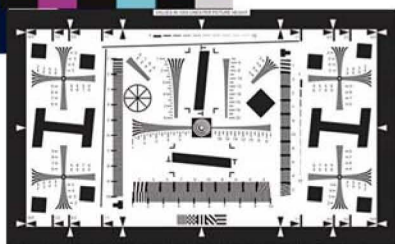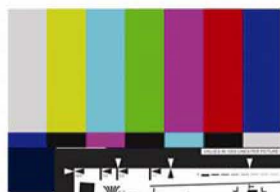# ProVision®

Leading Edge of Presentation

ProVision - Portable Series

High Resolution for Zooming
only *ProVision - Portable Series*

5 Elements of
ProVision® Picture Quality

ProVision Visualizers have always been famous for their outstanding picture quality, which is due to a perfect mixture of high end components and remarkable know-how.

The picture quality of a Visualizer or camera can only be as good as its weakest component. The following 5 basic elements are responsible for perfect picture quality, as found on all ProVision units:
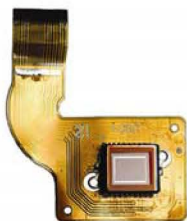
Camera Lens System   +   Image Sensor (CCD)   +   Profressional Mainboard   +   Updatable Firmware   +   Lighting System

Perfect picture quality means high resolution throughout the whole picture (including the edges), lifelike colors, high frame rate, fast and precise auto focus, smooth zooming, an overall distorion free picture, even lighting without reflections or hot spots and much more.

ProVision' s high priority on perfect picture quality can be seen throughout the whole product line - from the entry level to the top of the line Visualizer.

Technical Data	PVT-310P	PVT-320P
Camera	CMOS 1/3" Progressive Scan	CMOS 1/3" Progressive Scan
Picture per second (as picked up by camera)	24 frames (Maximum)	24 frames (Maximum)
Effective Pixel (=pixels actually used for image information)	1280 x 1024	1280 x 1024
Total pixels	3,200,000	3,200,000
Color reproduction / precision	very good colors (sRGB color precision)	very good colors (sRGB color precision)
Converted output signals (4:3 and 5:4)	SXGA (1280 x 1024), XGA (1024 x 768), SVGA (800 x 600), PAL and NTSC	SXGA (1280 x 1024), XGA (1024 x 768), SVGA (800 x 600), PAL and NTSC
Resolution (measured)	750 TV lines	750 TV lines
Image Rotation	Yes	Yes
Vertical image-frequency	60Hz	60Hz
Iris	automatic and manual	automatic and manual
White balance adjustment	automatic and manual	automatic and manual
Text Enhancer	Yes	Yes
Zoom / Lens	96x zoom (12x optical + 8x digital)	96x zoom (12x optical + 8x digital)
Tilt range of camera	270° (180° to lecturer + 90° to audience)	270° (180° to lecturer + 90° to audience)
Light source	long life high frequency LED lighting	long life high frequency LED lighting
Image memory	-	via USB
Computer input / input switch	one (15-pin D-Sub/VGA plug)	one (15-pin D-Sub/VGA plug)
Composite video input	-	-
Y/C Sperate (S-Video) output	-	one (S-Video)
Composite video output	-	one (RCA)
RGB output	one (15-pin D-Sub/VGA plug)	one (15-pin D-Sub/VGA plug)
USB port (for hand-wirting technology)	-	-
USB port (for USB Camera / Storage Disk)	-	one (USB 2.0)
Weight	2.5 kg	2.5 kg
Dimensions	folder (190mm x 340mm x 60mm) setup (190mm x 200mm x 640mm)	folder (190mm x 340mm x 60mm) setup (190mm x 200mm x 640mm)
Infrared remote control	Yes	Yes
Anti-theft device	T-Lock and table lock bolt (optional)	T-Lock and table lock bolt (optional)
Power (external power pack)	multi range 100-240V, 60W, weight: 0.3kg (0.6lbs)	multi range 100-240V, 60W, weight: 0.3kg (0.6lbs)
Warranty	3 years	3 years

ProVision®

More information at:

www.suntechav.com.hk