



User Manual

video converter

SK-RGB-VGA



VISCOTECH
Berghäuser Str. 66* 57319 Bad Berleburg
www.viscotech.de * info@viscotech.de
Tel.: +49-(0)2751-9209703

SK-RGB-VGA is an industrial Video Converter,

SK-RGB-VGA video converter of industrial fully automated operation.

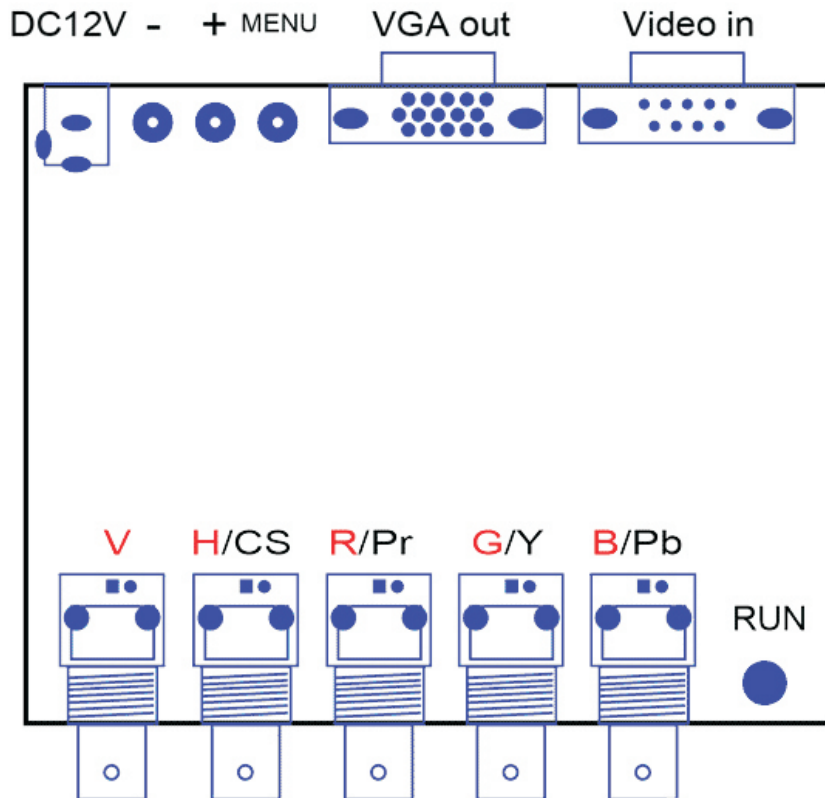
Quick reference for SK-RGB-VGA:

Input Signal	Type	MDA, CGA, EGA, RGB, RGB Sog R GBS, RGBHV, YPbPr
	Interface	BNC Port, 9 PIN, 3 PIN, 6 PIN, 7 PIN, 14 PIN, 20 PIN, 24 PIN, 25 PIN...
	Parameter	Analog: 0.5-1.0 / TTL: 3-5V 75 ohm / 750 ohm Scanning: Progressive/Interlaced
Output Singnal	Type	Standard VGA/SVGA, 800*600/60hz, 640*480/60hz
	Interface	Standard 15Pin D-SUB
Power	DC 12V 1.0A / Consumption- 2.0W maximum	

SK-RGB-VGA Performance and characteristic

1. RGB, RGB SOG, RGBS, RGBHV, MDA, CGA, EGA, YUV Signal auto scan (Horizontal Scanning Frequency: 12K-40K, Vertical Scanning Frequency: unconstrained)
2. Vertical Resolution :200-600 lines, auto scan.
3. Horizontal resolution: unconstrained, auto scan.
4. Supports sync separation, CS composite sync, SOG green sync, auto scan.
5. Supports monochrome, Grayscale, color signal input.

Quick reference for SK-RGB-VGA interface



SK-RGB-VGA interface

DC12V Power Supply, DC 12V/1.0A.

