

Specifications					
Model		KG-PV131Xh30	KG-PV131Xh25	KG-PV131X	KG-PV131S
Projection method		1-chip DLP®			
DLP®	Chip size	0.55"			
	Pixels	786,432 / XGA (1024×768)			480,000/ SVGA (800×600)
Projection lens		1:1.15 Manual Zoom / Manual Focus F2.45-2.62, f=18.7-21.5mm		1:1.15 Manual Zoom / Manual Focus F2.45-2.62, f=18.7-21.5mm	
Light source (high pressure mercury lamp)		230W		200W	
Screen size	Minimum	31.3" (projection distance 1.2m)			
	Maximum	300" (projection distance 10.20m)			
Colour reproduction		Full colour (16,770,000 colours)			
Brightness	Normal mode	3000lm	2500lm	2000lm	2000lm
	Eco mode	approximately 20% less brightness		—	—
Noise	Normal mode	33dB		30dB	
	Eco mode	30dB		—	
Contrast ratio (Full on / off)		2000:1			
Audio output		Mono 0.5W			
Scanning frequency (Horizontal / Vertical)		15-80kHz / 50-85Hz			
RGB I/O	RGB input terminal		Mini D-Sub 15pin (RGB / YCbCr / YPbPr)×2		
	RGB output terminal		Mini D-Sub 15pin (RGB / YCbCr / YPbPr)×1		
	Resolutions	VGA (640×480)	Expansion / True		Expansion / True
		SVGA (800×600)	Expansion / True		True
		XGA (1024×768)	True		Compression
		SXGA (1280×1024)	Compression		—
Video I/O	Input signal	NTSC3.58, NTSC4.43, PAL, PAL_N, PAL_M, PAL60, SECAM, YCbCr (NTSC, PAL), YPbPr (480p, 576p, 1080i, 720p)			
	Input terminals	RCA (COMPOSITE Video)×1 / Mini DIN 4pin (S-Video)×1 / Mini D-Sub 15pin (RGB / YCbCr / YPbPr)×2			
Audio input terminal		3.5mm Stereo Mini Jack (RGB / Video)×1			
Other terminals		Mini D-sub 9pin (RS232C)×1			
Use environment		Temp.:5-35°C, 41-95°F / Humidity:10-85% (but no condensation)			
Power		AC100V-240V, 50 / 60Hz			
Power consumption		Normal mode:300W Eco mode:245W Standby:10W or less		Normal mode:245W Standby:10W or less	
Dimensions (not including protruding parts)		260×58×210m (W×H×D)			
Weight		1.9kg			
Supplied accessories		Remote control (including two AA batteries), Power cable (1.8m / 5.9feet)×1, Ferrite core×3 RGB signal cable (Mini D-Sub 15-pin, 2m / 6.6feet)×1, Soft Case×1, User's manual (CD-ROM edition)×1 Startup Guide×1, Safety and Support Service Guide×1, Security Sheet×1, Security Label×1			

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TAXAN

DLP® Data Projector
PV100 Series



True Color
Innovation in DLP® Projectors

Astonishing progress in the DLP® colour advantage



2008, TAXAN adopts BrilliantColor™ across its entire range of new products, for the ultimate in colour reproduction.

PV100 Series



KG-PV131Xh 30 XGA 3000m
KG-PV131Xh 25 XGA 2500m

KG-PV131X XGA 2000m
KG-PV131S SVGA 2000m



BrilliantColor™ sets the new standard for colour reproduction by DLP® projectors.

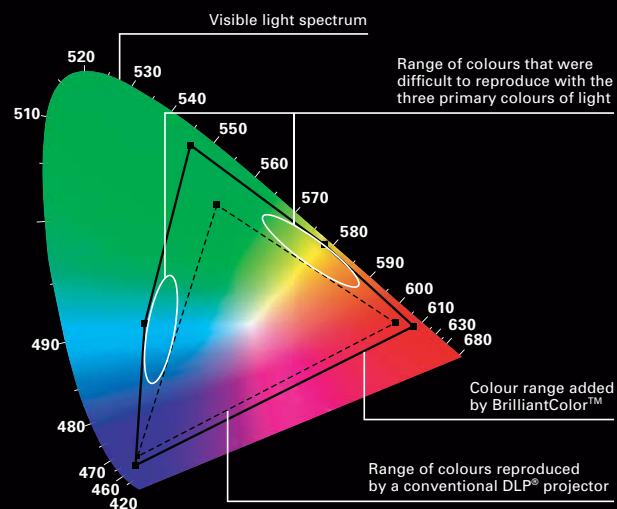
Dramatically improved colour reproduction

Projectors using conventional DLP® technology generally employ a four-segment colour wheel (RGB+W). BrilliantColor™ adopts a six-segment colour wheel, and TAXAN adds C (Cyan) and Y (Yellow), which are used as primary colours in printing. This broader colour range enables far more realistic colour reproduction, especially of yellow and light blue hues.

Four-segment colour wheel



Six-segment colour wheel

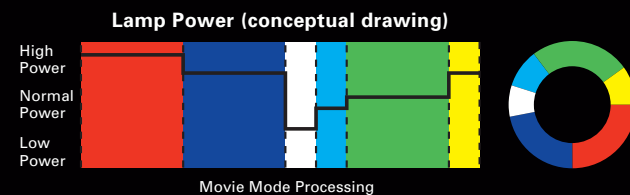


This figure shows the colour gamut when conventional DLP® and BrilliantColor™ are combined. Reproduction is notably improved in the yellow and light blue ranges.

