ProVision®

PVi-3291/5331

DOCUMENT CAMERA

ProVision® PVi-3291/5331

The PVi-3291/5331 is a new generation model designed to set a new industry standard. Packed with a powerful punch, the PVi series is destined to excite anybody at his first sight with its ultra-thin and sleek body design, sharp and crystal clear native SXGA image quality, DVI output for real digital signal. High speed 9x optical and 12x digital zoom, digital imaging feature suite including image freeze, split, mirror, rotation, title freeze, and picture in picture, and multiple input and output terminals along with the built-in video scaler (5331 only) offers value added multimedia center functionality and cost saving possibility. In addition, the PVi series allows you to save up to 400/1000 images on board with non-volatile memory storage capability. You also have the option of saving images to a computer or removable USB thumb drive with the built-in USB 2.0 ports. In addition, a built-in LCD screen allows you to face your audience at all time while staying on top of your presentation materials. The PVi series will surely take your teaching and presentation to a new height.

Full Sized Light Box for Transparencies, X-Rays, Slides, Film Negatives

With the built-in A4 size lightbox, the PVi series makes presentation more versatile. You do not need to throw away the transparencies you have collected during the OHP era. The lightbox is perfect for viewing X-Rays in medical colleges and presenting slides and film negatives in art classes. Simply lay any film negative on the platform and press the NEG button, the negative image is converted to a positive picture instantly.

Versatile Connectivity with Multiple Input and Output Terminals

The PVi series offers versatile connectivity with multiple input and output terminals. Two computers and two video devices can be connected to the PVi series. There is a built-in mini control system with a video to RGB scaler(5331 only) to allow you to switch input sources right from the front panel. All inputs signals can be output to a display unit with sound via one RGB cable and an audio cable. This feature by itself eliminates the need of using additional plenum video cables, which saves hundreds of dollars. The PVi series is equipped with DVI output terminal for true digital output. In addition, the RS232 terminal allows you to integrate the PVi series into any sophisticated central control system.

Dual USB 2.0 Ports a[...] Storage

The PVi seriescome[...] and a slave. You can[...] drive into the host [...] annotation or quick[...] choose the USB thu[...] USB drive is much [...] use than a SD or CF[...] PVi series to a comp[...] direct computer im[...]

One Ultra-thin and Sleek Body, Three Color Options
The PVi-series is engineered and desighed by a team of ProVision engineers and industry designers. Its ultra thin and sassy body makes it an immediate attention grabber. It is a first document camera that allows you to choose from three different color combinations: classic white and black, futuristic blue and black, and passionate red and black.

Built-in 3.5 Inch LCD Monitor
The PVi series features a built-in LCD monitor on the left lower corner of the working surface. The LCD monitor makes it very easy to position objects. It lets you to see exactly what your audiences see behind your screen so that you can face your audience at all time while having total control of your presentation materials.

USB Thumb Drive Removable
th two USB2.0 ports, a host
nnect a mouse or USB thumb
 for camera control and
ge and video capture. We
drive storage is because the
 common and convenient to
d. You can also connect the
r via the USB slave port for
and video download.

USB 2.0 Image Capture and Video Recording
The PVi series is equipped with a USB 2.0 image capture and video recording system. Connect the PVi series to a computer, you can easily preview, capture and save any image on your PC, also you can record video with sound and save it directly to the connected computer hard driver.

400/1000 Image Internal Non-Volatile Memory
The PVi series offers a high capacity internal memory storage space. You can save up to 400/10 images in the unit. It is worth mentioning that the internal memory is non-volatile, which means whe you turn off the unit, the saved images are still on board, which can be accessed next time when you turn on the unit.

P1-1000

108x

ega Pixel CMOS Image Sensor

Vi series boasts native XGA/SXGA sharp and
mage with a horizontal line of more than
000 lines empowered by a professional 3 mega
ga pixel CMOS image sensor. Combined with a
recision lens, the PVi series reproduces
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108x Total Zoom and Pan with High Speed Auto focus

With the 9x optical and 12x digital zoom, the
PVi series enables you to view the intricate details
of any object that are impossible to view with your
naked eyes. Due to the 3/5 mega pixel resolution, you
can get the optical zoom effect(with no pixilation)
with the first 2x digital zoom under the XGA output,
so that the PVi series's optical zoom under the XGA
output is 18x. In addition, the PVi series's special
optical system features high speed auto focus
capability that ensures instant auto focus when you
quickly zoom in and out of any object. You can also
manually adjust focus to achieve special viewing
needs.

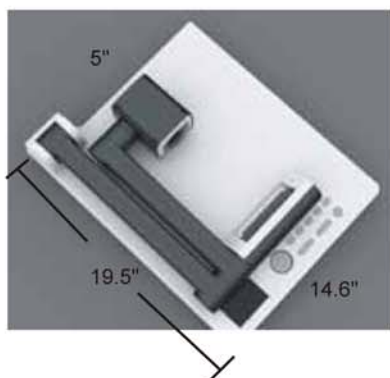## Full-fledged Digital Imaging Suite

The PVi series houses full-fledged digital imaging
suite that will greatly enhance your presentation. The
freeze function allows you to discretely prepare the
next image without interrupting current
presentation. The mirror function gives you a
different perspective of an object. The split screen
offers the capability of comparing two images or
comparing two different views of one object side by
side. The picture in picture allows you to compare a
live image and saved image side by side. The title
function gives you the power to freeze a title bar on
top of the screen so that your presentation is more
focused and well organized. The text enhancement
feature provides the option of improving the
readability of the test by improving the contrast of
the text image.

