

### REF-700 Features

- Advanced home cinema three chip, 1920 x 1080 TI DLP® projection engine
- Triple flash technology for the ultimate in 3D imaging [reduced 3D crosstalk, ghosting, viewer fatigue]
- 6 primary lens choices – fixed rear, fixed front and four VariScope™ lens packages for constant height ultra-widescreen viewing [no anamorphic lens required]
- 4,000 ANSI lumens with advanced home theater iris – suitable on screens up to 14-feet in width
- Multiple inputs, onboard Wolf Cinema video processing
- Comprehensive thermal management system incorporated directly into the chassis design
- IR remote control plus RS-232, LAN network connectivity with today's leading home automation systems
- Delivered in the Wolf "I" (custom integrator cabinet) edition
- Optional WC-PM-L ceiling mount kit
- IR emitter and four (4) pair of active LCD shutter glasses included in the 3D edition



### Wolf Cinema's REFERENCE Series 2D/3D Home Cinema Projector

Wolf Cinema presents one of the most advanced 2D/3D home projection systems yet available – the REF-700 cinema projector. This special platform has been fully optimized for 2D or 3D viewing, with ample dynamic range and stunning black level performance to fill home theater screens up to 14-feet wide.

Like all REF solutions, The REF-700 is built around a next generation, three-chip Texas Instruments DLP™ light engine, powered by a 700W xenon arc lamp for the perfect picture every time. Our “no compromise” approach to imaging excellence results in some of the finest home theater experiences attainable anywhere.

The system is delivered with your choice of four high-contrast Wolf Cinema VariScope™ lenses. These superior optics [originally developed for Cineplex use] provide razor sharp imagery from screen edge to edge, with no visual aberrations. The VariScope optics incorporate precision stepper motors within the optical drive system, enabling ultra-widescreen CinemaScope® viewing on appropriate constant height screens, without the need for an external anamorphic lens. All your favorite television and film aspect ratios: 1.33:1, 1.78:1, 1.85:1, 2.20:1, 2.35:1, 2.40:1 and more – can be stored into memory and recalled with the simple touch of a button.

And we don't stop at 2D viewing excellence. Wolf Cinema's “triple flash” 3D technology option provides for smooth, flicker-free imaging from all of today's popular video sources – including that from Blu-ray players, broadcast TV shows and the latest immersive 3D video gaming consoles.

The projector's integrated “i-box” design [delivered with an external fan and intake/exhaust ducting] helps keep core temperatures at precise levels, extending both the projector and lamp life. Multiple video inputs, IR and RS-232 control capabilities enable seamless integration with some of today's most advanced home control systems.

The Wolf Cinema REF-700 system is now available as a 2D viewing option only, or may be ordered as a comprehensive 3D stereoscopic edition [the 3D ensemble includes the cinema projector, IR emitter and four sets of active LCD shutter glasses – additional glasses sold separately].

# REF-700

## Specifications

<b>ANSI Brightness</b>	4000 ANSI lumens @ 100-120V. Uniformity 80%
<b>ANSI CR</b>	Contrast: 650:1 ANSI.
<b>Display Type</b>	Precision 3-chip 0.95" DLP®
<b>DMD. Native Resolution</b>	HD 1080p (1920 x 1080)
<b>Signals</b>	HDTV formats VGA through to QXGA (2048 x 1536) Accepts all current 2D HDTV/DTV formats. DVI & HDMI inputs support mandatory HDMI 1.4a 3D modes of operation plus 24-144Hz triple flash 3D modes. Multi-standards video decoder. Horizontal and vertical scaling, all inputs
<b>Pixel Clock</b>	330MHz
<b>Scan Rates</b>	Horizontal: 15–120kHz Vertical: 23.97–150Hz (frame lock maximum 120Hz) 48–60Hz frame doubled or dual input 3D 96–120Hz frame rate up to 1920 x 1200 24–144Hz triple flash 3D
<b>Optical System</b>	Dust-sealed 3-chip DMD light engine Motorized horizontal and vertical lens offsets Scheimpflug/Boresite (tilt) adjustment
<b>Fixed Lens Options</b>	.67:1 Fixed Rear Projection HD Lens 1.1:1 Fixed Short Throw HD Lens
<b>VariScope™ Lens</b>	1.40-1.86:1 HD Lens 1.87-2.67:1 HD Lens 2.67-4.24:1 HD Lens 4.10-6.70:1 HD Lens
<b>Offsets</b>	+/- 120% Vertical, +/- 54% Horizontal (* +/-35%V +/- 12%H)
<b>Control</b>	IR, RS-232, RS-422, Ethernet, GPIO, Built-In Keypad and Display
<b>Operating Voltage</b>	100-240V AC @ 50/60Hz
<b>Max Current</b>	12A @100-120V, 8A @ 200-240V AC
<b>Max power</b>	1600W
<b>Dimensions (LxWxH)</b>	21.5 in. x 28.1 in. x 12.05 in., 546 mm x 714 mm x 306 mm
<b>Weight</b>	91 lbs (41.3 kg) (without lens)
<b>Operating Temp</b>	5 – 40°C (40 – 104°F)
<b>Environment</b>	Humidity: 20 - 80% non-condensing

All features and specifications subject to change without notice.

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