable	1
	SDI Cable	4

Diagram: Connection Example



Live Streaming from IP Switcher

~ IP Camera Control and IP Video
Distribution ~

This is a simple setup to distribute live streams using PTZ cameras.
If Streamstar X4 is used, up to 4 external inputs and 4 IP inputs are available for use.

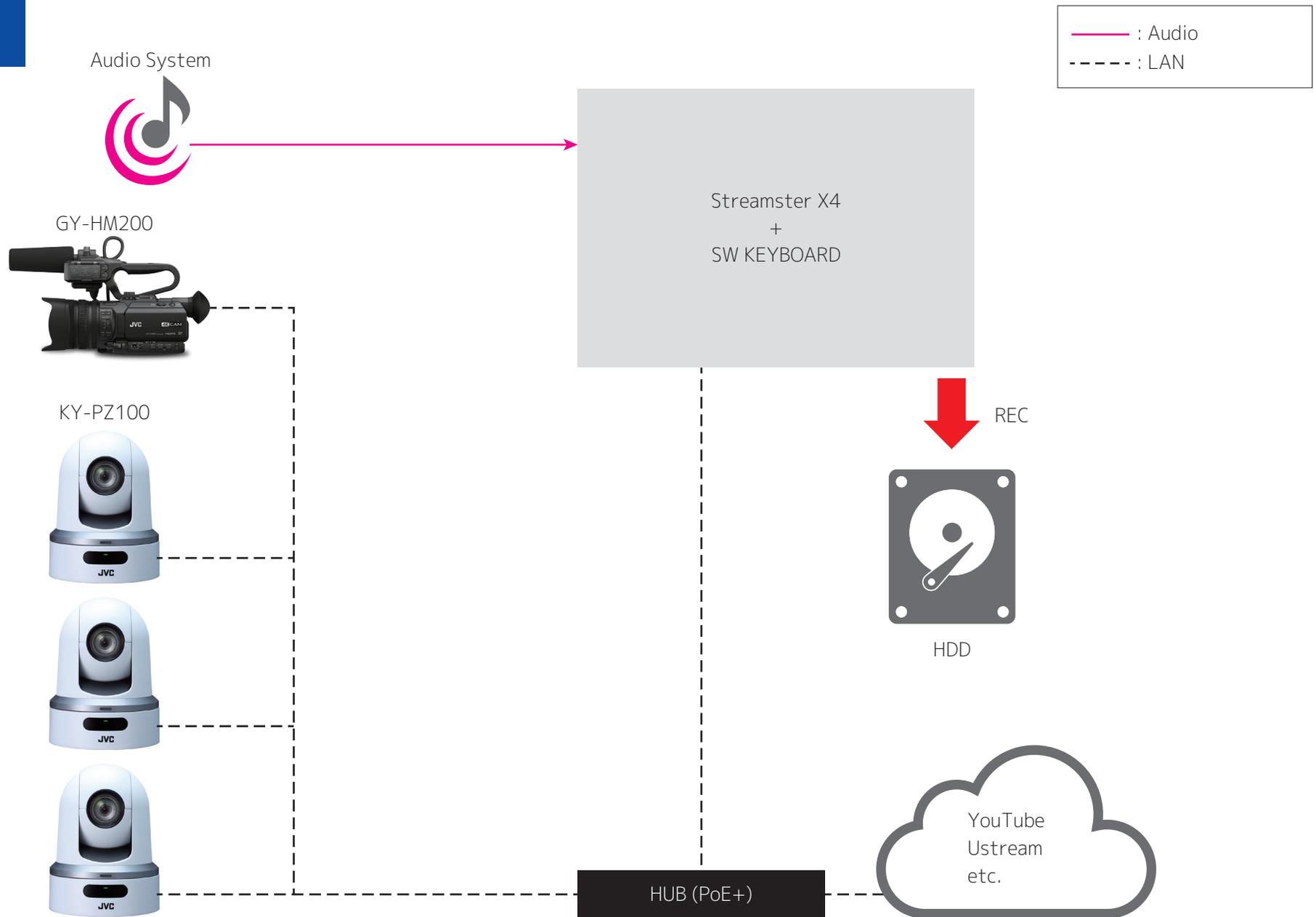
If a low to medium bit rate image quality and a latency of several hundred milliseconds is acceptable for the mainstream video, a simple IP-only connection setup is available.

