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## Release note

Product: CL01 Controller

FW version	V1.30
Release date	2023/03/01
New feature	NA
Improvement	<ol style="list-style-type: none"><li>1. Bug: Solve the arrow display when moving down. Description: When tilting down the joystick and the arrow showing down and releasing the joystick, the arrow still shows down. So when the joystick is released and then the arrow disappears.</li><li>2. Bug: Optimize the preset number confirmation command. Description: when the user wants to call preset 125, press preset number 12 and then press menu to make some settings and then press preset 125, the CL01 will receive preset12125 and display an error. So, we will release the command of preset when the user presses other keys.</li></ol>



## Release note

FW version	V1.29
Release date	2023/01/13
New feature	NA
Improvement	<ol style="list-style-type: none"><li>3. Solve the bug of canceling the baud rate configuration through VISPA when CL01 is powered off.</li><li>4. Increase the capacity of the UDP receiving buffer, and solve the bug that CL01 automatically restarts after the UDP receives a command longer than 128 bytes</li></ol>



# Release note

FW version	V1.28
Release date	2022/04/07
New feature	<ol style="list-style-type: none"> <li>Support VISPA command. (See the command in next page).</li> <li>Able to do Factory default of controller.           <div data-bbox="397 488 686 869" data-label="Image"> </div> </li> <li>Able to see Mac address of controller.           <div data-bbox="397 913 686 1294" data-label="Image"> </div> </li> </ol>
Improvement	<ol style="list-style-type: none"> <li>Able to set zoom speed from 0~7 byte, provide slower movement. (sensitivity setting 1 and send 0~1 speed, sensitivity setting 2 and send 0~2 speed...etc.)</li> <li>Improve the Visca over IP command compatibility.</li> <li>Bug fix: able to set the controller's IP address in once.</li> </ol>

## VISPA command

The communication specifications of VISPA over IP	
• Interface	RJ-45 10BASE-T/100BASE-TX/1000BASE-T
• Internet protocol	IPv4
• Transport protocol	UDP
• IP address	BY Setting
• Port address	53669

## Control commands

Command	Function	Command Package	Note
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Panel System Setting	Language	81 01 01 01 2p FF	English (0), TC (1), SC(2)
	LED Brightness	81 01 01 02 2p FF	L (0) / Normal (1) / Hight (2)
	Backlight	81 01 01 03 2p FF	off (0), on (1), auto (2)
	Joystick sensitive	81 01 01 04 2p FF	1~7
Panel Channel Setting	Set Channel IP	81 01 02 02 0m 0n 0p 0q 0r 0s 0t 0u 0v 0w FF	IP = pqrstuvw, mn = Channel No.(01~FF)
	Set Channel port	81 01 02 03 0m 0n 0p 0q 0r 0s FF	Port = pqrs, mn = Channel No.(01~FF)
Panel Com Setting	Address	81 01 03 01 0m 0n 2p FF	1~7, mn = Channel No.(01~FF)
	Baud rate	81 01 03 02 0m 0n 2p FF	2400(1), 4800(2), 9600(3), 19200(4), 38400(5), mn = Channel No.(01~FF)
	Protocol	81 01 03 03 0m 0n 2p FF	Visca (1), SonyVisca (2), Pelco-P (3), Pelco-D (4), mn = Channel No.(01~FF)
Panel Control Cmd	Select Control Channel	81 01 04 01 0m 0n FF	mn = Channel No.(01~FF)

### Query command

Query command			
command	Command Package	Return Package	note
PANEL_LanguageInq	81 09 01 01 FF	90 50 0p FF	English (0), TC (1), SC (2)
PANEL_LED Brightness_Inq	81 09 01 02 FF	90 50 0p FF	L (0) / Normal (1) / Hight (2)
PANEL_Backlight_Inq	81 09 01 03 FF	90 50 0p FF	off (0), on (1), auto (2)
PANEL_Joystick sensitive_Inq	81 09 01 04 FF	90 50 0p FF	1~7
PANEL_CurrentChannel_Inq	81 09 02 01 FF	90 50 0m 0n FF	mn=Channel No.(01~FF)
PANEL_CurrentChannel IP_Inq	81 09 02 02 FF	90 50 0p 0q 0r 0s 0t 0u 0v 0w FF	IP = pqrstuvw
PANEL_CurrentChannel port_Inq	81 09 02 03 FF	90 50 0p 0q 0r 0s FF	Port = pqrs
PANEL_Address_Inq	81 09 03 01 FF	90 50 0p FF	1~7
PANEL_Baudrate_Inq	81 09 03 02 FF	90 50 0p FF	2400(1), 4800(2), 9600(3), 19200(4), 38400(5)
PANEL_Protocol_Inq	81 09 03 03 FF	90 50 0p FF	Visca (1), SonyVisca(2), Pelco-P(3), Pelco-D(4)

