

# In the case of using Pelco cameras

## Outline

Pelco cameras can be controlled with the digital disk recorder (WJ-HD616K/WJ-HD716K) (hereafter called this unit) via RS485.

## Supported Pelco camera protocol

Pelco-D protocol available exclusively

## Connection

Pelco cameras shall be connected to the RS485 (camera) port of this unit. Up to 8 of either Panasonic cameras or Pelco cameras can be connected to one port. If Panasonic and Pelco cameras are connected to the same port, the cameras cannot be correctly controlled.

## How to set up Pelco cameras

- Pelco cameras shall be set with communication via RS485 in the 4-wire mode. Refer to the operating instructions of the Pelco cameras for how to set up Pelco cameras.

### Important

Even if the 2-wire method is used for the actual wiring, select the 4-wire mode for setting and connect the transmitting side of this unit to the receiving side of Pelco cameras.

- Assign a camera number from 1 to 16 to the cameras with consideration not to use the same number for 2 or more cameras. Refer to the operating instructions of the Pelco cameras for how to set up Pelco cameras.

## How to set up this unit

The following can be set up on the setup menu of this unit:

- Select "RS485" at the communication method of "Camera control". Select "Pelco-D" at "Protocol" in "RS485 setup".
- Set the baud rate to the same baud rate of the Pelco cameras (default: 2400 bps) in "RS485 setup".
- Use the mode switch on the rear panel of this unit to select the 4-wire mode. Set the terminal switch to ON.

## How to operate cameras

The 2 methods described below are available to operate the cameras:

- The cameras can be operated with use of the front panel of this unit, a Web browser, or the system controller (WV-CU650). Refer to the next page for the available functions.
- Camera movement to preset positions using preset numbers is also available as the same case of using Pelco controller (KBD300A or other models). Refer to the operating instructions of the Pelco cameras for how to use the preset position function.

## Precautions

- To operate the main menu of the Pelco cameras from the system controller, WV-CU650, use the IRIS OPEN button or IRIS CLOSE button to determine or cancel each setting. Refer to the operating instructions of the Pelco cameras for further information.
- Preset positions can be registered via the system controller (WV-CU650) even if “Invalid” appears on the screen of the system controller after registration. Ensure that registration is successfully completed by performing preset movement after registration.

## List of supported Pelco camera functions

Function	Corresponding Pelco camera function	Operational tool		
		WV-CU650	Front panel of this unit	Web browser
Pan	Pan Left, Pan Right	○	○	○
Tilt	Tilt Up, Tilt Down	○	○	○
Zoom, Tele/Wide	Zoom Wide, Zoom Tele	○	○	○
Focus, Far/Near	Focus Far, Focus Near	○	○	○
Auto Focus	Auto-focus On	○	○	○
Auto Pan Start	Auto Scan	○	○	○
Auto Pan Stop	Stop Scan	○ *1	○ *1	○
Iris, Open/Close	Iris Open, Iris Close	○	○	○
Iris Reset	Auto Iris On	○	○	○
Preset Movement (1-32, 35-82)	Go to Preset	○	○	○
Preset Registration (1-32, 35-82)	Set Preset	○	○	×
AUX Control 1 ON	Aux1 On (Preset 85 Set)	○	○ *3	○ *3
AUX Control 1 OFF	Aux1 Off (Preset 85 Call)	○	○ *2	○ *2
AUX Control 2 ON	Aux2 On (Preset 84 Set)	○	○ *3	○ *3
AUX Control 2 OFF	Aux2 Off (Preset 84 Call)	○	○ *2	○ *2
Camera Menu	Menu Access (Preset 95 Set)	○ *3	○	○
Auto Mode Sequence	Random Scan (Preset 97 Call)	○	○ *4	○ *4
Auto Mode Sort	Frame Scan (Preset 98 Call)	○	○ *5	○ *5
Black & White Mode ON	IR Filter Out (Preset 89 Call)	○	○ *2	○ *2
Black & White Mode OFF	IR Filter In (Preset 88 Call)	○	○ *2	○ *2
Patrol Learn	Set Pattern Start	○	×	×
Patrol Start	Run Pattern	○	○	○
Patrol Stop	Set Pattern Stop	○	○	○
Auto Pan Start Point	Scan Left Limit (Preset 92 Set)	○	○ *3	○ *3
Auto Pan End Point	Scan Right Limit (Preset 93 Set)	○	○ *3	○ *3

\*1 Available with the manual pan/tilt operation

\*2 Supported by preset movement with applicable preset number

\*3 Supported by preset registration with applicable preset number

\*4 Supported by preset movement with applicable preset number or by preset sequence start in the auto mode

\*5 Supported by preset movement with applicable preset number or by sort start in the auto mode