

Reference Xe™ Series



Reference Xe

THE NEW STANDARD OF EXCELLENCE

Wolf Cinema is dedicated to producing the finest home theater projectors available. Wolf's DCX projectors deliver Digital Cinema-like quality, powered by Xenon lamps – renowned for their long life and image fidelity. Reliability is inherent in each Wolf projector, with components hand selected for stability and performance. Our systems incorporate sophisticated cooling methods that are years ahead of the rest of the industry.

Xenon is to UHP as Sunlight is to Candlelight

Most consumer projectors utilize a type of lamp known as a UHP lamp. Originally developed for the corporate presentation market, performance of these lamps has improved over the years, but they cannot compete with Xenon arc lamps for either color accuracy or longevity. Xenon lamps produce light closest to the spectral distribution of natural sunlight. This pure light is the reason why Xenon lamps have been specified for both optical film projectors and professional digital cinema projectors for the past decades. Wolf DCX projectors make exclusive use of Xenon lamps for the same reasons: they provide the most color-accurate light source yet available.

Long Lamp Life

An additional benefit with Xenon lamps is their extended life. When properly specified in consultation with a Wolf technician, Xenon lamps can last substantially longer. Equally important, Xenon projected images look better and retain more peak white brightness throughout the life of the lamp. While it is not uncommon for a standard home theater projector to have its image quality and brightness degrade by as

much as 40% in the first few hundred hours, Wolf Cinema's professional Xenon lamps can last 2-3 times longer and will deliver a superior image throughout the lamp's life.

Wolf Cinema's Automatic Lamp Intensity Module

Beyond Xenon's inherent superiority, all Wolf DCX projectors employ a dedicated Lamp Intensity circuit. This module continually compensates for minute changes on the illuminating surface of the lamp. By doing so, we ensure the highest quality picture over the longest possible time.

Filmic Performance

The ultimate compliment to any Wolf Cinema performance is when we produce the most natural, lifelike images possible. While others strive simply to attain high quality video performance, Wolf engineers looked at the purest form of the visual entertainment arts—film—and sought to incorporate much of film's "look" and captivating realism into each performance. For example – and in just one key attribute of many in our projectors – each DCX projector is delivered with custom gamma curves that achieve a better looking, breathtakingly real film-like image. Gamma is a term used to describe an electrical compensation curve not unlike that which is achieved in audio via equalization. This equalization helps accurately transfer the image quality from the initial camera—whether film or digital—to the final output via the projector. Our engineers measured film and created an all-new suite of custom gamma curves, designed to complement each Wolf projector. The result? A spectacularly natural looking image, from a wide variety of sources.



There's even a gamma curve for black and white film, separate and distinct from color film! We employ the term "filmic" to describe this special look from all Wolf Cinema projectors.

VariScope

Produces Multiple Aspect Ratios

Did you know that over 60% of all films made were shot in the 1.85:1 aspect ratio? Few but Wolf can accurately portray this common aspect ratio without either imposing black bars top-and-bottom, or digitally stretching the image. When properly installed and calibrated, Wolf DCX projectors employ our motorized lens VariScope™ technology to deliver 1.78:1 (16:9), 1.85:1, 2.20:1, 2.35:1, 2.40:1 and numerous other aspect ratios, directly through the high-precision primary lens. Other projectors can only produce television-specific aspect ratios (typically 16:9), and require an outboard anamorphic lens to deliver one additional widescreen

VariScope™ Multiple Aspect Ratios





Wolf ProScaler

film aspect ratio. VariScope's precision motorized zoom/focus lens technologies can accurately recall dozens of aspect ratios, and down to the precision of 1/2 of a single pixel. For the true film enthusiast you can combine our precision primary VariScope lenses with a VariScope Ultra™ cinema-grade anamorphic lens kit, achieving the widest film aspect ratios ever made.

Live Life Large with a Wolf ProScaler™

We're proud of the Wolf ProScaler that features 6 HDMI inputs, multiple component and composite inputs – plus provides an HDMI loop-through audio output to connect to your home theater surround system. Our ProScaler works seamlessly with the main onboard computer in a DCX projector; it not only processes video at a level that would have been unimaginable just a few short years ago, but also executes the seamless command structure between all system components.

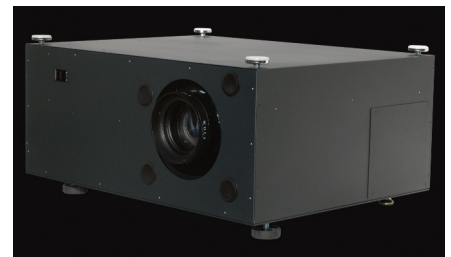
Which Wolf Cinema projector is right for you?