The function (for various camera controls and setups), equivalent to the control by web browser function equipped in camera recorders such as JVC GY-HM200, is incorporated in the switcher.

(However, PTZ control will be available in future versions.)

Model No.	Description	Quantity
KY-PZ100	HD PTZ Remote Camera	3
GY-HM200	4K Memory Card Camera Recorder	1
Streamstar X4	Switcher + Streaming	1
SW KEYBOARD (for X4)	Keyboard	1
	HUB (PoE+)	1
	Audio System	1
	LAN Cable (Category 5e)	6
	Audio Cable	1

Diagram: Connection Example



Live Streaming from IP Switcher

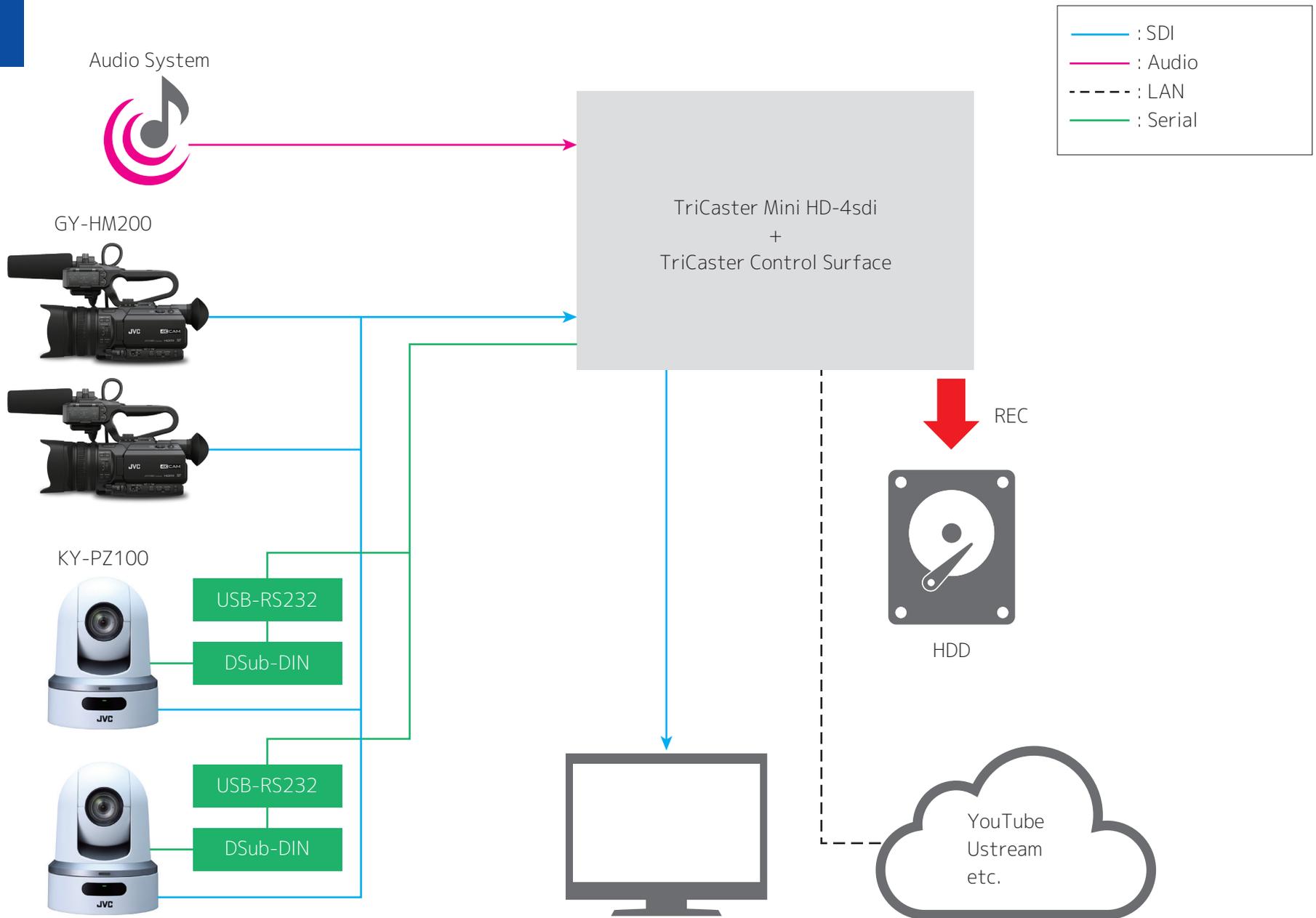
~ Serial Camera Control and SDI Video
Distribution ~

This is a simple setup to distribute live streams using PTZ cameras.
This system uses serial interface to control the camera from the IP switcher.
The TriCaster Mini series include "TriCaster Mini HD-4sdi" (SDI model) as well
as "TriCaster Mini HD-4i" (HDMI model) and TriCaster Mini HD-4 without built-
in monitor.
Up to 4 external inputs (HDMI/SDI) and 2 IP inputs are available for use.

