

Key Digital® AV over IP Solutions Selection Guide

Key Digital's **AV over IP Solutions** create expandable AV over IP systems that can be scaled to fit any size installation or project.



Encoder Tx / Decoder Rx	Encoder (ENC)	Decoder (DEC)	Encoder (ENC)	Decoder (DEC)	Encoder (ENC)	Decoder (DEC)	Encoder (Tx)	Decoder (Rx)
System Build* / Compatibility	KD-IP1022ENC/DEC Only. Independent Audio, Video, USB Switching		Mix & Match KD-IP922ENC/DEC with KD-IP822ENC/DEC				KD-IP1080Tx/Rx Only	
Video Resolution	4K (10G)	4K (10G)	4K (10G)	4K (10G)	4K (10G)	4K (10G)	1080p	1080p
Audio	External L/R In, Audio De-Embed, Pre-Amp	Independent Switch, Audio De-Embed, Pre-Amp	External L/R In, Audio De-Embed, Pre-Amp	Audio De-Embed, Pre-Amp	HDMI Pass-Thru	HDMI Audio	HDMI Audio	HDMI Audio
Video Wall	Up to 16x16	Up to 16x16	Up to 16x16	Up to 16x16	Up to 16x16	Up to 16x16	-	-
Control	TCP/IP, LAN, RS-232, 3 port Compass MC, IR RS Pass-Thru, Open API	TCP/IP, LAN, RS-232, 3 port Compass MC, IR RS Pass-Thru, Open API	TCP/IP, LAN, RS-232, 3 port Compass MC, IR RS Pass-Thru, Open API	TCP/IP, LAN, RS-232, 3 port Compass MC, IR RS Pass-Thru, Open API	TCP/IP, RS-232, 2 port Compass MC, IR RS Pass-Thru, Open API	TCP/IP, RS-232, 2 port Compass MC, IR RS Pass-Thru, Open API	Via KD-CX800 Control Interface	Via KD-CX800 Control Interface
USB / KVM	1x USB-B (Host) for KVM, Data	Independent Switch, 2x USB-A (Device), KVM, Data	1x USB-B (Host) for KVM, Data	2x USB-A (Device) for KVM, Data	-	-	-	-
PoE	≤ 9W - Redundant Power Connection	≤ 9W - Redundant Power Connection	≤ 9W - Redundant Power Connection	≤ 9W - Redundant Power Connection	≤ 9W - Redundant Power Connection. PS Sold Separately.	≤ 9W - Redundant Power Connection. PS Sold Separately.	≤ 6W - Redundant Power Connection	≤ 6W - Redundant Power Connection
Compression	Motion Jpeg 2000 4K ≈ 850Mbps 1080p ≈ 250Mbps 720p ≈ 125Mbps	Motion Jpeg 2000 4K ≈ 850Mbps 1080p ≈ 250Mbps 720p ≈ 125Mbps	Motion Jpeg 2000 4K ≈ 850Mbps 1080p ≈ 250Mbps 720p ≈ 125Mbps	Motion Jpeg 2000 4K ≈ 850Mbps 1080p ≈ 250Mbps 720p ≈ 125Mbps	Motion Jpeg 2000 4K ≈ 850Mbps 1080p ≈ 250Mbps 720p ≈ 125Mbps	Motion Jpeg 2000 4K ≈ 850Mbps 1080p ≈ 250Mbps 720p ≈ 125Mbps	H.264 1080p ≈ 15Mbps 720p ≈ 12Mbps	H.264 1080p ≈ 15Mbps 720p ≈ 12Mbps
Latency	≈ 40ms @4K	≈ 40ms @4K	≈ 40ms @4K	≈ 40ms @4K	≈ 40ms @4K	≈ 40ms @4K	≈ 400ms @1080p	≈ 400ms @1080p

*use KD-SMS16 for rack mount



Key Digital HQ - North America
Phone: +1 914-667-9700
sales@keydigital.com

Key Digital Europe
Phone: +47 90-25-01-00
sales@keydigitaleurope.eu

Key Digital Asia Pacific
Phone: +91-9953-24-0867
Abhinav.Saxena@keydigital.com

www.keydigital.com