

# Key Digital® Enterprise AV™ over IP Selection Guide

## ENTERPRISE AV™ OVER IP

AUDIO/VIDEO/CONTROL SOLUTIONS

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



KD-IP1022ENC



KD-IP1022DEC



KD-IP922ENC



KD-IP922DEC



KD-IP822ENC



KD-IP822DEC



KD-IP1080Tx



KD-IP1080Rx



Encoder Tx / Decoder Rx	Encoder (ENC)	Decoder (DEC)	Encoder	Decoder	Encoder	Decoder	Encoder (Tx)	Decoder (Rx)
<b>System Build* / Compatibility</b>	KD-IP1022ENC/DEC Only. Independent Audio, Video, USB Switching		Mix & Match KD-IP922ENC/DEC with KD-IP822ENC/DEC				KD-IP1080Tx/Rx Only	
<b>Video Resolution</b>	4K (10G)	4K (10G)	4K (10G)	4K (10G)	4K (10G)	4K (10G)	1080p	1080p
<b>Audio</b>	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
<b>Video Wall</b>	Up to 16x16	Up to 16x16	Up to 16x16	Up to 16x16	Up to 4 displays	Up to 4 displays	-	-
<b>Control</b>	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
<b>USB / KVM</b>	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	-	-	-	-
<b>PoE</b>	≤ 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
<b>Compression</b>	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
<b>Latency</b>	≈ 40ms @4K	≈ 40ms @4K	≈ 40ms @4K	≈ 40ms @4K	≈ 40ms @4K	≈ 40ms @4K	≈ 400ms @1080p	≈ 400ms @1080p

\*use KD-SMS16 for rack mount



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