Model No.	Description	Quantity
KY-PZ100	HD PTZ Remote Camera	2
GY-HM200	4K Memory Card Camera Recorder	2
TriCaster Mini HD-4sdi	IP Switcher	1
Tricaster Mini Control Surface	TriCaster Mini Controller	1
DT-V24G2 *	Multi-Format LCD Monitor	1
	Audio System	1
	Audio Cable	1
	SDI Cable	5
	USB-RS232C Cable	2
	DSub-DIN Cable	2
	LAN Cable (Category 5e)	1

*Selectable

Diagram: Connection Example



Music Event



To add video to an existing PA system with only audio output, a switcher without audio input can be used to set up the system.

For camera selection by the switcher, both Program (R TALLY) and Preview (G TALLY) can be output as TALLY output.

By connecting one of these outputs to the remote camera controller (RM-LP100), the system can be operated according to the intended use such as operating the camera while On Air (with R TALLY output) or operating the next selected camera to decide the angle of view in advance (with G TALLY output). (The concurrent use of R TALLY and G Tally is available in future versions of RM-LP100.)

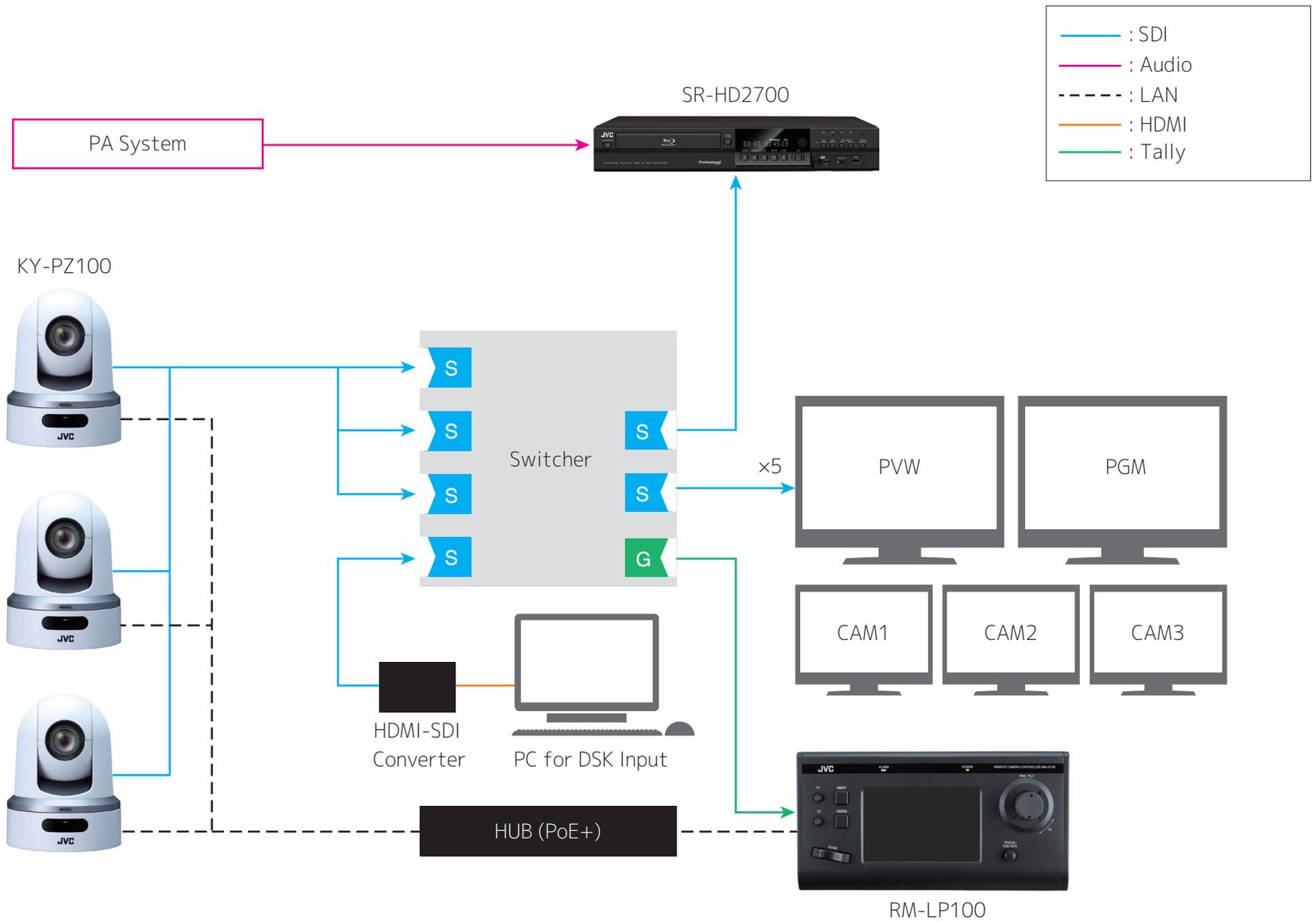
Assuming that no editing is required, it is possible to perform a video recording with the BD recorder (SR-HD2700) of an event in real-time from multiple viewing angles, and distribute the video on discs immediately after the event.

