

PIP / PbP  
4K / QHD

# VKSCM-221



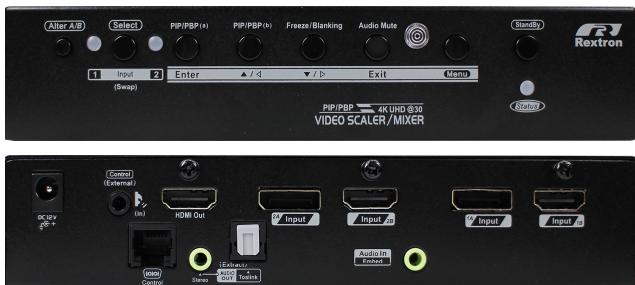
## 2 Channel 4K Multi-Format Switch with 4K Scaler, PIP, PbP, Audio Embed, Audio Extract, IR Control, Serial Control

### Specifications

<b>Model Number</b>	<b>VKSCM-221</b>
<b>MAX Resolution</b>	3840x2160@30Hz ( 4:4:4 ) 2560x1440@60Hz ( 4:4:4 )
<b>Video In</b>	Channel 1 : DP x 1 ( A ) , HDMI x 1 ( B ) Channel 2 : DP x 1 ( A ) , HDMI x 1 ( B )
<b>Video Out</b>	HDMI x 1
<b>Audio In</b>	3.5mm SPK Jack x 1 ( Embed )
<b>Audio Out</b>	3.5mm SPK Jack x 1 ( Extract ) , Toslink x 1 ( Extract )
<b>HDCP Compliance</b>	HDCP 1.4
<b>Push Buttons</b>	OSD Combo Control x 5, Select x 2, StandBy x 1
<b>OSD Control</b>	Resolution ( Scaling ) , Color, Size, Transparency, PIP/PbP, Compensation, System Controls
<b>IR Control</b>	IR Receiver x 1 ( Front ) 3.5mm External IR Input x 1 ( Rear )
<b>Serial Control</b>	RJ11 x 1 ( RS-232, Baud Rate = 38400bps )
<b>View Layouts</b>	PIP / PbP / Full-Screen
<b>PIP/PbP Presets</b>	Preset x 2 ( a / b )
<b>LED Indicators</b>	Input x 2, Status x 1
<b>Operation Environment</b>	0~40°C, Humidity<80% ( Storage : -20~60°C )
<b>Power Supply</b>	DC 12V
<b>H x W x D ( mm )</b>	175 x 110 x 35 ( Weight : 370g )
<b>Material</b>	Aluminum

### Features

- **Video DSP** Empowers Adjustments of PiP / PbP / 4K Scaling / Transparency / Color / Other Properties
- Users May Customize Preferred View Layouts by Tuning View Size / Location / Transparency
- **2 Preset Memories** Allow Quick Access to Preferred View Layouts
- **2 Channels** to Form PiP / PbP Views on 1 Display ( 2 Video Inputs for Each Channel, Seamless Swap ) ( Total 4 Inputs, HDMI x 2, DP x 2 )
- **Multi-Format Videos** Support Most Popular Resolutions Up to 4K@30Hz / QHD@60Hz
- **Freeze Function** Shows Single Frame of the Playing Video for Viewing Detailed Image
- **Blanking Function** Shows Black Image while Video Is Not Required
- **Mirror Function** Shows Vertical / Horizontal Reversed Video
- **Audio Embed** Allows Users to Insert Audio / MIC into the Video Stream ( e.g. Add Commentary )
- **Audio Extract** Facilitates Audio Amplifier Applications by Supplying Analog / SPDIF Out
- **Flexible Control Methods Including :**
  - IR Control
  - Serial Control ( RS-232 Baud Rate = 38400bps )
  - Front Push Button Control with OSD Menu
- **Plug-n-Play** Requires No Software, No Driver
- **HDCP Compliance** Ensures Proper Playback of 4K Video



### Product Family

Model	Video Inputs	Note
EVBM-K1029R	HDBT x 1, HDMI x 1	HDBaseT Receiver
TBV-KUA030	HDMI x 3, VGA x 1	Table Box Type
VKSCM-231	HDMI x 2, DP x 1, VGA x 1	Box Type
VKSCM-221	HDMI x 2, DP x 2	Box Type
VKSCM-201	HDMI x 2	Box Type

### Connection Pattern

