



KRAMER

K-Cam4K

4K PTZ Camera & 4K UHD camera,
71-degree Wide-angle Lens & 12 Times
Optical Zoom



Ultra-HD camera for premium-clarity video in large spaces. Put every meeting in sharp focus with crystal-clear, ultra-high-definition video capture and advanced, yet easy, control. 4K resolution, high-power optical and digital zooms, smooth PTZ operation and multiple outputs, the K-Cam4K takes video conferencing to a new level

FEATURES

Superior video at any distance -

Wide-angle image capture with advanced PTZ control enables dynamic coverage of medium and large spaces, such as boardrooms, classrooms, and auditoriums

Best-in-class image clarity and highly accurate close-ups, with 4K60 resolution and 12x optical zoom plus 16x digital zoom

Enhanced video quality, even in low-light conditions, with industry-leading CMOS image sensing with 2D and 3D digital noise reduction (DNR)

Easy configuration and control -

All operation, including pan, tilt and zoom, are easily controlled from any Kramer control interface and/or the compact remote control

Multiple ports including RS-232, RJ-45, HDMI 1.4, and USB 3.0 deliver 4K video at up to 60 fps

Works seamlessly with virtually all meeting applications

Fast and simple setting of camera angle, with a choice of 255 pre-set camera positions



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TECHNICAL SPECIFICATIONS

Ports	<p>USB 3.0: On a USB type B connector Up to 4K@30fps compressed video and 1080P original video can be output</p> <p>RS-232 IN: On an 8-pin Min DIN, Max Distance: 30m, Protocol: VISCA / Pelco-D / Pelco-P</p> <p>RS-232 OUT: On an 8-pin Min DIN, Max Distance: 30m, Protocol: VISCA / Pelco-D / Pelco-P</p> <p>RJ-45: 10/100/1000M Adaptive Ethernet Port</p> <p>RS-485: On a 2-pin phoenix connector, Max Distance: 1200m, Protocol: VISCA / Pelco-D / Pelco-P</p> <p>Audio Line In: On a 3.5mm mini jack</p> <p>HDMI: On an HDMI connector</p> <p>3G-SDI: On a BNC connector, 800mVp-p, 75Ω. Along to SMPTE 424M standard</p>
Camera	<p>Video System: HDMI: 1080P60, 1080P50, 1080I60, 1080I50, 1080P30, 1080P25, 720P60, 720P50, 1080P29.97, 1080I59.94, 1080P59.94, 720P59.94, 4KP29.97, 4KP25, 4KP30</p> <p>Video System: 3G-SDI: 1080P60, 1080P50, 1080I60, 1080P59.94, 1080I59.94, 1080I50, 1080P30, 1080P29.97, 1080P29.97, 1080P25, 720P60, 720P59.94, 720P50</p> <p>Sensor: 1/2.5 inch, CMOS, Max Effective Pixel: 8.51M</p> <p>Scanning Mode: Progressive</p> <p>Lens: 12x, f = 4.4mm ~ 52.8mm, F1.8 ~ F2.6</p> <p>Digital Zoom: 16x</p> <p>Minimal Illumination: 0.5 Lux @ (F1.8, AGC ON)</p> <p>Shutter: 1/30s ~ 1/10000s</p> <p>White Balance: Auto, Indoor, Outdoor, One Push, Manual</p> <p>Backlight Compensation: Support</p> <p>Digital Noise Reduction: 3D Digital Noise Reduction</p> <p>Video S/N: ≥55dB</p> <p>Horizontal Angle of View: 71° ~ 8.2°</p> <p>Vertical Angle of View: 42.7° ~ 4.5°</p> <p>Horizontal Rotation Range: ±170°</p> <p>Vertical Rotation Range: ±30°</p> <p>Pan Speed Range: 1.6°/s ~ 76°/s</p> <p>Tilt Speed Range: 0.5°/s ~ 15°/s</p> <p>H & V Flip: Support</p> <p>Image Freeze: Support</p> <p>Number of Presets: 255</p> <p>Preset Accuracy: 0.1°</p>

USB Features	Video Format: YUY2: max to 1080P@30fps
	Video Format: H.264 AVC/SVC: max to 2160P@30fps
	Video Format: MJPEG: max to 4K@30fps
	Operating System: Windows 7, Windows 8, Windows 10, Mac OS X, Linux, Android
	Color System / Compression: YUY2 / MJPEG / H.264 / H.265
	USB Audio: Support
	USB Video Communication Protocol: UVC 1.1~1.5
Network	UVC PTZ: Support
	Video Compression: H.264/H.265/MJPEG
	Video Stream: First Stream, Second Stream
	First Stream Resolution: 3840x2160, 1920x1080, 1280x720, 1024x576, 720x480, 720x408, 640x480, 640x360
	Second Stream Resolution: 720x480, 720x408, 640x480, 640x360, 480x320, 320x240
	Video Bit Rate: H264: ~60Mbps MJPEG: ~200Mbps
	Bit Rate Type: Variable Rate, Fixed Rate
	Frame Rate: 50hz: 4K max to 30fps, 1080P max to 50fps 60hz: 4K max to 30fps, 1080P max to 60fps
	Audio Compression: G711A, AAC
	Audio Bit Rate: 96K, 128K
Controls	Protocols: TCP/IP, HTTP, RTSP, RTMP/RTMPS, ONVIF, DHCP, SRT, Multicast
	IR Remote Control Transmitter: OSD
	Web Interface: Embedded webpages
Power	Source: 12V DC, 2A max
	Consumption: 12W max
Environmental Conditions	Operating Temperature: -10° to +40°C (14° to 104°F)
	Storage Temperature: -40° to +60°C (-40° to 140°F)
	Humidity: 10% to 90%, RHL non-condensing
	Altitude: Below 5000 meters
Regulatory Compliance (Standards Compliance)	Safety: CE, FCC
	Environmental: RoHs, Reach
Enclosure	Type: Aluminum and plastic
General	Net Dimensions (W, D, H): 14.5cm x 9.8cm x 15cm (5.7" x 3.9" x 5.9")
	Shipping Dimensions (W, D, H): 23cm x 23cm x 25cm (9" x 9" x 9.8")
	Net Weight: 0.94kg (2.1lbs) approx
	Shipping Weight: 2.6kg (5.7lbs) approx
Accessories	Included: Power adapter and cord, IR remote control transmitter, 1 USB 3.0 cable, wall bracket kit, adn lens cover
Product Dimensions	23.50cm x 14.50cm x 17.00cm (9.25" x 5.71" x 6.69") W, D, H
Product Weight	1.4kg (3.1lbs) approx

Shipping Dimensions 30.00cm x 24.50cm x 24.50cm (11.81" x 9.65" x 9.65") W, D, H

Shipping Weight 3.4kg (7.4lbs) approx

