

# KRAMER



## Quick Start Guide

**MODEL:**

**K-Cam4K**  
4K PTZ Camera



P/N:



2900-301530QS

Rev:



1



### SAFETY WARNING

Disconnect the unit from the power supply before opening and servicing

For the latest information on our products and a list of Kramer distributors, visit our Web site where updates to these installation instructions may be found.

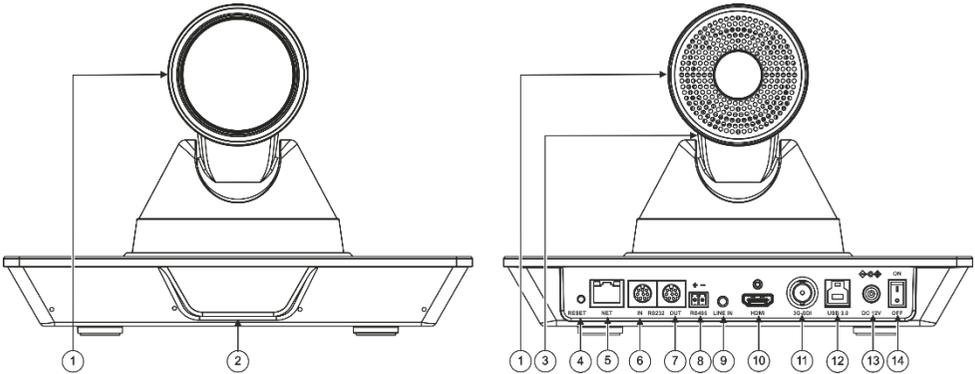
We welcome your questions, comments, and feedback.

[www.kramerAV.com](http://www.kramerAV.com)  
[info@kramerel.com](mailto:info@kramerel.com)

## K-Cam4K 4K PTZ Camera

Congratulations on purchasing your Kramer K-Cam4K 4K PTZ Camera (Pan Tilt Zoom camera). K-Cam4K includes an ultra-low, 8.51Mpixel CMOS image sensor that together with 3D DNR technology, delivers high image quality of up to 4K at 30fps. K-Cam4K includes HDMI, RJ-45 and USB 3.0 outputs for easy plug-and-play and features x12 zoom, a  $\pm 30^\circ$  tilt, a  $71^\circ$  field of view and a  $\pm 170^\circ$  pan. Control K-Cam4K via the IR remote controller, OSD or embedded webpages. Go to [www.kramerav.com/downloads/K-Cam4K](http://www.kramerav.com/downloads/K-Cam4K) to download the latest user manual and check if firmware upgrades are available.

### Get to know your K-Cam4K



#	Feature	Function
1	Camera	Front and rear views.
2	Front Panel OLED	Displays frame rate and resolution for HDMI and SDI output signals, as well as the IP address.
3	Tilting Mechanism	Can be set to any of 255 preset positions.
4	RESET	Press for 5 seconds to reset to factory default parameters.
5	NET RJ-45 Connector	Connect to your network or directly to a computer (supports PoE).
6	RS-232 8-pin DIN	RS232 8-pin DIN Connector
7	Connector	
8	RS-485 2-pin Terminal Block Connector	Connect to a controller.
9	LINE IN 3.5mm Mini Jack	Connect to a microphone.
10	HDMI Out Connector	Connect to a recording/streaming device.
11	3G-SDI Out BNC Connector	Connect to a recording/streaming device.
12	USB 3.0 Type-B Connector	Connect to computer or collaboration device using the USB-3 cable (included).
13	DC12V Power Connector	Connect to the 12V power adapter.
14	ON/OFF Switch	Turn the unit on and off.

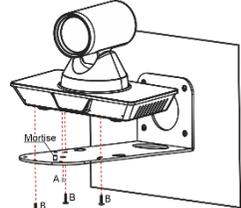
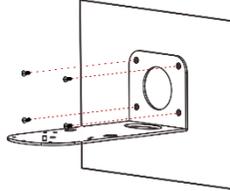
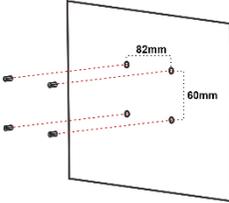
## Mounting K-Cam4K

You can mount K-Cam4K on the wall, the ceiling or place it on a tabletop. The built-in gravity sensor automatically corrects the image orientation.



- Ensure that the environment (e.g., maximum ambient temperature, humidity & air flow) is compatible for the device.
- Avoid exposing the product to direct sunlight or any other heat source.
- Keep away from children – product includes small accessories and components.
- Avoid uneven mechanical loading.
- Do not insert any sharp objects into the product.
- Avoid dropping or hitting the product to avoid damaging the product.
- For maintenance, call tech support.

To attach K-Cam4K onto a wall:



1. Find the correct location on the wall.
2. In the desired location, mark the hole locations, then drill 4 holes 82mm and 60mm apart (using a 6mm drill-bit) to fit the 4 holes of the wall-mounting bracket.
3. Insert the four expansion-plugs into the holes.

4. Attach the wall bracket to the wall, using the four wall-bracket screws.

Note that you can also attach the device upside down, from under the bracket.

5. Attach the device to the wall bracket by fitting the mortise (on the bracket) into the tenon (on the camera).
6. Fix the camera by screwing (A) Nickel screw to the center and (B) then tighten with 3 black screws.

## Connecting K-Cam4K

Always switch OFF the power on each device before connecting it to your K-Cam4K.

Connect the power cord to K-Cam4K and plug it into the mains electricity.