MENU To assess OSD menu.

+ To adjust the OSD menu.

VGA OUT Standard VGA/SVGA, 800*600/60hz, 640*480/60hz

VIDEO IN 9 Pin D-SUB input

V Vertical Scanning Frequency.

H/CS Horizontal Scanning Frequency or composite sync.

R/Pr Red signal, or the color of the PR.

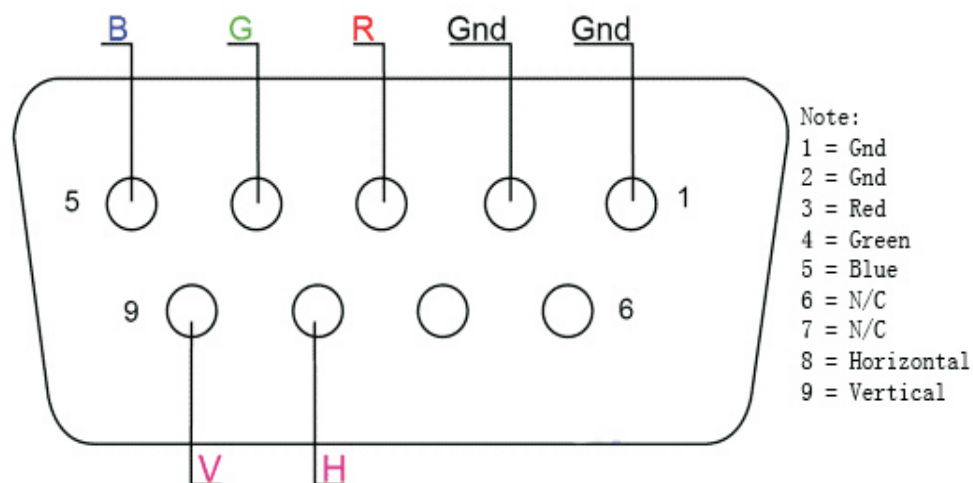
G/Y Green signal, or chromatic aberration of Y.

B/Pb Blue signal, or chromatic aberration of Pb.

RUN Power LED.

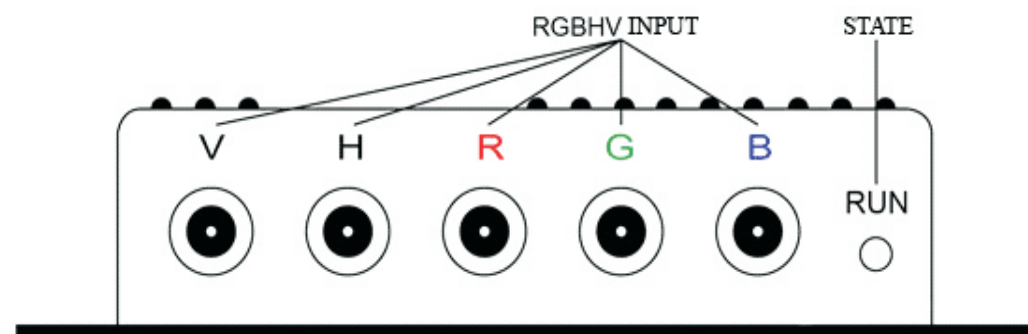
Note: 9 Pin and BNC input signal, only one can be chosen.

