



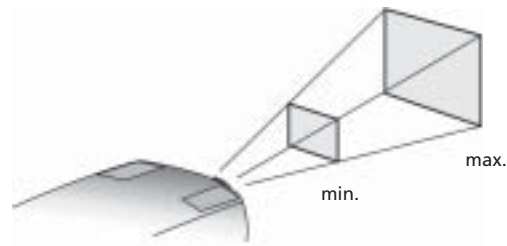
**Technical data**

<b>Display</b>	
Technology	1 x 0.7" DLP™ chip
Resolution	1024 x 768 pixel
<b>Image quality</b>	
Brightness	1100 ANSI lumens (typ.)
Brightness uniformity	90%
Contrast ratio	800 : 1
Colours	16.7 mio. – 24 bit
<b>Optical system</b>	
Lens	1.3 x manual zoom, f = 26– 33 mm, F = 2.0 – 2.2
Image size	80 – 680 cm diagonal
Projection distance	1.5 – 10.0 m
Projection ratio	1.85 – 2.35 : 1 (distance : image width)
Keystone correction	110%
<b>Lamp</b>	
Projection lamp	120 Watt UHP
<b>Compatibility</b>	
Computer	PC, MAC, 1280 x 1024 max. resolution, RGBHV, RGB
Video	S-video, composite video, PAL, PAL-M, PAL-N, SECAM, NTSC 3.58 / 4.43; HDTV: 480i, 480p
Horizontal frequency	15 – 100 kHz
Vertical frequency	43 – 130 Hz
Bandwidth	135 MHz analogue, 112 MHz digital
Mouse	USB
<b>Inputs/outputs</b>	
Computer In	M1-DA incl. USB
Audio In	3.5 mm stereo jack
Composite video	RCA
S-video	4 pin mini DIN
<b>General</b>	
Audio system	1 x 1 Watt
Mains voltage	100 – 240 VAC, 50 – 60 Hz
Power consumption	155 Watt, standby 12 Watt
Operating temperature	5° – 35° C
Operating noise	< 32 dB (A)
Dimensions	63 x 199 x 149 mm (H x W x D)
Weight	1.1 kg
Conformances	CE, TÜV, GOST; UL, cUL, FCC Class A
Warranty	36 months (6 months for the original built-in lamp)
<b>Scope of supply</b>	
Cables	Cable M1-DA to 15 pin VGA and USB, 2 m Mains cable, 2 m Audio cable 3.5 mm stereo jack, 2 m Video cable, RCA to RCA, 2 m S-video cable, 2 m
Other	SCART adapter IR remote control with laserpointer Batteries Lens cover User manual Safety instructions Quick-start card Soft bag

**Projection sizes**

Zoom lens 26 – 33 mm			
Distance	Diagonal	Height	Width
1.5 (min.)	0.80 – 1.05	0.48 – 0.62	0.64 – 0.84
3	1.60 – 2.10	0.96 – 1.26	1.28 – 1.68
5	2.66 – 3.42	1.60 – 2.05	2.13 – 2.75
8	4.26 – 5.48	2.56 – 3.28	3.40 – 4.38
10 (max.)	5.30 – 6.80	3.18 – 4.08	4.24 – 5.44

(figures in m)



**Art.no.**

99 080 A+K AstroBeam X20

**Accessories**

21 130 Spare lamp 120 Watt UHP  
19 872 A+K Microsaver anti-theft device for data / video projectors

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Subject to technical alterations!

09/02

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1.1 kg	brilliant	universal	guaranteed
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# X20



The pocket size DLP projector –  
high brightness for brilliant presentations on the way!

# X20



## A+K AstroBeam X20

At the moment, the A+K AstroBeam X20 is the smallest data / video projector in the extensive Anders+Kern beamer range. It is a 1.1 kg light-weight model with DLP™ technology and XGA resolution. The projector is just about the size of an A5 sheet of paper and convinces with a brightness of 1100 ANSI lumens and an enormous contrast ratio of 800 : 1. Considerable, too, is the very silent operation with a noise level of less than 32 dB (A). With this "dwarf" you are always and everywhere ready for an impressive presentation.



### First class video quality

The core of the A+K AstroBeam X20 is a 0.7" small DLP™ chip. DLP™ technology by Texas Instruments offers crystal clear images with superior quality. This and the above-average contrast ratio render the X20 especially suitable for all video presentations. Due to the 16:9 video function and the integrated video module even wide-screen pictures can be shown in highest quality.

### Silent operation

The A+K AstroBeam X20 works silently as a whisper with a noise level of less than 32 dB (A). Thus, you can use the projector even in small meetings without disturbing your presentation.

### Ease-of-use

#### - Auto Set-up

The Auto Set-up function is especially useful when you are using the projector with a great variety of signal sources. No matter which appliance you are connecting to it, the projector adapts to the provided signal within seconds for optimal projection results.

#### - IR remote control with mouse function

With the user-friendly remote control taking over all functions of a normal computer mouse you can comfortably control the projector as well as your presentation. With the integrated laser pointer you can highlight important details.

#### - ARLS function

The intelligent ARLS function (Automatic Roomlight Sensing) automatically adapts the projector brightness to the surrounding light conditions. Thus, your A+K AstroBeam X20 always projects pleasantly and evenly bright images.

#### - On-screen menu

You can easily control and adjust the projector with the comprehensible symbols of the on-screen menu.

### Connectivity

Apart from the usual connections for video and audio signal sources, the A+K AstroBeam X20 is equipped with a special computer port including USB mouse which can work with analogue as well as digital signals.

### Functions

With its presentations functions the tiny A+K AstroBeam X20 can stand up to any larger projector. The following useful functions are available for your presentations:

#### - Digital keystone correction

Guarantees a rectangular image by correcting the trapezoidal distortion in an upward or downward projection.

#### - Digital zoom

To enhance details the zoom function enlarges part of the projected image.

#### - PiP (Picture-in-Picture)

The X20 has the so-called PiP function which allows for a video picture to be faded into a current computer presentation.

#### - Logo function

With the logo function you can show your company logo during a pause, instead of a black or frozen image.

#### - Freeze

With a push of a button the projected image freezes, for example to skip a number of charts in the background without the audience noticing it.

#### - 16:9 video

With this function 16:9 video signals can be projected distortion free in full resolution, thus wide-screen pictures, too, can be shown with the correct ratio.

#### - Ceiling / rear projection

This function inverts the projected image sideways or upside down so the projector can be used in a rear projection unit as well as for ceiling mounting.





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