LED Lighting

Wanin is committed to making environmentally
friendly products. The PVi series is RoHS compliant,
which means it meets the rigorous European Union's
requirements for restriction of the use of certain
hazardous substances in electrical and electronic
equipment. The lighting system of PVi series
adopts eco-friendly, low power consumption and
long lasting LED lamps for arm and back lights, which
are cool to the touch and mercury content free. The
A4 size built-in light box allows you to view slides,
transparencies, X-Rays, and film negatives.

Specifications

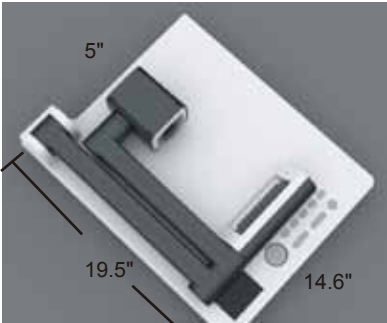| Model	PVi-3291	PVi-5331
Sensor	1/3" CMOS	1/3" CMOS
Total pixel	3 Megapixel	5 Megapixel
Zoom	9x optical, 12x digital	9x optical, 12x digital
Frame rate	25	25
Shooting area	Max: 16.3"x11.6" Min: 0.1"x0.1"	Max: 16.3"x11.6" Min: 0.1"x0.1"
Focus	Auto/manual	Auto/manual
Native output signal	XGA(1024x768@60Hz)	SXGA(1280x1024)
Converted output signal	--	XGA
Resolution (Horizontal)	≥750 TV lines	≥1000 TV lines
White balance	Auto/manual	Auto/manual
Color adjustment	Yes	Yes
Brightness adjustment	Yes	Yes
Image capture	Yes, 400 NON-volatile images	Yes, 1,000 NON-volatile images
Video recording	Yes, with sound	Yes, with sound
Image rotation	90, 180, 270 (frozen)	90, 180, 270 (frozen)
Image split	Yes	Yes
Image freeze	Yes	Yes
Picture in picture	Yes	Yes
Title freeze	Yes	Yes
Text mode	Yes	Yes
Black and white/color conversion	--	Yes
Positive/negative conversion	Yes	Yes
Built-in video scalar	--	Yes
OSD	Yes	Yes
INPUT TERMINALS		
VGA	x2	x2
VIDEO	--	x1
S-VIDEO	--	x1
AUDIO	x2	x4
MICROPHONE	--	x1
OUTPUT TERMINALS		
DVI	x1	x1
VGA	x2	x2
VIDEO	x1	x1
AUDIO	x1	x1
S-VIDEO	x1	x1
OTHER TERMINALS		
USB2.0	Host×1(Mouse, Memory stick) Slave×1(USB camera/Build-in image download)	Host×1(Mouse, Memorystick) Slave×1(USB camera/Build-in image download)
USB driver and software	Windows 2000/XP/Vista, Mac OS10.4 or above. Driver plug and play	Windows 2000/XP/Vista, Mac OS10.4 or above. Driver plug and play
RS232 (computer controllable)	x1	x1
Remote control	Yes(360°controllable)	Yes(360°controllable)
Kensington lock	Yes	Yes
Built-in LCD screen	Yes	Yes
Light source	Top Arm light×1 (LED) A4 size lightbox (LED)	Top Arm light×1 (LED) A4 size lightbox (LED)
Operating temperature	32°F to 104°F	32°F to 104°F
Dimensions	Folded:19.48"×14.56"×5" Setup:21.25"×14.56"×21.25"	Folded:19.48"×14.56"×5" Setup:21.25"×14.56"×21.25"
Power supply	12V DC power adapter	12V DC power adapter
Weight(net)	5Kg	5Kg

21.3"

21.3" 14.6"

5"

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Text mode	Yes	Yes
Black and white/color conversion	--	Yes
Positive/negative conversion	Yes	Yes
Built-in video scalar	--	Yes
OSD	Yes	Yes
INPUT TERMINALS		
VGA	x2	x2
VIDEO	--	x1
S-VIDEO	--	x1
AUDIO	x2	x4
MICROPHONE	--	x1
OUTPUT TERMINALS		
DVI	x1	x1
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VIDEO	x1	x1
AUDIO	x1	x1
S-VIDEO	x1	x1
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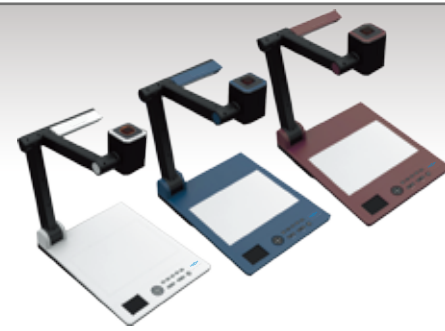
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5.0 Mega Pixel CMOS Image Sensor
The PVi series boasts native XGA/SXGA sharp and crisp image with a horizontal line of more than 750/1000 lines empowered by a professional 3 mega 5 mega pixel CMOS image sensor. Combined with a high precision lens, the PVi series reproduces documents and 3D objects with unsurpassed precision. At the frame rate of 30fps, the PVi series captures and reproduces moving image with great smoothness.

108x Total Zoom and Pan with High Speed Auto focus
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Dual USB 2.0 Ports and USB Thumb Drive Removable Storage
The PVi seriescomes with two USB2.0 ports, a host and a slave. You can connect a mouse or USB thumb drive into the host port for camera control and annotation or quick image and video capture. We choose the USB thumb drive storage is because the USB drive is much more common and convenient to use than a SD or CF card. You can also connect the PVi series to a computer via the USB slave port for direct computer image and video download.

USB 2.0 Image Capture and Video Recording
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P1-1000

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