9 Pin D-SUB Reference



SK-RGB-VGA 9pin input

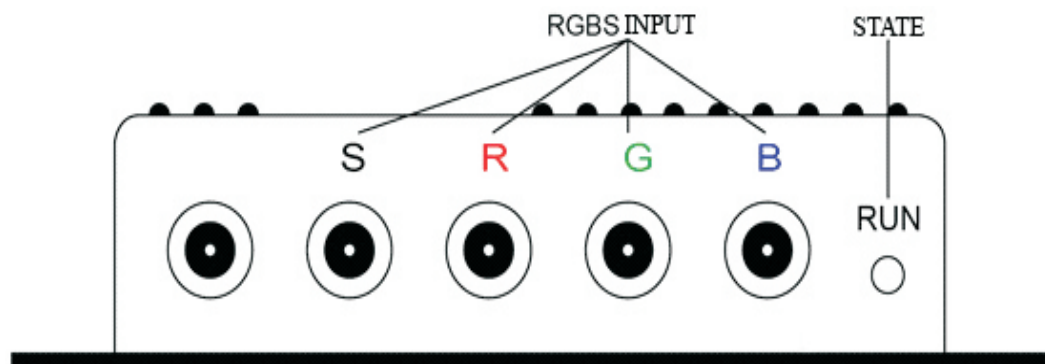
Connection Diagram



SK-RGB-VGA input RGBHV

RGBSHV Signal Input

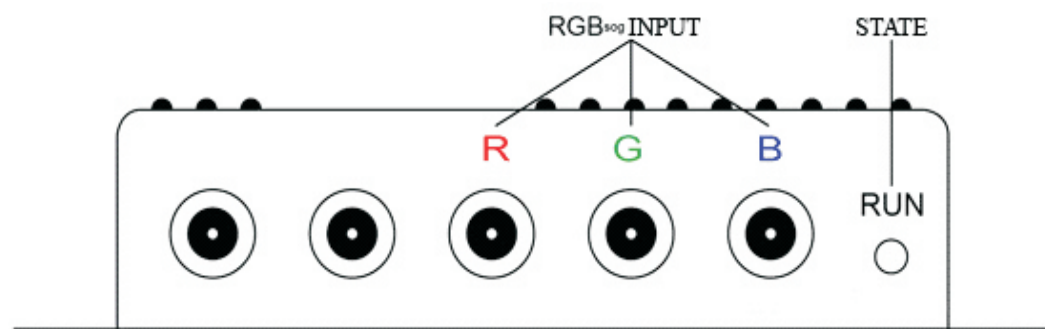
5 BNC port, Connection R,G,B,H,V. Monochrome Connection G,H,V



SK-RGB-VGA input RGBS

RGBS CS Signal Input

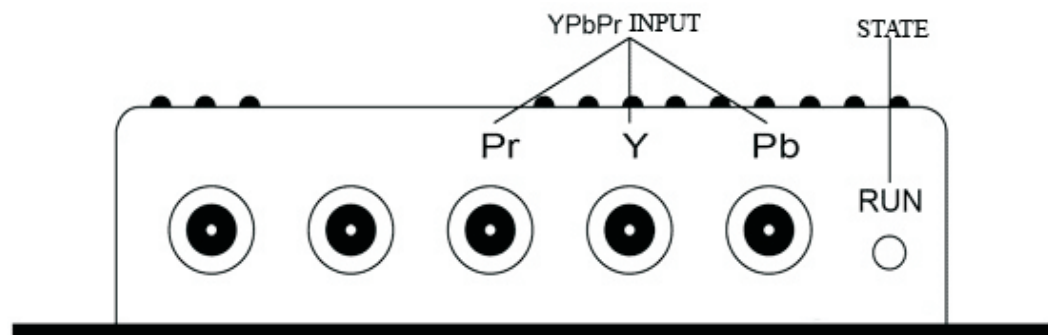
4 BNC port, Connection R G B S. Monochrome Connection G S