Screen Size: In general: for screens between 8' and 12' horizontal screen width, we recommend the DCX-500. When firing on screens between 10' and 15' the DCX-1000 becomes the clear

choice, and on screens larger than 15' wide go with the DCX-1500.

Screen Material: A number of high quality screens exist — let us help you make the right screen choice when paired with a Wolf Cinema projector. Screens are a critical component in the video fidelity chain; please do not hesitate to call Wolf Cinema to discuss your particular theater and screen requirements. In general, it is possible to say that we prefer screens that reproduce the most accurate contrast and colorimetry performances, over those that emphasize other attributes (such as screen gain).

Ambient Light Conditions: The desire to watch a film with the lights on, even at a moderate level, will have an impact on the projector and screen recommendations. Any ambient light in your theater will require higher light output from your Wolf projector, plus perhaps different screen materials. As one of our mission-critical performance goals is long and reliable projector life, we specify our projectors to run comfortably within their heat output ranges during normal operation. It may be necessary to move up one projector class in those situations that require viewing in rooms with higher ambient light conditions.



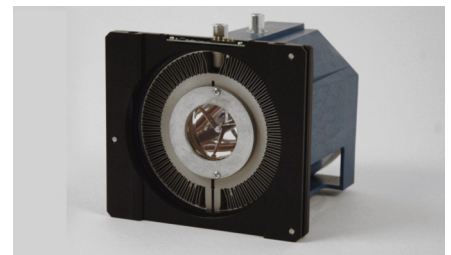
DCX Integrator ("I") chassis



VariScope Ultra™ Anamorphic Lens



VariScope precision zoom lenses



Wolf's Xenon Arc Lamp

Reference Xe

Specifications	DCX-500i / DCX-500FD	DCX-1000i / DCX-1000FD	DCX-1500i / DCX-1500FD
Light Engine	Cinema Contrast three-chip DLP™ light engine	Cinema Contrast three-chip DLP™ light engine	Cinema Contrast three-chip DLP™ light engine
Color Filter	Filmic Color Correction Filter	Filmic Color Correction Filter	Filmic Color Correction Filter
Lamp	Xenon lamp 500W	Xenon lamp 1000W	Xenon lamp 1225W
Primary Lens	VariScope™ Variable Aspect Ratio Lens	VariScope™ Variable Aspect Ratio Lens	VariScope™ Variable Aspect Ratio Lens
Lens Options	.67:1* RP lens 1.87-2.47:1 1.1:1* FP lens 2.67-4.24:1 1.40-1.86:1 4.10-6.70:1	.67:1* RP lens 1.87-2.47:1 1.1:1* FP lens 2.67-4.24:1 1.40-1.86:1 4.10-6.70:1	.67:1* RP lens 1.87-2.47:1 1.1:1** FP lens 2.67-4.24:1 1.40-1.86:1 4.10-6.70:1
Gamma Correction	Film 1 Correction, Film 2 Correction, B&W Film Correction, Incandescent Light Correction, Fluorescent Light Correction, Sunlight Correction	Film 1 Correction, Film 2 Correction B&W Film Correction, Incandescent Light Correction, Fluorescent Light Correction, Sunlight Correction	Film 1 Correction, Film 2 Correction B&W Film Correction, Incandescent Light Correction, Fluorescent Light Correction, Sunlight Correction
Picture Quality	Multi Standard Color Management and Calibration Control White Field Uniformity/Correction	Multi Standard Color Management and Calibration Control White Field Uniformity/Correction	Multi Standard Color Management and Calibration Control White Field Uniformity/Correction
Communications	RS232 in and out / IR input	RS232 in and out / IR input	RS232 in and out / IR input
Inputs	6 HDMI 1.3 inputs (1 on front panel), 2 Component, 1 S-Video, 1 Composite	6 HDMI 1.3 inputs (1 on front panel), 2 Component, 1 S-Video, 1 Composite	6 HDMI 1.3 inputs (1 on front panel), 2 Component, 1 S-Video, 1 Composite
