



Technical data						
Display	Technology	3 x 0.9" polysilicon TFT LCDs (X162: with MLA – Micro Lens Array)	Projection sizes			
	Resolution	1024 x 768 pixel				
Image quality	Brightness	X152: 1600 ANSI lumens (typ.) X162: 2000 ANSI lumens (typ.)	Zoom lens 38 – 49 mm			
	Brightness uniformity	90 %	Distance	Diagonal	Height	Width
	Contrast ratio	400 : 1	1.3 (min.)	0.76	0.45	0.61
	Colours	16.7 mio. – 24 bit	3	1.42 – 1.84	0.85 – 1.10	1.14 – 1.47
Optical system	Lens	1.3 x manual zoom, f = 38 – 49 mm, F = 1.7	5	2.37 – 3.06	1.42 – 1.83	1.89 – 2.45
	Image size	76 – 762 cm / 30" – 300" diagonal	8	3.79 – 4.90	2.27 – 2.94	3.03 – 3.92
	Projection distance	1.3 – 14.3 m	10	4.73 – 6.12	2.84 – 3.68	3.79 – 4.90
	Projection ratio	2.04 – 2.64 : 1 (distance : image width)	14.3 (max.)	6.77 – 7.62	4.06 – 4.57	5.42 – 6.09
	Keystone correction	8 : 1				
Lamp	Projection lamp	200 Watt NSH	(figures in m)			
Compatibility	Computer	PC, MAC, 1600 x 1200 max. resolution				
	Video	PAL, SECAM, NTSC, HDTV: 1080i, 720p				
	Horizontal frequency	15 – 91 kHz				
	Vertical frequency	50 – 85 Hz				
	Bandwidth	115 MHz				
	Mouse	USB, PS/2				
Inputs/outputs	Computer 1 in	VGA 15 pin HD	Art.no.			
	Audio 1 in	3.5 mm stereo jack				
	Computer 2 in	VGA 15 pin HD				
	Audio 2 in	3.5 mm stereo jack				
	Control 1	8 pin mini DIN for PS/2- or USB-mouse				
	Control 2	8 pin mini DIN for PS/2- or USB-mouse				
	Video	RCA				
	S-video	4 pin mini DIN				
	Video audio in	RCA L/R				
	Monitor out	VGA 15 pin HD (switchable to input)				
General	Audio line out	3.5 mm stereo jack				
	Audio system	1 x 1 Watt				
	Mains voltage	100 – 240 V (50 – 60 Hz)				
	Power consumption	210 W, standby 15 W				
	Operating temperature	5° – 35° C				
	Operating noise	< 38 dB (A)				
	Dimensions	305 x 240 x 87 mm (W x D x H)				
	Weight	3.7 kg				
	Conformances	CE, UL, cUL, FCC Class A				
	Warranty	36 months (6 months for the original built-in lamp)				
Scope of supply	Cables	VGA computer cable Audio / video cable Audio cable 3.5 mm stereo jack PS/2 mouse cable USB cable Mains cable S-video cable SCART adapter YPbPr adapter Auxiliary dust filter Remote control Batteries Lens cover User manual Soft bag				
	Accessories					

Subject to technical alterations! 06/02

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X152 / X162

Solid data / video projectors for school, training and further education at a fair price.



A+K AstroBeam X152 and A+K AstroBeam X162

These new models in the successful AstroBeam series are projectors with convincing features such as high luminous output, good picture quality and extremely easy handling, while still remaining in the lower price segment. This makes A+K AstroBeam X152 and AstroBeam X162 the ideal projectors particularly for use in school or at other public congress and training centres which attach great importance to obtaining excellent value for money. The solid design, the exactly fitting soft bag for ideal transport protection and the very user-friendly remote control of these projectors which only weigh 3.7 kg are just a few more arguments for all those who want full convenience in spite of only having a small budget.



A+K AstroBeam X152

The even lower priced starter model A+K AstroBeam X152 manages without the micro lens system. The projector reaches a brightness of 1600 ANSI lumens. All other features, such as resolution, functions, dimensions (30.5 x 24 x 8.7 cm) and max. screen diagonal of 7.62 m are the same as for A+K AstroBeam X162.



A+K AstroBeam X162

Thanks to its micro lens system and a powerful 200 Watt NSH lamp, the X162 achieves excellent brightness values of 2000 ANSI lumens. The contrast ratio is 400 : 1. The displays consist of three 0.9" polysilicon TFT LCDs with XGA resolution of 1024 x 768 pixels.

Mobility

Even for mobile presentations the AstroBeam projectors are the right choice. With the dimensions of a DIN A4-sized sheet of paper, a height of 8.7 cm only and a comparatively low weight of 3.7 kg the projectors can be easily transported in the supplied soft bag.

Connections including monitor output

The projectors have all common, useful connection possibilities. One of the two PC ports can even be converted with a small switch into a monitor output for optimum safety and control possibilities during presentation.

Convenient handling

Extremely user-friendly remote control

If you have ever tried to adjust the projector settings in the middle of a presentation then you are sure to appreciate the convenient handling of the IR remote control for X152 and X162. It controls both projector and presentation; it also allows for direct source selection and performs all mouse functions. The integrated laser pointer emphasizes highlights.

Auto set-up function

The auto set-up function makes it much easier to connect up and adjust the projector, particularly in mobile use. No matter which signal source you connect, all settings for optimum projection results are adjusted automatically in just a few seconds.

Extra-class picture quality

To minimise deviations in colour, X152 and X162 have the possibility of influencing individual colours separately. In addition, gamma correction can be adjusted for extremely colour-true pictures. X152 and X162 are HDTV compatible for top quality presentation of modern video standards.

Functions

The A+K AstroBeam projectors X152 and X162 have a large number of useful presentation functions:

Digital keystone correction

This function compensates for distortions in angles of max. +/- 15° which would otherwise be produced during upwards or downwards projection.

Digital zoom

The digital zoom function is ideal for showing certain picture cutouts enlarged for more details.

PIP (Picture-in-Picture)

The X152 and X162 projectors have the so-called PiP function which allows for a video picture to be faded into a current computer presentation and vice versa.

Blank

The best means of diverting attention from the presentation to the presenter is to use the blank function which switches the picture black.

Freeze

The freeze function produces a similar effect by freezing the projected picture (e.g. in a video presentation) or allows the presenter to scroll on without the audience seeing every single chart of the presentation.

Mute

The mute button switches off the presentation sound.

16:9 video

No matter whether the presentation is in 4:3 or 16:9 format, a change-over to the corresponding signal allows for distortion free presentation in either case.

Ceiling / rear projection

This function allows for the picture to be mirrored and reversed, depending on whether the projector is mounted to the ceiling or used as part of a rear projection.

