

# 3G ULTRA 718KVM Transmitter

VBS-HDIP-718KVM

Just Add  
**Power**

## Incorporate Keyboard, Touchscreen and Mouse Control with Optional Dolby Downmixing.

The 3G Ultra 718KVM Transmitter supports KVM and stereo audio breakout, along with all the 4K system wide features from the 3G Ultra product line.

The Transmitter is upgradable in the field to provide Dolby Digital downmixing.\*

The 718KVM encodes a 4K or lower-resolution source device into an IP signal and sends it over the network with ultra-low latency and instant switching; supports HDCP 2.2 and USB 2.0; and features image pull, stereo audio output 3.5mm with adjustable delay, and RS-232, IR, and CEC control of sources.



### Features

#### Audio

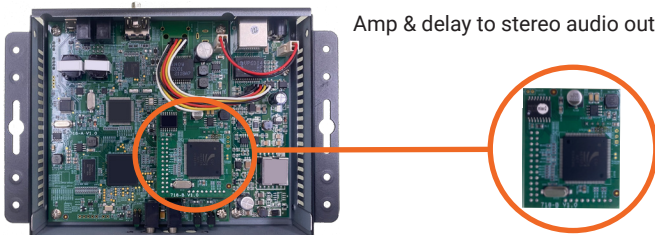
Stereo audio output  
(Requires compatible HDMI signal)

#### Dolby Chip Upgrade

Field-modifiable upgrade to add-on:  
Dolby Digital down-mixing chip

Mic-In and Line-In mixable with  
HDMI audio

Amp & delay to stereo audio output



#### Integrated Endpoint Control

Control endpoints with RS232, IR, and CEC

#### Image Pull

Preview an image from any source or display, in any web browser or control system, at up to 10 fps

#### KVM Support

Provides local and remote access to all computers on the system with a built-in keyboard, mouse and touchscreen interface

#### Scalability

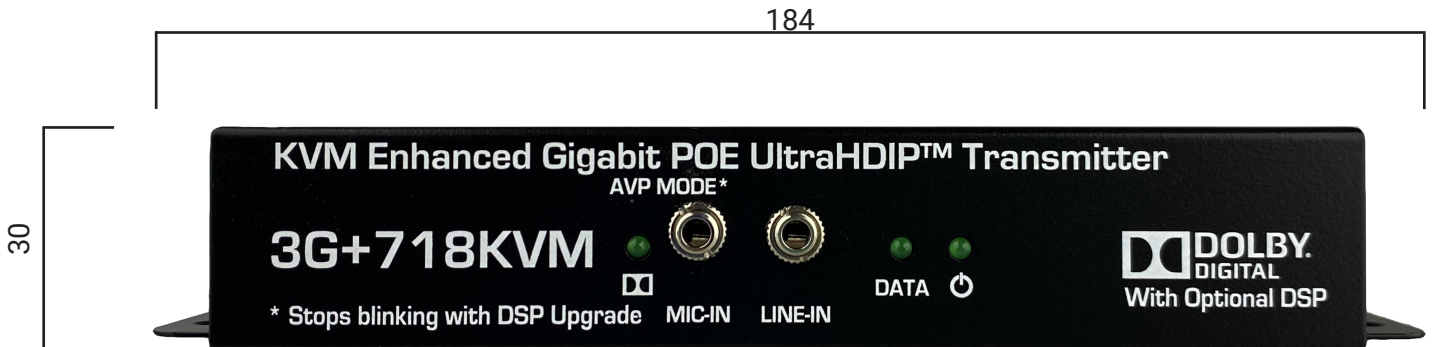
Fully compatible with all 3G Ultra products

