KRAMER

Quick Start Guide

MODEL:

K-CamHD
PTZ Camera

⚠ 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.
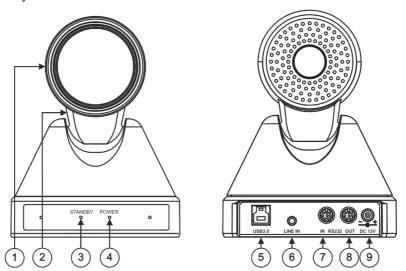We welcome your questions, comments, and feedback.

www.kramerAV.com
info@kramerel.com

K-CamHD PTZ Camera

Congratulations on purchasing your Kramer **K-CamHD PTZ Camera** (Pan Tilt Zoom camera). **K-CamHD** provides great image quality, even in low-light conditions, and easy access to medium and large size conferencing. **K-CamHD** combines 1080p image quality, 12x optical zoom, intelligent color optimization technology, ultra-low CMOS image sensors as well as 2D and 3D DNR technology.

Control **K-CamHD** via the IR remote controller, or the RS-232. Go to www.kramerav.com/downloads/K-CamHD to download the latest user manual and check if firmware upgrades are available.

Get to know your K-CamHD

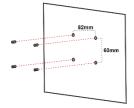| #	Feature		Function
1	Camera		High quality Camera.
2	Tilting Mechanism		Can be set to any of 255 preset positions.
3	STANDBY LED		Lights green when the camera is in standby mode.
4	POWER LED		Lights green when the power is on.
5	USB 3 Type B Port		Connect to a PC.
6	LINE IN		Connect to a microphone.
7	RS-232 8-pin	IN	Connect to a device with an RS-232 port (for example, a system controller).
8	DIN Connectors	OUT	Connect to a device with an RS-232 port (for example, a camera).
9	12V DC Power Connector		Connect to the 12V power adapter.

Mounting K-CamHD

You can mount **K-CamHD** on the wall, the ceiling or place it on a tabletop. The built-in gravity sensor automatically corrects the image orientation.
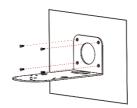
⚠️
- Ensure that the environment (e.g., maximum ambient temperature, humidity & air flow) is compatible for the device.
- Avoid exposing the product to direct sunlight or any other heat source.
- Keep away from children – product includes small accessories and components.
- Avoid uneven mechanical loading.
- Do not insert any sharp objects into the product.
- Avoid dropping or hitting the product to avoid damaging the product.
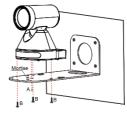- For maintenance, call tech support.

To attach K-CamHD 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-CamHD

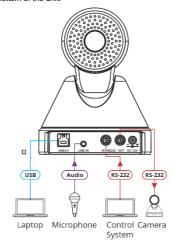Always switch OFF the power on each device before connecting it to your **K-CamHD**.

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

⚠️
Safety Instructions (See www.kramerav.com for updated safety information)

Caution:
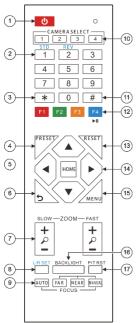- There are no operator serviceable parts inside the unit.

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 and configuring K-CamHD via the IR remote controller

K-CamHD IR Remote Controller

Shortcut Keys

*+#+1: OSD default (English)

*+#+3: OSD default (Chinese)

*+#+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	*		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-CamHD** 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	#		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.	