SR-HD2700 supports up to 1080 50i/60i.

Model No.	Description	Quantity
KY-PZ100	HD PTZ Remote Camera	3
RM-LP100	Remote Camera Controller	1
DT-V24G2 *	Multi-Format LCD Monitor	5
SR-HD2700	Blu-Ray Disc & HDD Recorder	1
	HUB (PoE+)	1
PROTECH VSE-500HD	Switcher	1
	PC	1
	HDMI-SDI Converter	1
	LAN Cable (Category 5e)	4
	SDI Cable	10
	HDMI Cable	1

*Selectable

Diagram: Connection Example



Wedding Ceremony



Set up two units of KY-PZ100, which can be operated smoothly by the remote camera controller (RM-LP100), at the front. And set up GY-HM620 at the back to capture the entire view.

Use a switcher to switch the videos from the three cameras and record the output video using the BD recorder (SR-HD2700).

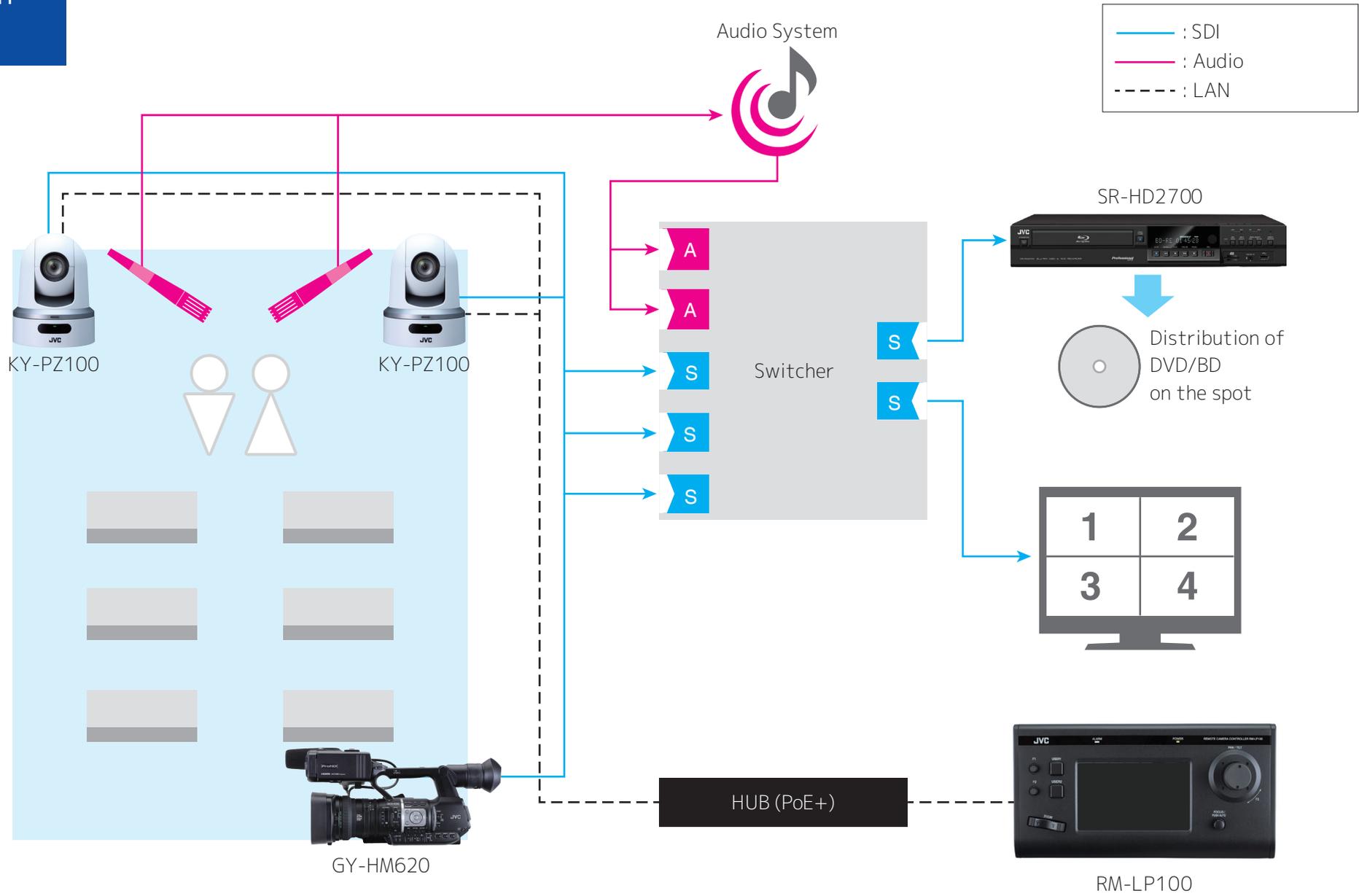
Use the signal from the audio system installed at the venue as the audio input. Doing so will prevent the audio from being affected by the switching of videos.

