

DB-UniStream-Tr Datasheet


Specifications

Encoder			
Specs		Description	
Product Name		UniStream-Tr KU Encoder	UniStream-Tr KM Encoder
			UniStream-Tr VA Encoder
Physical	Video Input	HDMI / 4K HDMI / 4K60 HDMI / DP / 4K DP / 4K60 DP / DVI-I x1	
	Video Loop out	HDMI / 4K HDMI / 4K60 HDMI / DP / 4K DP / 4K60 DP / DVI-I x1	
	Audio Input	3.5mm x1, HDMI/DP support embedded audio	
	Audio Loop out	Phoenix balanced audio x1, HDMI/DP embedded audio loop out	SDI embedded audio loop out
	Audio Output	3.5mm x1	
	IR	1x input, 1x output	
	Relay	2x relay control port, max switch voltage 125VAC/60VDC, max switch currency 2A, max switch power 62.5VA/30W	
	Level Input	1x level input detection port	
	Network Port	1x LC and 2x RJ45 network port as redundancy, data rate 1000Mbps	
	POE	Support	
	Serial	Baud rate 9600, 19200, 38400, 57600, 115200	
	LCD Screen	Display endpoint IP and MAC address	
	Push Button	2x push buttons, support functionalities customization	
	KM	1x USB Type B for KVM control	1x USB Type B for KVM control
USB Data	Support	/	/
Encoding	Network Protocol	IP / UDP / IGMP/TCP/RTSP	
	Chroma Sampling	YUV4:4:4	
	Codec	VC2, H264 or H.265	
	Distribution	Multi-cast (VC2, H.264 or H.265), Unicast (H.264 or H.265)	
	Data rate	VC2: 300M~900Mbps H.264 or H.265: 256Kbps~40Mbps	
	Capacity	1x video encoding based on original signal size, 1x audio encoding 4K input is 4K~D1, 2K input is 1080P~D1	
Audio	Codec	AAC, G711a, PCM	
	Data Rate	PCM: 1Mbps AAC, G711a: 128Kbps	

	Transmission	support embedded into video, or transfer and switch separately from video
	Sampling	48K
Environment	Dimension	212.6(W)x 204.1(D)x 40.4(H) (mm)
	Power	24W
	Net Weight	1Kg
	Power supply	DC 12V±10%, or POE
	Temperature	0-50℃ (working), -10~60℃ (Storage)
	Humidity	10%~80% (working), 10%~90% (Storage)

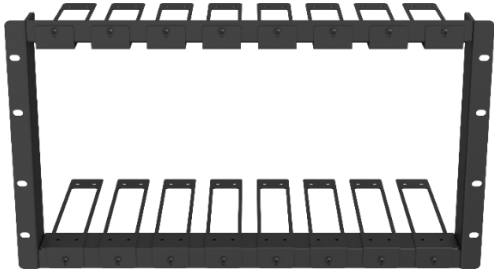
Decoders					
Specs		Description			
Product Name		UniStream-Tr KU Decoder	UniStream-Tr KM Decoder	UniStream-Tr VW Decoder	UniStream-Tr VA Decoder
Physical	Video Output	HDMI / 4K HDMI / 4K60 HDMI / DP / 4K DP / 4K60 DP / DVI-I x1			Additional SDI x1
	Audio Output	3.5mm x1, phoenix balanced x1, HDMI/DP embedded audio			Additional SDI embedded audio
	Audio Input	3.5mm x1, microphone input x1		/	3.5mm x1, microphone input x1
	IR	1x input, 1x output			
	Relay	2x relay control port, max switch voltage 125VAC/60VDC, max switch current 2A, max switch power 62.5VA/30W			
	Level Input	1x level input detection port			
	Network Port	1x LC and 2x RJ45 network port as redundancy, data rate 1000Mbps		2x RJ45 network port, data rate 1000Mbps	1x LC and 2x RJ45 network port as redundancy, data rate 1000Mbps
	Serial	Baud rate 9600, 19200, 38400, 57600, 115200			
	POE	Support			
	LCD Screen	Display endpoint IP and MAC address			
	Push Button	2x push buttons, support functionalities customization			
	USB 2.0	2x USB Type A, connect to keyboard and mouse		/	/
USB Data	2*USB Type A, connect to USB-hid devices		/	/	
Video	Network Protocol	IP/ UDP/ IGMP/ TCP/ RTSP			
	Codec	VC2: 300M~900Mbps H.264 or H.265: 256Kbps~40Mbps			