SK-RGB-VGA input RGBsog

RGB Sog Signal Input

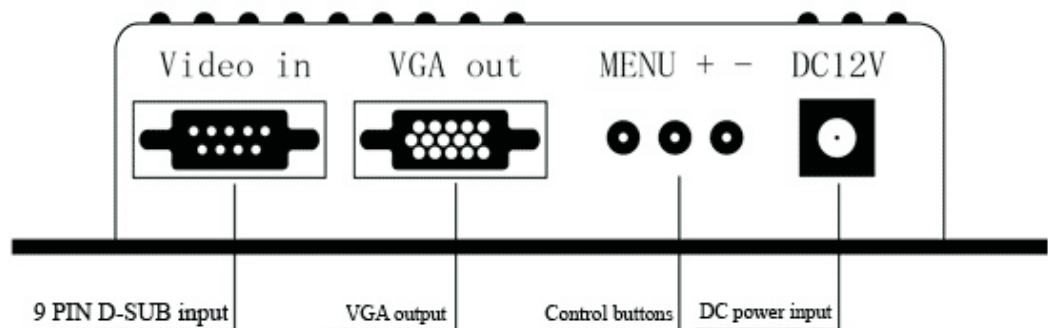
3 BNC port, Connection R G B. Monochrome Connection G



SK-RGB-VGA input YpbPr

YPbPr Signal Input

3 BNC port Connection Pb Y Pr. Monochrome Connection Y



SK-RGB-VGA input 9PIN

9 PIN, 3 PIN, 6 PIN, 7 PIN, 14 PIN, 20 PIN, 24 PIN, 25 PIN Signal Input

Select RGBHV wire connection, Please follow the 9 Pin D-SUB Reference.

Note: 9 Pin and BNC input signal, only one can be chosen

SK-RGB-VGA OSD

(Setting)	(Advance)
(H_Position)	+38
(Width)	-16
(V_Position)	+25
(High)	+05
(Phase)	00
(Style)	R G B (A)
(Sync)	SEPARATE (HV)
(Resistance)	750 Ω
(Scanning)	Interlaced
(Exit&Save)	
(Info) HS 00.00KHz VS 000.0Hz	

SK-RGB-VGA osd

- H_Position** Moves the position of the display area on the screen.
- Width** adjust the width of the menu.
- V_Position** Moves the position of the display area on the screen vertically.
- High** adjust the height of the menu.
- Phase** adjust the phase of the menu.
- Style** Signal style, RGB(A) Analog, RGB(D) Digital TTL, YUV
- Sync** Signal Sync mode: Separate(HV), Composite(S), SOG, SOY. Automatic recognition of video input sync, or custom of video input sync
- Input impedance** 75 ohm or 750 ohm.
- Scanning:** Interlaced or Progressive.
- Exit&Save:** Save and Exit.
- 11. automatically save and exit:** 15 seconds, don't press any key, the menu automatically save and exit. (No signal input, the OSD menu will display)
- 12. SK-RGB-VGA Advance menu:** Turn on the SK-RGB-VGA power, Press and hold the Menu buttons simultaneously until the SK-RGB-VGA Advance menu display, about 5 to 8 seconds.
- 13. Restore the factory defaults for SK-RGB-VGA?** Turn off the SK-RGB-VGA power, Press and hold the Menu buttons simultaneously until the SK-RGB-VGA power on, about 3 to 5 seconds.

SK-RGB-VGA Control buttons

1 Menu: To access OSD menu.

2 + - To adjust the OSD menu

Using the Screen Adjustment Menu (OSD: On Screen Display)

STEP 1

Connected to signal, no display or display color is not correct, adjust the Signal style (RGB(A) Analog/RGB(D) Digital TTL/YUV).

STEP 2

SK-RGB-VGA can automatically identify the sync signal, if the display distortions that need to manually adjust the sync signal(Separate(HV)/Composite(S)/SOG,SOY).

STEP 3

If the screen shows elongated, and the overflow to the bottom of the screen, choose the scanning mode adjusted: Progressive; or screen display is still only half of the monitor, choose the scanning mode to adjust to: interlaced.

STEP 4

Adjust the horizontal position, horizontal size, vertical position, vertical size of the item, adjust the monitor to display properly.

STEP 5

Input impedance: Select the correct input impedance.

STEP 6

Adjustment the phase until the display clearly.

STEP 7

Save and exit.