Outputs	1 HDMI 1080P Video (set to native rate of display) 1 HDMI audio loop out	1 HDMI 1080P Video (set to native rate of display) 1 HDMI audio loop out	1 HDMI 1080P Video (set to native rate of display) 1 HDMI audio loop out
Contrast Ratio	2,500- 50,000:1 full on/off **	2,500- 50,000:1 full on/off **	2,500- 50,000:1 full on/off **
Lumens	2500**	5500**	7250**
Lamp Life	DCX-500i: 2000 to 4000 DCX-500FD: 3000 to 4000 depending on lamp power setting	DCX-1000i: 2000 to 4000 DCX-1000FD: 3000 to 4000 depending on lamp power setting	DCX-1500i: 2000 to 4000 DCX-1500FD: 3000 to 4000 depending on lamp power setting
Power	100 VAC to 240 VAC ± 10% @ 50/60 Hz, Power consumption: 900W maximum, Thermal dissipation: 3000 BTU/hr, Operating current: 9.5A @ 100V/5A @ 200V	100 VAC to 240 VAC ± 10% @ 50/60 Hz, Power consumption: 900W maximum, Thermal dissipation: 3000 BTU/hr, Operating current: 9.5A @ 100V/5A @ 200V	100 VAC to 240 VAC ± 10% @ 50/60 Hz, Power consumption: 900W maximum, Thermal dissipation: 3000 BTU/hr, Operating current: 9.5A @ 100V/5A @ 200V
Dimensions	DCX-500i (LWH) 21.5 x 28.25 x 11.5 in 546.1 x 717.55 x 292.1mm Weight: 91 lbs (41.3 kg) DCX-500FD (LWH) 41.625 x 29.875 x 12.128 in 1066.8 x 762 x 305mm Weight: 183 lbs (83 kg)	DCX-1000i (LWH) 21.5 x 28.25 x 11.5 in 546.1 x 717.55 x 292.1mm Weight: 91 lbs (41.3 kg) DCX-1000FD (LWH) 41.625 x 29.875 x 12.128 in 1066.8 x 762 x 305mm Weight: 183 lbs (83 kg)	DCX-1500i (LWH) 21.5 x 28.25 x 11.5 in 546.1 x 717.55 x 292.1mm Weight: 91 lbs (41.3 kg) DCX-1500FD (LWH) 41.625 x 29.875 x 12.128 in 1066.8 x 762 x 305mm Weight: 183 lbs (83 kg)
Dimensions with VariScope Ultra	DCX-500i (LWH) 31.75 x 28.25 x 11.5 in 958.85 x 717.55 x 292.1mm Weight: 122 lbs (55.4 kg) DCX-500FD (LWH) 41.625 x 29.875 x 12.125 in 1066.8 x 762 x 305mm Weight: 197 lbs (89.4 kg)	DCX-1000i (LWH) 31.75 x 28.25 x 11.5 in 958.85 x 717.55 x 292.1mm Weight: 122 lbs (55.4 kg) DCX-1000FD (LWH) 41.625 x 29.875 x 12.125 in 1066.8 x 762 x 305mm Weight: 197 lbs (89.4 kg)	DCX-1500i (LWH) 31.75 x 28.25 x 11.5 in 958.85 x 717.55 x 292.1mm Weight: 122 lbs (55.4 kg) DCX-1500FD (LWH) 41.625 x 29.875 x 12.125 in 1066.8 x 762 x 305mm Weight: 197 lbs (89.4 kg)
Dimensions	ProScaler (WHD) 17.25 x 3.75 x 10.5 in 438.15 x 92.25 x 266.7mm Weight: 10 lbs (4.5 kg)	ProScaler (WHD) 17.25 x 3.75 x 10.5 in 438.15 x 92.25 x 266.7mm Weight: 10 lbs (4.5 kg)	ProScaler (WHD) 17.25 x 3.75 x 10.5 in 438.15 x 92.25 x 266.7mm Weight: 10 lbs (4.5 kg)
Options	VariScope Ultra Automated 2.35 lens and motor for use with VariScope lenses Wolf Warp Geometric distortion correction for more flexible installation solutions	VariScope Ultra Automated 2.35 lens and motor for use with VariScope lenses Wolf Warp Geometric distortion correction for more flexible installation solutions	VariScope Ultra Automated 2.35 lens and motor for use with VariScope lenses Wolf Warp Geometric distortion correction for more flexible installation solutions

Note: "i" suffix – indicates the black custom integrator chassis
"FD" suffix – indicates a full dress, aluminum clad chassis

* VariScope feature not available with this lens option
**depending on lamp power setting, installed iris and iris setting

Distributed world wide by Sumiko
2431 Fifth St. Berkeley . CA 94710
Tel: 510.843.4500 . Fax: 510.843.7120

www.wolfcinema.com

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