



Brite-View

Progressive Scan Video Converter for professional use



Using the latest IC technology, Zinwell Brite-View offers the highest quality video at the most reasonable price.

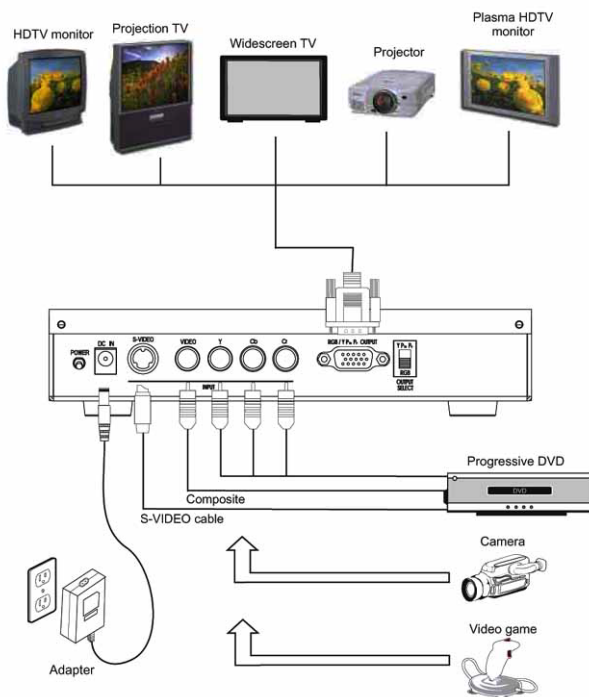
By means of advanced frame buffer technology and line doubler, Brite-View can turn your existing standard definition video from a Laser Disk, DVD Player, VCR, Camcorder, Video Game, Satellite Receiver, or virtually any other video source into a high quality picture on any device with VGA or Y-Pb-Pr input, like Projector, Plasma TV, or LCD display, dramatically improving the video image.

Zinwell Brite-View is a high performance device with frame buffer technology, which can significantly increase the quality of images by doubling the standard video lines.

Adding Brite-View will convert the scan frequency of NTSC or PAL/SECAM signals from 15.75KHz to 31.5 KHz and let you have 720p or 1080i line resolutions on your Projector, Plasma TV, or LCD display, which will increase the image brightness and decrease the flicker of picture. In addition, 3:2 pull down auto detection from Brite-View, will ensure video sources to perform smooth, flicker free, and highest image quality.

User Advantages

Enjoy Pre-HDTV picture quality with an anti-flicker picture technology. With Brite-View one can enjoy high resolution projector with movie-like picture quality. Upgrade your existing DVD player to a high-end progressive scan model. Compatible with any device with VGA or Y-Pb-Pr input. Stand alone unit.





FEATURES

- Advanced frame buffer technology
- Double scan conversion (from 15.75 KHz to 31.5 KHz)
- Support VGA, SVGA, XGA and SXGA (1,280x1,024 resolution) for RGB output
- Support 480p, 720p, 1080i for YPbPr output
- 3:2 pull down auto detection
- Brightness, Saturation, Contrast, Sharpness and Hue adjustments
- On Screen Display operation with IR Remote Controller
- The highest video quality at the most reasonable price
- Aspect Ratio 4:3 or 16:9
- Motion adaptive 3D comb filter for two-dimensional Y/C separation. For VHS tape input source, press Tint and Language on IR remote control to disable 3D comb filter for VCR mode or Normal mode.



TECHNICAL SPECIFICATION

Input Signal

- Analogue: Composite Video (1Vpp), S-Video, Component Video, YCbCr (Y:1Vpp, CbCr:0.7Vpp)
- All PAL and NTSC video standards

Input Connectors

- Composite Video: RCA
- S-Video: 4 pin, mini DIN
- YCbCr: 3 x RCA

Output Signal

- Hardware switch selectable between RGB and YPbPr (Y:1Vpp)
- Analogue RGB (0.7Vpp, TTL Sync), resolution: 640 x 480 (VGA), 800 x 600 (SVGA), 1024 x 768 (XGA), 1280 x 1024 (SXGA)
- Analogue HDTV (YPbPr, 0.7Vpp, Sync on Y), resolution: 480p, 720p, 1080i
- Refresh rate: 60Hz or 75Hz
- Progressive scan video line frequency, VGA: 31.5KHz, SVGA: 37.9KHz, XGA: 48.4KHz, SXGA: 64KHz, 480p: 31.54KHz, 720p: 45.00KHz, 1080i: 33.75K(30Hz vertical)

Output Connector

- D-sub 15pin, Female type (RGB/YPbPr by switching selection)

Video Processing, De-interlacing

- Adaptive static detection (improves sharpness by doubling the resolution of "non-moving" portions)
- Pixel base adaptive motion detection implementing Bob and Weave methodology on picture
- Automatic 3:2 (NTSC)/ 2:2 (PAL) pull down detection and correction(regenerates original film pictures)

AD and DA conversion

- 10bit ADC and 10bit DAC

Y/C Separation

- Programmable 3D adaptive Comb filter with color edge enhancement circuit

Noise Reduction

- Dynamic adaptive smoothing filter (reduces high frequency noise)
- Motion adaptive Infinite Impulse Response filter

Remote Control/On Screen Display

- Hot key selection and adjustment of all picture settings (contrast, brightness, color, tint, sharpness, resolution, display format, language)
- Hot key input selection (YCbCr, VIDEO, S-VIDEO)
- OSD languages: English, German, French

Power

- Adapter with 100~240VAC (50/60Hz) IN and 12VDC 1.25Amp OUT
- Consumption: 15 Watts typical

Operation Conditions

- Temperature: 5~45 C
- Humidity: 5~80%

Dimensions and weight

- Dimensions: 206 (L) x 157 (W) x 45 (H) mm
- Weight: 1080 grams