SR-HD2700 supports up to 1080 50i/60i.

Model No.	Description	Quantity
KY-PZ100	HD PTZ Remote Camera	2
GY-HM620	HD Memory Card Camera Recorder	1
RM-LP100	Remote Camera Controller	1
SR-HD2700	Blu-Ray Disc & HDD Recorder	1
DT-V24G2 *	Multi-Format LCD Monitor	1
Blackmagic Design ATEM Television Studio / datavideo SE-2200	Switcher	1
	HUB (PoE+)	1
	Microphone	2
	LAN Cable (Category 5e)	3
	SDI Cable	5
	Audio Cable	2
	SDXC Card	1
	Audio System	1

*Selectable

Diagram: Connection Example



Wedding Ceremony

~ 4K Recording ~



Set up two units of KY-PZ100, which can be operated smoothly by the remote camera controller (RM-LP100), at the front. And set up GW-SP100 at the back in combination with the remote head to enable recording of the entire view in 4K resolution from a high angle.

(HD video is output to the switcher. 4K video will only be recorded on the SDHC/SDXC card (UHS-I U3 or higher).)

Use a switcher to switch the videos from the three cameras and record the output video using the BD recorder (SR-HD2700).

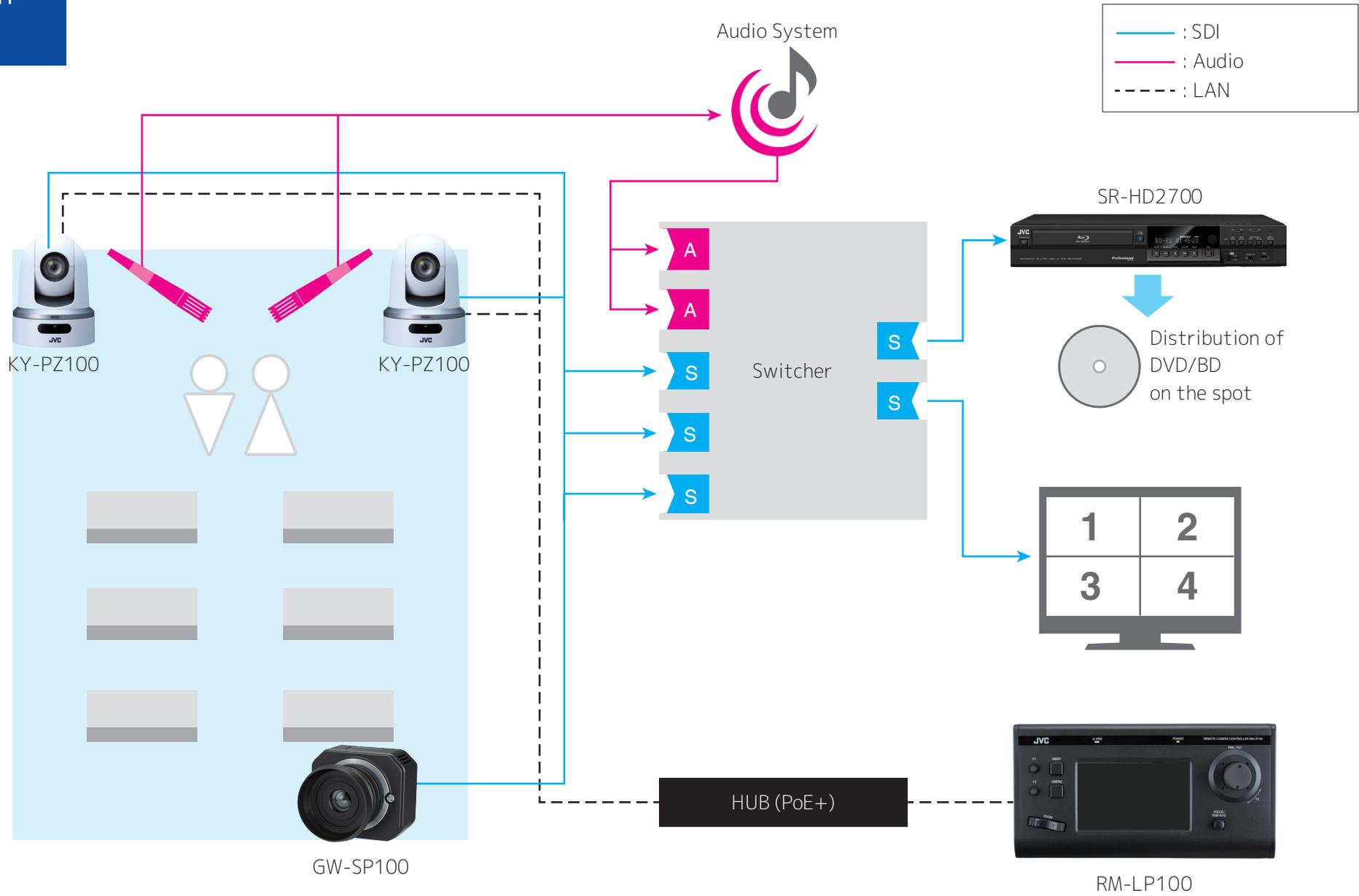
Fix the microphone input to prevent the audio input from being affected by the switching of videos.

SR-HD2700 supports up to 1080 50i/60i.

Model No.	Description	Quantity
KY-PZ100	HD PTZ Remote Camera	2
GW-SP100	Remote Head 4K CAM Camera System	1
RM-LP100	Remote Camera Controller	1
SR-HD2700	Blu-Ray Disc & HDD Recorder	1
DT-V24G2 *	Multi-Format LCD Monitor	1
Blackmagic Design ATEM Television Studio / datavideo SE-2200	Switcher	1
	HUB (PoE+)	1
	Microphone	2
	LAN Cable (Category 5e)	3
	SDI Cable	5
	Audio Cable	2
	SDHC/SDXC Card (UHS-I U3 or higher)	1
	Audio System	1

*Selectable

Diagram: Connection Example



Wedding Reception

~ Live Screening and
Instant Packaging ~



Set up two units of KY-PZ100, which can be operated smoothly by the remote camera controller (RM-LP100), at the back.

