

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.



KD-IP1022ENC-II



KD-IP1022DEC-II



KD-IP922ENC-II



KD-IP922DEC-II



KD-IP1080Tx



KD-IP1080Rx



Encoder Tx / Decoder Rx	Encoder (ENC)	Decoder (DEC)	Encoder (ENC)	Decoder (DEC)	Encoder (Tx)	Decoder (Rx)
Signal Routing	Independent Audio, Video, USB	Independent Audio, Video, USB	Audio, Video, USB together	Audio, Video, USB together	Audio, Video together	Audio, Video together
Compatibility	Backward compatible with first-gen KD-IP1022 systems	Backward compatible with first-gen KD-IP1022 systems	Backward compatible w/ first-gen KD-IP822 & KD-IP922 systems	Backward compatible w/ first-gen KD-IP822 & KD-IP922 systems	Backward compatible w/ first-gen KD-IP120 systems	Backward compatible w/ first-gen KD-IP120 systems
Video Resolution	4K (10G)	4K (10G)	4K (10G)	4K (10G)	1080p	1080p
Audio	Analog & Digital de-embed with Analog Pre-Amp	Independent switching, audio de-embed with Pre-Amp	Analog & Digital de-embed with Analog Pre-Amp	Analog de-embed with Pre-Amp	HDMI Audio	HDMI Audio
Video Wall	Up to 16x16, with Mosaic Video Wall processing	Up to 16x16, with Mosaic Video Wall processing	Up to 16x16	Up to 16x16	-	-
Control	TCP/IP, LAN, RS-232, 3 port Compass Control® Pro Master Controller, IR RS Pass-Thru, Open API	TCP/IP, LAN, RS-232, 3 port Compass Control® Pro Master Controller, IR RS Pass-Thru, Open API	TCP/IP, LAN, RS-232, 3 port Compass Control® Pro Master Controller, IR RS Pass-Thru, Open API	TCP/IP, LAN, RS-232, 3 port Compass Control® Pro Master Controller, 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	≤ 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	H.264 1080p ≈ 15Mbps 720p ≈ 12Mbps	H.264 1080p ≈ 15Mbps 720p ≈ 12Mbps
Latency	≈ 40ms @4K	≈ 40ms @4K	≈ 40ms @4K	≈ 40ms @4K	≈ 400ms @1080p	≈ 400ms @1080p

*use KD-SMS16 for rack mount