

Preliminary Product Information  
**CRYSTAL 35 Projector**



**Key Points:**

- DarkChip DLP chipset
- Full HD (1080p)
- 2,000 lumens
- 30,000:1 contrast ratio
- Brilliant Color Technology
- Dynamic Black Technology
- New SIM2 Cinema Video Processing
- Black or White cabinet with glass accents

It has long been acknowledged that projectors offer the best movie-watching experience in the home, and now, thanks to SIM2's CRYSTAL line, one can enjoy this life-size image quality without compromising on style. The CRYSTAL line's elegant enclosure, complete with glass accents, contains the latest SIM2 Full HD imaging technology, so the picture performance is as assured as the cabinet design itself. Bright enough to light up a big screen and discreet enough to be displayed in your living space, the CRYSTAL line is that perfect combination of compact size and high performance. Full HD movies, sports and games take on a whole new presence, when compared to a more conventional flat panel TV product. The CRYSTAL line also enables standard definition sources to be reproduced at 1080p resolution, thanks to sophisticated new SIM2 Cinema Video Processing.

DLP is the picture technology of choice for the CRYSTAL line, a Full HD1080p (1920 x 1080 pixel resolution) chipset is used in its design, combining this with DynamicBlack contrast-enhancing technology, the CRYSTAL line is able to deliver crisp, clear images without the motion-blur associated with other picture technologies.

Flexibility of placement of this projector is made easier with a generous lens throw ratio of 1.62~2.43:1 and vertical lens shift adjustment, while the 280W lamp has the power to light up a big screen even in moderate ambient light. The CRYSTAL line is ideally suited to Home Theater systems, Media Rooms or Family/Games Rooms. The CRYSTAL line is unlike any other projector series on the market; their compact size, distinctive cabinet design and bold image performance mean that they will very soon become the centerpiece of many home entertainment systems. The CRYSTAL line is compatible with all video standards (including 1080p@24fps) and offers a wide choice of both analog and digital source inputs, including HDCP compliant HDMI, making them eminently suitable for use with today's HD devices. Available in gloss black or gloss white, with glass accents.

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**Technical Specifications**

<b>Basic Specifications</b>	
Technology	1 chip DMD 0.65 "1080p
Resolution	1920 x 1080 pixel HDVT resolution
ANSI Brightness (typ.)	> 2000 lms
Contrast Ratio	up to 30.000:1 (DB)
Lamp and lamp life:	UHP280W , 2000/3000 hours (Normal/Eco Mode)
Throw Ratio	1.62~2.43
Screen Size	28" ~ 200"
Lens Shift	Vertical (Manual)
Color Wheel	6-Seg. (RGBRYB)
Aspect Ratio	16:9 (4 aspect ratio selectable)
Horizontal & Vertical scan Freq	31-92 KHz & 48-85Hz
Color Systems	PAL(B,G,H,I,M,N,60); SECAM; NTSC 3.58; NTSC 4.43
PC graphics Standards	VGA, SVGA, XGA, SXGA, UXGA, WUXGA
SDTV	SDTV : 480i/p, 576i/p
HDTV	720p 50/60, 1080i 24/35/50/60, 1080p 24/35/50/60,
Color Space Selection	HDTV (Rec 709)
Color Temperature	Native, Low, Medium, High, User
Important Features	Brilliant Color Technology , Dynamic Black Technology
Power Consumption	Typical 430W, Standby < 1W
<b>Inputs</b>	
Computer (D-sub 15 pin)	x 1(shared with Component)
HDMI 1.3w	x 2
Video (RCA)	1
S-video (Mini DIN 4 pin)	1
Component (RCA)	1
<b>Outputs</b>	
12v output	1
<b>Control Inputs/outputs</b>	
RS232	1
USB (mini B type)	x1 (for service only)
<b>Mechanical Specifications</b>	
IR sensor	Front & Rear
Weight	12 kgs
Dimension (L x W x H)	364 x 450 x 167
Acoustic Noise (Typ.)	< 29db (ECO Mode)
Color	2 colors all Black & all White
<b>Accessories</b>	
Remote	x2
PWR Cord	x3 (USx1.8m, EUx2.5m,UKx2.5m)
RS232 Cable (female-female)	x1
User's Manual CD	x1 ( EN, FR, IT DE, ES, P, CHINESE, RUS)
Universal Quick Start Guide	x1 ( EN, FR, IT DE, ES, P, CHINESE, RUS)