

# Orion Cinemascope

Stunning high-capacity 2.37:1 native aspect DLP engine, co-developed by Barco engineers in partnership with Texas Instruments.



- Theater Room Series
- 2K Cinemascope Resolution (2,560 x 1,080)
- 350W UHP Lamp
- Up to 2,000 ANSI Lumens

The Orion Cinemascope offers the same enhancements as its Barco Orion stable-mate, coupled with a stunning high-capacity 2.37:1 native aspect DLP engine, co-developed by Barco engineers in partnership with Texas Instruments. This original design allows a 2.35:1 film to be displayed in the home without the use of an anamorphic lens or by overshooting the projector to fill the screen. Married to this advancement in display device technology is Barco's renowned image processing and implementation of our proprietary auto aspect ratio detection and scaling technologies.

## In-house Design & Manufacturing

Barco Residential projectors are designed and manufactured in-house with the greatest of care. Because our fervent desire is to serve you with the best image quality available anywhere, we keep it all in-house, with direct control over all development and manufacturing.

## Cinemascope

The Barco Residential Cinemascope format uses 78% more pixels for native 2.37:1 versus a standard 1080p projector with a Blu-ray disc 2.37:1 format movie. This increase in resolution is achieved without compromising image quality: when the image goes from 1.78 to 2.35, the projector uses increased native resolution to expand the width and height uniformly.

## Color Management & Image Processing

With its high-performance optics that delivers razor-sharp images, the Orion Cinemascope displays flawless images with vivid and saturated colors, and rich in contrast. Producing very low noise levels, the Orion Cinemascope also features RealColor™ color management, Smear Reduction Processing™ and high frame rates.

**PRODUCT SPECIFICATIONS****ORION CINEMASCOPE**

Projector type	"single chip projector with all glass optical design with replaceable projection lenses and lens shift"
Resolution	2560x1080
Light output	1500 and 3800 lumens
Contrast ratio	>2300-5300* : 1 ( *w/iris)
Lens range	0.28 : 1, 0.79, 0.99, 0.86 – 1.16, 1.,14 – 1.74, 1.71-2.37 : 1
Optical lens shift	adjustable: vertical and horizontal, depending on lenses
Lamps	1 x 350W UHP (dimnable)
Lamp lifetime (typical)	Up to 2,000 hours (Full power), Up to 2,500 hours (Eco mode)
Transport with lamp	yes
Sealed DLP™ core	standard
Compatibility	"2K/1080i/p, 720p, 576i/p, 480ip, PAL SECAM, NTSC digital and analogue RGB"
3D	"active eyewear (optional), 2x optix cinemascope(stacked): INFITEC EX® 3D and Active Stereo IR, RF models "
Inputs	"2x DisplayPort 1.2 (HBR2), 1 x DVI-Dual Link, 1 x HDMI 1.4a, 1 x VGA, 2x 3G-SDI, 1x HDBaseT"
Control	IR, 1x RS232, 1 x RJ-45 TCP/IP, USBA, 2x BNC sync, 1x MiniDIN
AC power	100-240V 50-60Hz
Power consumption	less than 530W
Operating temperature	10 -40 °C /50 -104 °F, 0-3,000m
operation humidity no condens	20 -80% RH (Storage Conditions: 10 -90% RH)
Dissipation BTU	max 1,807 BTU/h
Installation	table top, ceiling mount, straight down or up.
Dimensions (WxLxH)	"342 x 306 x 143 mm 13.46 x 12.05 x 5.63 in"
Weight	7.5 kg / 16.5 lbs
Shipping Dimensions	
Housing color	black and white
Certifications	Compliant with FCC, part 15 Class A and CCC, cCSAus, cUL, UL and CE
Warranty	Limited 3 years parts and labour

Last updated: 01 Mar 2021

Technical specifications are subject to change without prior notice. Please check [www.barco.com](http://www.barco.com) for the latest information.