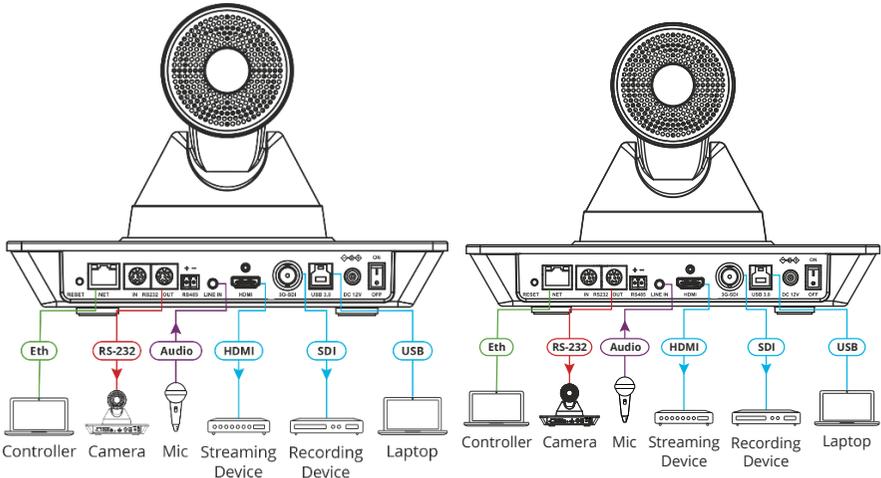
Safety Instructions (See [www.kramerav.com](http://www.kramerav.com) for updated safety information)

### Caution:

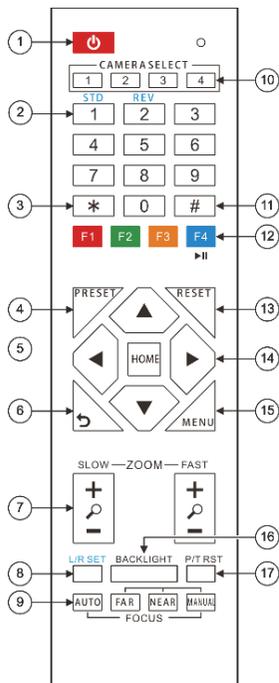
- There are no operator serviceable parts inside the unit.

### Warning:

- Use only the power cord that is supplied with the unit.
- Disconnect the power and unplug the unit from the wall before installing.
- Do not open the unit. High voltages can cause electrical shock! Servicing by qualified personnel only.
- To ensure continuous risk protection, replace fuses only according to the rating specified on the product label which located on the bottom of the unit.



## Controlling K-Cam4K via the IR remote controller



### Shortcut Keys

- \*+#+1: OSD default (English)
- \*+#+3: OSD default (Chinese)
- \*+#+4: Display current IP address
- \*+#+6: Quickly recover the default
- \*+#+8: View the camera version
- \*+#+9: Quickly set up inversion
- \*+#+MANUAL: Restore default IP address

#	Key	Function	
1	Power	Press once to enter standby mode. Press again to enter normal operation mode.	
2	Number (0 to 9)	Configure or edit a preset.	
3	* Key	Use together with other keys for various functions.	
4	PRESET	Press PRESET + a numerical key (0 to 9) to save the current configuration to that preset number.	
5	HOME	Press to return K-Cam4K to its default position. When in the OSD, press to enter a submenu or confirm menu.	
6	Return	Return to previous item on the menu.	
7	ZOOM	SLOW	Press for slow zoom in (+) or out (-).
		FAST	Press for quick zoom in (+) or out (-).
8	L/R Set	STD (1)	Press L/R + STD (1) keys to set Pan-Tilt to same direction as L/R setting.
		REV (2)	Press L/R + REV (2) keys to set Pan-Tilt to the direction opposite to the L/R setting.
9	FOCUS	AUTO	Press to automatically set the focus to the center of the image.
		MANUAL	Press to enter manual focus mode. Then press FAR or NEAR.
		FAR	When in MANUAL mode, press to focus on a far object
		NEAR	When in MANUAL mode, press to focus on a near object.
10	CAMERA SELECT	Select the camera to configure and control (1 to 4).	
11	# Key	Use together with other keys for various functions.	
12	IR RC	Press * + # + (F1 to F4) to assign a camera address to the remote. For example, point the remote to a camera, press *+#+F1. The remote assigns CAMERA SELECT 1 key to this camera. To use the remote to control camera 1 press the CAMERA SELECT 1 key. Press F4 to freeze the image.	
13	RESET	Press RESET+ a key number (0 to 9) to delete a preset configuration. Press *+#+RESET to delete all preset configurations.	
14	PTZ Control	Control camera panning and tilting using arrow keys (left, right, up and down).	
15	MENU	Enter/exit OSD menu.	
16	BACKLIGHT	Press to turn backlight compensation on or off. Available when exposure mode is set to Auto (via the OSD menu).	
17	P/T RST	Press to self-check preset Pan/Tilt on camera.	

## Default Communication Parameters

RS-232	
Baud Rate:	9600
Data Bits:	8
Stop Bits:	1
Parity:	None
Command Format:	ASCII
Ethernet	
To reset the IP settings to the factory reset values go to: Menu->Setup -> Factory Reset-> press Enter to confirm	
IP Address:	192.168.100.88
Subnet mask:	255.255.0.0
Default gateway:	192.168.1.2
Default username:	admin
Default password:	admin
Full Factory Reset	
OSD	Go to: Menu-> RESTORE DEFAULT -> confirm
Reset button	Press the RESET button for 5 seconds to reset the machine