Variable Illumination, optimizing colour reproduction for different purposes

The PV100 Series offers a wide choice of software-based colour modes. Each mode is achieved by adjusting the illumination on different segments of the colour wheel (Variable Illumination). Users can choose the optimal colour balance for each particular purpose.

How Variable Illumination works



Standard mode



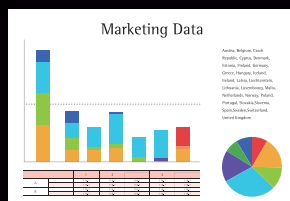
Well-balanced colour reproduction suitable for all kinds of situations.

Graphics mode



With excellent reproduction of yellows and blues, this mode is best for scenic photos.

Presentation mode



Choose this mode for presentations featuring figures and graphs, or when in brightly lit rooms.

Movie mode



Motion-filled presentations are shown with full cinematic impact.

Adopts BrilliantColor™ for more faithful colour reproduction

The PV100 Series makes full use of BrilliantColor™. Halftone reproduction and brightness are vastly improved, enabling projection of high-clarity images while maintaining high contrast. Pictures and text can be displayed clearly even in brightly lit rooms.

Connect two PCs at the same time

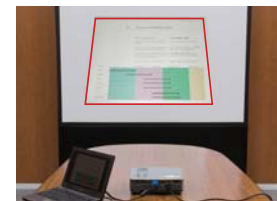
With two computer input connectors, two PCs can be hooked up to the projector simultaneously. Input can be switched on the go, without plugging and unplugging. This feature allows a wide variety of presentation possibilities, such as using one PC for slides and one for video.



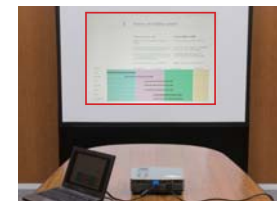
Photo: PS200 Series model

The functions needed for starting up presentations quickly

Thanks to the quick start feature, the projector is ready for use in about 18 seconds after switching on. A keystone correction feature automatically adjusts for perpendicular nonalignment. Presentations can be started right away, without the need for troublesome preparations. After use, the cooling fan continues operating after the power is turned off, even when the power cord has been unplugged, allowing fast takedown.



Automatic keystone correction



Lens shutter with image muting

A lens shutter is used in place of a lens cap. Besides protecting the lens, the shutter can be used to pause and resume presentations without turning off the power; plus there is no need to worry about misplacing the lens cap.



Designed for both ease of use and attractive appearance

Usability is emphasized throughout. An example is the use of large buttons on the top of the projector for all the main operations, with icons clearly indicating their functions.

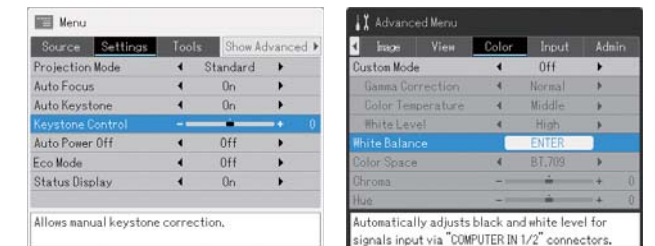


Main functions

Auto keystone correction (vertical)/Quick start/Quick off/Auto source/Auto adjustment/Sliding lens shutter/One-touch height adjustment/Presentation timer/Colour mode switching/Digital zoom/Blank/Freeze/Front ventilation/DVD progressive input support/HDTV broadcast support/Component signal support/Line doubler/Security password/Security slot

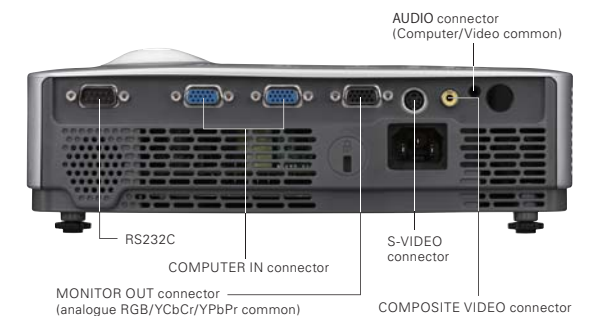
A new interface for greater usability

Two menu levels are provided, based on frequency of use, for improved usability. Descriptions are displayed for each menu item, enabling operations to be performed without confusion.



Connectors enabling extended features

Connectors on the rear panel are provided for COMPUTER IN connector (x2), MONITOR OUT connector, RS232C, S-VIDEO connector, and COMPOSITE VIDEO connector, thereby allowing a wide variety of presentation styles.



Two video input connectors are provided, for S-Video and COMPOSITE video, and by using the projector to show DVD or video movies you can enjoy the large-screen impact of a cinema.

Quiet operation, with low-noise fan

Operation is exceedingly quiet, meaning presentations can be enjoyed without the distraction of fan noise.



Model	Normal mode	Eco mode
KG-PV131Xh30 / KG-PV131Xh25	33dB	30dB
KG-PV131X / KG-PV131S	30dB	-

KG-PV131X / KG-PV131S

The long-life lamp provides 4,000 hours of use

There is no need to worry about lamp failure even during long presentations. In addition, the trouble and cost of lamp replacement is minimized.

