

KRAMER



User Guide

MODEL:

K-180Mini

USB Panoramic Camera



P/N:



2900-301532QS

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

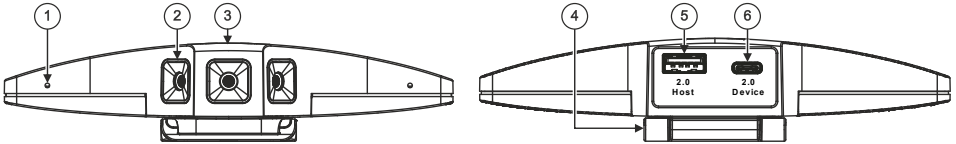
info@kramerel.com

K-180Mini USB Panoramic Camera

Congratulations on purchasing your Kramer K-180Mini USB Panoramic Camera. K-180Mini provides a 180° field of view with full-picture immersive technology that provides wall-to-wall coverage, delivering high quality images in 4K UHD.

K-180Mini can be operated via the K-Studio App (www.kramerav.com/downloads/K-180Mini) or simply via the top tap button.

Get to know your K-180Mini



#	Feature	Function
1	Microphone	2-array microphone for audio communication, recording or conferencing, with a pick-up distance of up to 4m.
2	Camera	Three 12-MP cameras for producing high resolution panoramic video for conferencing.
3	Top Touch Button	Press to select any of the following operation modes.
		Panoramic View 180° view of the meeting room.
		Grid View Screen is split to several sections.
		Normal View Zoomed panoramic view.
		Split View Normal view on top and panoramic view below.
	Composite View Panoramic view on top and on 3 sections below.	
4	Fixed Bracket	Place over the screen edge.
5	HOST USB 2.0 Type A Port	Optionally, connect to an additional USB device.
6	DEVICE USB-C 2.0 Port	Connect to a computer (for example to capture the video).

Mounting K-180Mini

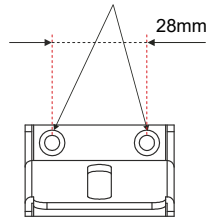
Install K-180Mini using one of the following methods by attaching the fixed bracket to the screen edge or attach to the wall using the wall bracket (to attach to the screen edge, unfold the fixed bracket then fit in on the screen)



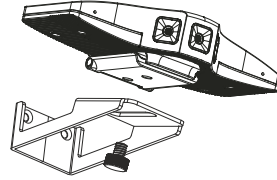
- Ensure that the environment (e.g., maximum ambient temperature, humidity & air flow) is compatible for the device.
- Avoid exposing the product to direct sunlight or any other heat source.
- Keep away from children – product includes small accessories and components.
- Avoid uneven mechanical loading.
- 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-180Mini onto a wall:

1. Find the correct location on the wall.
2. In the desired location, drill 2 holes 28mm apart (using a 6mm drill-bit).
3. Insert the 2 rubber expansion-plugs into the holes.



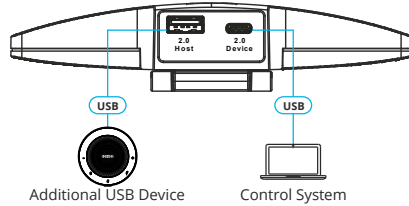
- Attach the wall bracket to the wall, using the two bracket screws.
- Slide the fixed bracket to the wall bracket and fasten using the thumb screw.



USB Host Options

The USB 2.0 host connection allows connecting any additional USB device, or a Bluetooth dongle (for example, of a speakerphone or mouse) allowing a single USB connection to the computer.

Always switch OFF the power on each device before connecting it to your **K-180Mini**.



To achieve specified extension distances, use the recommended Kramer cables available at www.kramerav.com/product/K-180Mini. Using third-party cables may cause damage!

Connecting the Power

K-180Mini is powered via USB-C.

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



Caution:

- There are no operator serviceable parts inside the unit.

Warning:

- 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.

Operating K-180Mini for the First Time

You can operate **K-180Mini** manually via the top configuration button on the camera, or via your PC, using the **K-Studio** app (see www.kramerav.com/downloads/K-180Mini).



We recommend using **K-Studio** either for executive offices where a computer with **K-Studio** installed is handy, or in specific cases where a computer is set in the meeting room and dedicated speaker tracking is necessary or if a whiteboard in the room needs to be displayed separately.

To operate K-180Mini:

- Connect the device via USB to the control system or computer.
The device can also be recognized as a storage drive. A link to downloading the **K-Studio** software is then available.
- Download the **K-Studio** and install it, or close the window and use **K-180Mini** manual configurations via the Tap button only.
- Open your video conferencing solution (for example, Microsoft Teams).
- Click Settings>Devices, and then select the camera type:
 - K-180Mini** – enables manually controlling the camera when connected directly to USB.
 - K-Studio Camera** (only if installed) – enables advanced camera configurations.

K-180Mini is ready for operation.

Use **K-180Mini** tap button to select one of the five available modes:

Composite View – The screen displays a panoramic view.



Normal View – The screen shows a zoomed panoramic view.



Grid View – Displays 4 areas to view.



Panoramic View – shows a 180° view of the meeting room.



Split View – shows the normal view on top and a panoramic view below.



Technical Specifications

Ports	1 USB 2.0 type A	On a USB connector
	1 USB-C 2.0	On a USB-C connector
Video	Output Formats	MJPEG; H.264; YUY2
	Resolutions	YUY2 (30fps): 640x480, 640x360, 480x270, 352x288, 320x240
		MJPEG (30fps): 3840x2160(24fps), 3840x1376, 3840x962, 2560x1440, 1920x1080, 1280x720, 1024x576, 960x544, 640x480, 640x360
		H264 (30fps): 1280x720, 1024x576, 960x544, 640x480, 640x360
Focus	Method	Fixed
	Distance	1.5 meters
Camera	Max. Field of View (FOV)	180
	Depth of Field (DOF)	0.5 to 5 meters
Microphone	Aperture	2.2
	Minimum Illumination	10Lux
	Quantity	2
Controls	Pickup Distance	Up to 4 meters
	Top Button	Selectable layouts
Power	App	Layout configuration via PC
	Consumption	5V DC, 1.5A max.
Environmental Conditions	Operating Temperature	0° to +40°C (32° to 104°F)
	Storage Temperature	-20° to +60°C (-4° to 140°F)
	Humidity	10% to 90%, RHL non-condensing
	Altitude	Below 5000 meters
Regulatory Compliance	Safety	CE, FCC
	Environmental	RoHs, WEEE
Enclosure	Type	Aluminum
General	Net Dimensions (W, D, H)	14.7cm x 7.4cm x 3.5cm (5.8" x 2.9" x 1.4")
	Shipping Dimensions (W, D, H)	17.6cm x 17.6cm x 4.6cm (6.9" x 6.9" x 1.8")
	Net Weight	0.24kg (0.53lbs) approx.
	Shipping Weight	0.59kg (1.3lbs) approx.
Accessories	Included	1 USB-C cable, wall bracket, screws set

Specifications are subject to change without notice at www.kramerav.com