	Chroma Sampling	YUV4:4:4		
	Distribution	Multi-cast (VC2, H.264 or H.265), Unicast (H.264 or H.265)		
	Complexity	H.265: Main profile H.264: Baseline/ Main/ High profile		
	Capacity	Single view or quad-view display, resolution up to 4K	Up to 4x layers per screen, support resize, PIP, overlay. Or 9/16 multiview.	1/4/9/16 multiview.
Audio	Codec	AAC, G711a, PCM		
	Data Rate	PCM: 1Mbps AAC, G711a: 128Kbps		
	Transmission	Support embedded into video, or transfer and switch separately from video, support up to 4x audio mix	Up to 4x audio mix	Support embedded into video, or transfer and switch separately from video
	Sample	16KHz, 32KHz, 44.1KHz, 48KHz		
Environment	Dimension	212.6(W)x 204.1(D)x 40.4(H) (mm)		
	Power	24W		
	Net Weight	1Kg		
	Power supply	DC 12V±10%, or POE		
	Temperature	0-50℃ (working), -10~60℃ (Storage)		
	Humidity	10%~80% (working), 10%~90% (Storage)		

1.5U Chassis	
Specs	Description
Appearance	
Product Name	1.5U Chassis
Dimensions (Wx Dx H)	444x 247.3x 66(mm), without mounting hangers 482.6x 247.3x 66(mm), with mounting hangers
Input Voltage	110-240VAC, 50/60Hz





Output Voltage	DC12V
Output Power	120W(Max)
Power supply efficiency	93.0%
Weight	5kg (fully loaded)
Capacity	4
Temperature	0-50°C (working), -10~60°C (Storage)
Humidity	10%~80% (working), 10%~90% (Storage)

1U Tray	
Specs	Description
Appearance	
Product Name	1U Tray
Dimensions (Wx Dx H)	444x 200x 42.5(mm) without mounting hangers 483x 200x 42.5(mm) with mounting hangers
Weight	1.1kg (Tray only)
Capacity	2 nodes

6U Tray	
Specs	Description
Appearance	
Product Name	6U Tray
Dimensions (Wx Dx H)	482.6x 200.8x 266mm(Depth after nodes loaded) 482.6x 42x 266mm (Tray only)
Weight	1.972kg (tray plus 16x mounting hangers and screws) 1.348kg (Tray only)
Capacity	8x nodes

Appearance

Encoders	
Type	Appearance
KM Encoder. Support KVM	 A black, rack-mountable KM Transmitter device. The front panel features a USB Type-A port, a USB Type-B port, a power button, and several status LEDs. On the right side, there are two RJ45 ports labeled 'NET1' and 'NET2', and a fiber optic SFP port labeled 'FIBER'.
KU Encoder, support KVM and USB data	 A black, rack-mountable KU Transmitter device. The front panel features a USB Type-A port, a USB Type-B port, a power button, and several status LEDs. On the right side, there are two RJ45 ports labeled 'NET1' and 'NET2', and a fiber optic SFP port labeled 'FIBER'.
VA Encoder, video and audio encoder	 A black, rack-mountable VA Transmitter device. The front panel features a USB Type-A port, a USB Type-B port, a power button, and several status LEDs. On the right side, there are two RJ45 ports labeled 'NET1' and 'NET2', and a fiber optic SFP port labeled 'FIBER'.

Decoder	
Type	Appearance
KM Decoder, support KVM	 A black, rack-mountable KM Receiver device. The front panel features a power button, a power indicator LED, and several status LEDs. On the right side, there are two RJ45 ports labeled 'NET1' and 'NET2', and a fiber optic SFP port labeled 'FIBER'.
KU Decoder, support KVM and USB data	 A black, rack-mountable KU Receiver device. The front panel features a power button, a power indicator LED, and several status LEDs. On the right side, there are two RJ45 ports labeled 'NET1' and 'NET2', and a fiber optic SFP port labeled 'FIBER'.
AV Decoder, audio and video decoder	 A black, rack-mountable VA Receiver device. The front panel features a power button, a power indicator LED, and several status LEDs. On the right side, there are two RJ45 ports labeled 'NET1' and 'NET2', and a fiber optic SFP port labeled 'FIBER'.
VW Encoder, with video wall controller features	 A black, rack-mountable VW Receiver device. The front panel features a power button, a power indicator LED, and several status LEDs. On the right side, there are two RJ45 ports labeled 'NET1' and 'NET2', and a fiber optic SFP port labeled 'FIBER'.