# 3G ULTRA 718KVM Transmitter

VBS-HDIP-718KVM

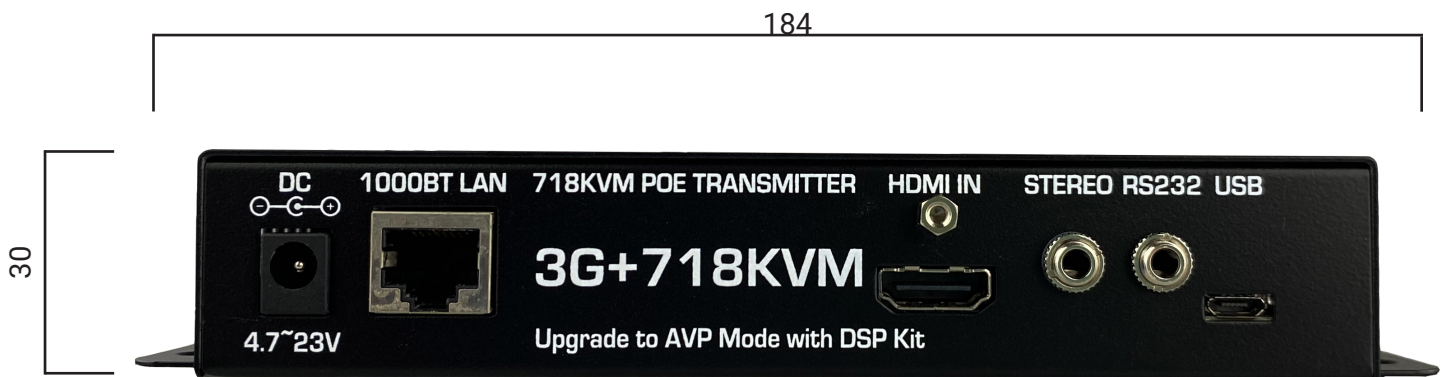
Just Add  
**Power**

## Front of Device:



All measurements in millimeters (mm)

## Back of Device:



All measurements in millimeters (mm)

## Specifications

<b>Bandwidth</b>	180-500 Mbps	<b>POE</b>	10 watts maximum
<b>Compliance</b>	HDCP 2.2 RoHS/FCC/CE	<b>Ports</b>	Gigabit Ethernet HDMI In 3.5mm Line-In 3.5mm Mic-In 3.5mm Stereo Out 3.5mm RS232 w/null modem Micro-USB 2.0
<b>Dimensions &amp; Weight</b>	184 x 30 x 126 mm 7.2 x 1.2 x 5.0 inch 0.45kg / 1.0 lb	<b>Power Supply (not included)</b>	~4.7-23V 5.5mm/2.1mm, positive tip
<b>Encryption</b>	AES-128 Encryption	<b>Supported Audio</b>	2-channel PCM * With add-on: Dolby Digital 5.1
<b>Operating Temp</b>	0-60 °C / 32-140 °F	<i>* Upgrade available once Dolby chips are in stock</i>	

## Specifications

### Encoding/Decoding

<b>Video Codec</b>	AGIC-G1 Proprietary Visually Lossless Video Codec
<b>Audio Codec</b>	Proprietary I2S Lossless Audio Codec
<b>Bit Rates</b>	300 to 850 Mbps
<b>Latency</b>	Ultra-low latency 16ms @ 1080p60 & 720p60 33ms @ 4K30
<b>Streaming Protocols</b>	IP, UDP, TCP, ICMP, IGMP
<b>Copy Protection</b>	HDCP 2.2, AES-128 Encryption

### Video

<b>Maximum Resolutions</b>	High Dynamic Range HDR10 4K30 4:4:4 HDR 8-bit 4K30 4:2:0 HDR 12-bit 1080p60 4:4:4 HDR 12-bit
<b>Input Signal Types (Encoder)</b>	HDMI
<b>Output Signal Types</b>	HDMI
<b>Scaler (Decoder)</b>	720p up to 4K30 with many options inbetween

### Audio

<b>Input Signal Types</b>	HDMI, Analog Stereo
<b>Output Signal Types</b>	HDMI, Analog Stereo
<b>Digital Formats</b>	Dolby Atmos, DTS:X, Dolby TrueHD, DTS-HD, Dolby Digital, Dolby Pro Logic, DTS, LPCM up to 8 channels
<b>Analog Formats</b>	Stereo 2-channel up to 96 kHz

### Power

<b>Power Consumption</b>	10 watts maximum during operation 0 watts when idle
--------------------------	--

### Compliance

CE, FCC, RoHS

### Communication & Control of External Devices

<b>Ethernet</b>	1Gb RJ-45 for control and AV
<b>USB</b>	USB 2.0
<b>Serial/RS-232</b>	Bi-directional control and monitoring
<b>HDMI</b>	CEC, EDID (Transmitter)
<b>Infrared (IR)</b>	Available with add-on

### Connectors

<b>LAN</b>	8-pin female RJ-45 1000Base-T POE (802.3af)
<b>HDMI Input</b>	HDMI Type A female
<b>HDMI Outputs (Transmitter loopout &amp; Receiver output)</b>	HDMI Type A female
<b>RS232</b>	3.5mm female
<b>Stereo Output</b>	3.5mm female
<b>USB (Receiver)</b>	USB Type-A female (x2)
<b>USB (Transmitter)</b>	Micro-USB female (x1)

### Environmental

<b>Cooling</b>	Convection / no fan (no moving parts)
<b>Temperature</b>	0-60 C / 32-140 F
<b>Heat Dissipation</b>	34 BTU/hr
<b>Acoustic Noise</b>	0 dBA