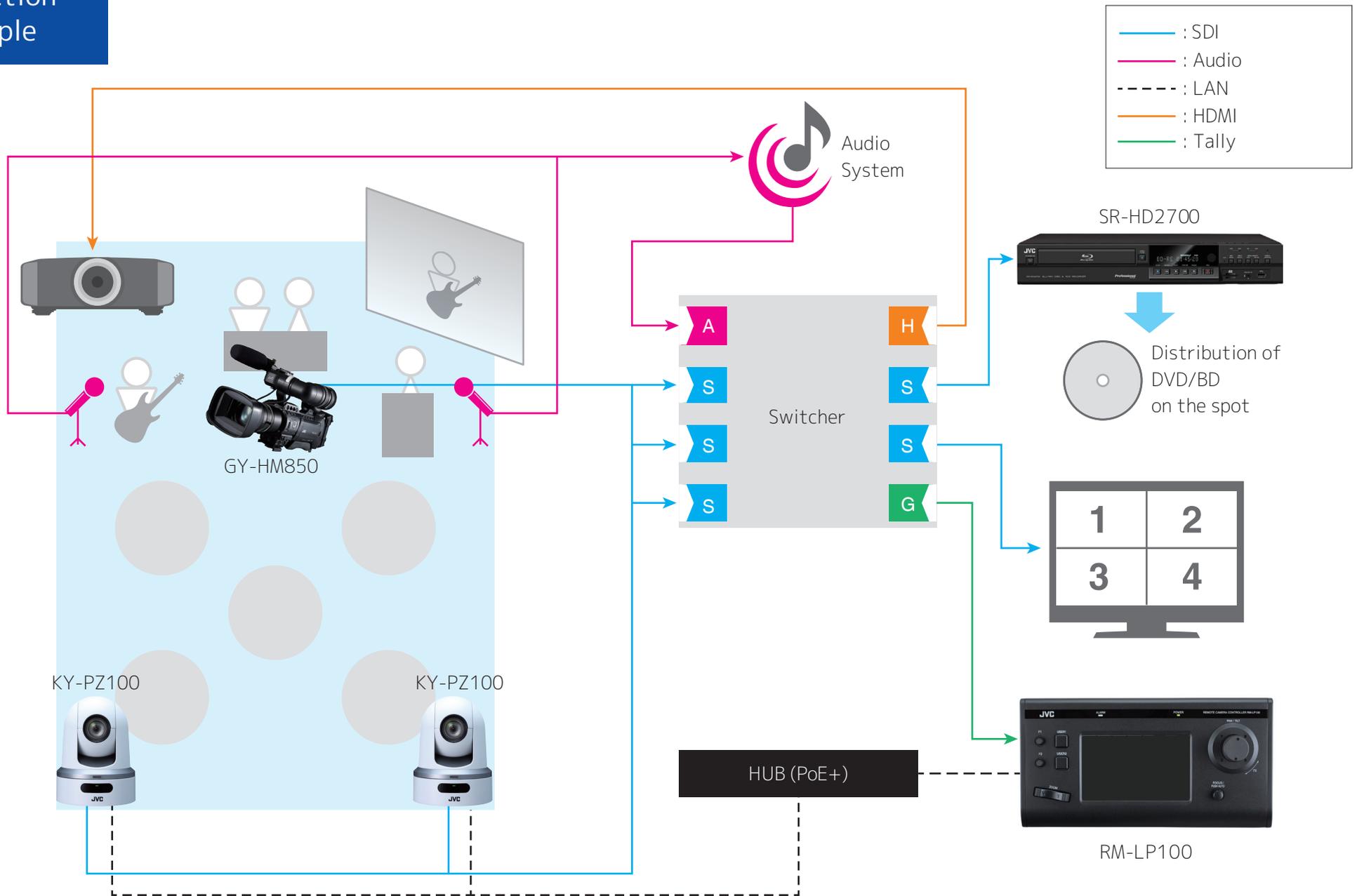
When screening slides or DVD content, live footage of the wedding reception (such as the action of the wedding couple, entire view of the venue, etc.) can also be screened, and recorded to the BD recorder (SR-HD2700) to create a wedding highlights package (on DVD/BD).

SR-HD2700 supports up to 1080 50i/60i.

Model No.	Description	Quantity
KY-PZ100	HD PTZ Remote Camera	2
RM-LP100	Remote Camera Controller	1
GY-HM850	HD Memory Card Camera Recorder	1
	Projector	1
SR-HD2700	Blu-Ray Disc & HDD Recorder	1
	Microphone	1
	Audio System	1
datavideo SE-2200	Switcher	1
DT-V24G2 *	Multi-Format LCD Monitor	1
	HUB (PoE+)	1
	SDI Cable	5
	LAN Cable (Category 5e)	3
	XLR Cable	3
	Tally Cable	1
	HDMI Cable	1
	SDXC Card	1

*Selectable

Diagram: Connection Example



JVCKENWOOD