

UTP VGA, PS2 Keyboard & Mouse Extender

Model: VKMU300-PS2 PS2 Connector
VKMU300-USB USB Connector

The VKMU300-PS2/VKMU300-USB extender includes a host unit and a remote unit which are connected by standard UTP cable. The host unit receives one channel VGA video and one pair of PS2/USB keyboard and mouse signals, providing two channels UTP output for transmission.

On the remote side, the remote unit receives two channels of UTP signal, and provides one port VGA output and one set of PS2/USB outputs for keyboard and mouse. The video quality can be adjusted manually with ADJ adjustor based on different distance with a resolution of up to 1280x1024 @ 60Hz for 230ft / 70m.

Features:

- Extends VGA video, keyboard and mouse signals
- Transmission distance of up to 330ft / 100m
- Transmission via UTP cable; Real-time transmission
- Image quality can be adjusted with ADJ adjustor based on different distance
- High video resolution depends on the length and quality of UTP cable with standard resolution 1024x768 and up to 1280x1024 @ 60Hz
- Exceptional interference rejection; Built-in transient protection
- Multiplatform support: supports PC, Mac, Sun, and Linux systems.
- Supports VGA, SVGA, XGA, SXGA and Multisync monitors.
- OS Support: Windows 2000, Windows XP, Linux, Mac and Sun

Components are Made In USA for this product:

Name of Component	Manufacturer
Data Communication	Texas Instruments
Video Signal Disposal	Texas Instruments

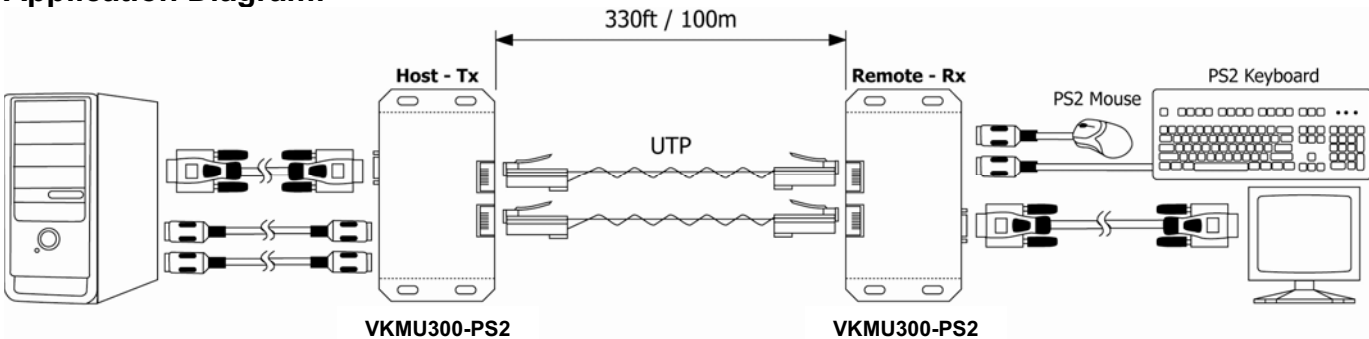
Components are Made In Netherlands for this product:

Name of Component	Manufacturer
Video Signal Disposal	NXP

R&D Designed in Taiwan
 Assembled in China



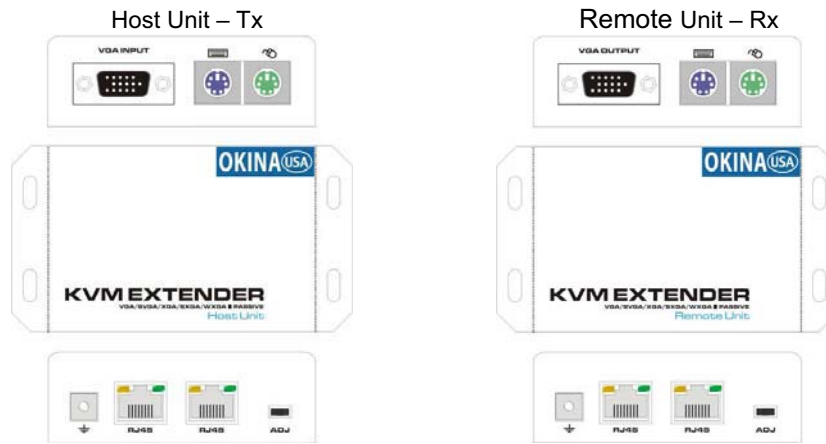
Application Diagram:



VKMU300-PS2 / VKMU300-USB	Max. Distance via UTP Cable	Hz
800x600 pixels	330ft / 100m	60Hz
1024x768 pixels	250ft / 75m	60Hz
1280x1024 pixels	230ft / 70m	60Hz

NOTE: The product picture, application diagram, and panel view graphics are for PS2 connection model only

Panel View:



Specification:

Host Unit - Tx

Model		VKMU300-PS2	VKMU300-USB
Transmission Properties	Signal Output Connectors	2 × RJ45	
	Signal Band	<350MHz (-3dB)	
	Transmitting Cable	UTP	
	Resistance	50Ω	
Video Properties	Video Input Connector	15 pin HDB Female	
	Resistance	75Ω	
	Synchronous Signal	0-5V,TTL PWL	
	Synchronous Signal Band	1K-200KHz	
	DDC2	Supports DDC2	
Surge Protections	Video Output Protection	2KV (common mode), 10/700μs IEC6100-4 2/1955 (GB/T 1726, 5-1999)	
	Video Input Protection	2KV (different mode), 2KV (common mode) IEC6100-4 2/1955 (GB/T 1726, 5-1999)	
	Video Input Protection for Over Current	100mA	
Keyboard and Mouse Properties	Keyboard Input	PS2 6 Pin-DIN Female (Green)	USB
	Mouse Input	PS2 6 Pin-DIN Female (Purple)	USB
Stability	MTBF	>20,000h	
Physical Properties	Dimensions (L×W×H)	4.09" × 2.76" × 1.10" 104 × 70 × 28mm	
	Housing Material	Metal	
	The Color of Unit	Black	
Weight	Net Weight	0.34 lbs / 156 g	
Environment	Operating Temperature	32°F ~ 122°F / 0°C ~ 50°C	
	Relative Humidity (non-condensing)	10~85%	
	Storage Temperature	14°F ~ 176°F / -10°C~80°C	
Accessories	Cables	1x VGA and 2x PS2 Cable	

Remote Unit - Rx

Model		VKMU300-PS2	VKMU300-USB
Transmission Properties	Signal Input Connectors	2 × RJ45	
	Signal Band	<350MHz (-3dB)	
	Transient Protection	1KV Common Mode (10/700μs) IEC6100-4-5	
Video Properties	Video Output Connectors	15 pin HDB Female	
	Resistance	75Ω	
	Synchronous Signal	0-5V,TTL PWL	
	Synchronous Signal Band	1K-200KHz	
	DDC2	Supports DDC2	
Surge Protections	Video Output Protection	2KV (common mode), 10/700μs IEC6100-4 2/1955 (GB/T 1726, 5-1999)	
	Video Input Protection	2KV (different mode), 2KV (common mode) IEC6100-4 2/1955 (GB/T 1726, 5-1999)	
	Video Input Protection for Over Current	100mA	
Keyboard and Mouse Properties	Keyboard Output	PS2 6 Pin-DIN Female (Green)	USB
	Mouse Output	PS2 6 Pin-DIN Female (Purple)	USB
Stability	MTBF	>20,000h	
Physical Properties	Dimensions (L×W×H)	4.09" × 2.76" × 1.10" 104 × 70 × 28mm	
	Housing Material	Metal	
	The Color of Unit	Black	
Weight	Net Weight	0.34 lbs / 156 g	
Environment	Operating Temperature	32°F ~ 122°F / 0°C ~ 50°C	
	Relative Humidity (non-condensing)	10~85%	
	Storage Temperature	14°F ~ 176°F / -10°C~80°C	
Packing	Box Size (L×W×H)	8.07" x 6.02" x 2.76" 205 × 153 × 70mm	

*Specifications are subject to change without notice

FCC CE RoHS

R&D Designed in Taiwan

Components are Made in USA: Data Communication (Texas Instruments), Video Signal Disposal (Texas Instruments)

Components are Made in Netherlands: Video Signal Disposal (NXP)

Assembled in China

⚠ Caution:

- All devices must be properly grounded.
- Do not connect this device to any power source.
- Do not handle the unit with wet hands.
- The unit is not waterproof and should not be used outdoors.

Cabling Systems & Solutions

Rev052709

UTP = Unshielded Twisted Pair