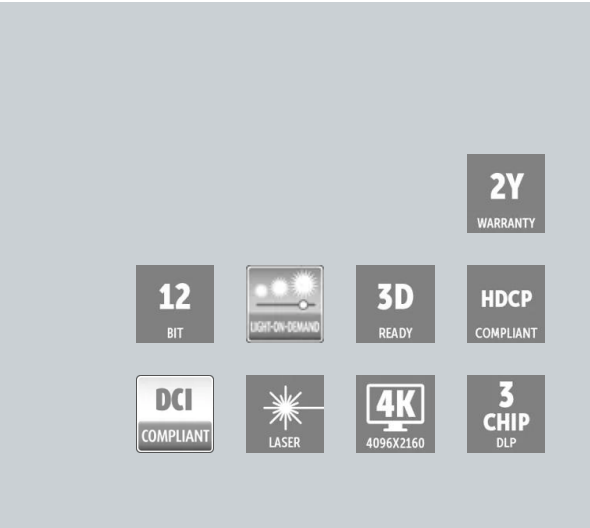
Thor+

The hammerwielding god of lightning, brings 6P RGB laser projection to the most exclusive homes for the first time.



- **Cinema at Home Series**
- **Native 4K Resolution (4, 096 x 2,160)**
- **6P RGB Laser**
- **Up to 32,000 ANSI Lumens**

The Thor platform represents the pinnacle of Barco Residential's projection portfolio.

Thor's perfectly designed, 6P RGB laser technology, 32,000 lumen output and hermetically sealed 4K DLP® engine, delivers reality altering levels of immersion for the largest home theatres.

World's most powerful residential projector

Thor+ is the world's most powerful residential projector with integrated laser 6P RGB laser, 4K 3D projection solution for Cinema at Home. In order to reliably achieve long lifetime at brightness levels twice that of xenon projectors, a sophisticated control system actively cools both laser modules and the DMD engine, providing a predictable 30,000 hour lifetime with at least 80% of the initial brightness.

Laser speckle

Thanks to Barco's industry-leading technology to minimize laser speckle, Thor+ is able to provide superior 2D and 3D images on both white and silver screens.

Color convergence mechanism

Thor+ also features our unique and highly acclaimed analog color convergence mechanism. By allowing the green and red DMD chips to be manually adjusted, perfect convergence can be achieved. This attention to detail renders images sharper and more immersive than ever before.

Hand built

Not every projector can claim to be handbuilt, Thor can. Even though we are

Not every projector can claim to be handbuilt, Thor can. Even though we are using state-of-the-art technologies for most processes – such as measuring, calibrating, assembling our electronics, and manufacturing the delicate optics and mechanics – every single step of the process is overseen by specifically trained professionals. Moreover, the assembly of vital parts is performed by hand, guaranteeing ultimate quality at all stages of manufacture.

Specifiche tecniche	THOR+
Specifiche generali	
Tipo di proiettore	Three chip DLP
Tecnologia	3 x 1.38" DMD™
Risoluzione	4,096 x 2,160 (4K)
Proporzioni	1.89:1
Sorgente luminosa	6P RGB Laser
Durata sorgente luminosa	30,000 Hours or more Replaceable illumination
Emissione luminosa	Up to 32,000 ANSI lumens
CLO (Constant Light Output)	Yes
Rapporto di contrasto	6,000:1 Sequential 1,100:1 ANSI w/High Contrast Lens
Uniformità della luminosità	80% at sides 75% at corners
Intervallo obiettivo	(R98013983) -4K-VHC HDR (1.13 - 1.72:1) * (R98013333) -4K-VHC HDR (1.35 - 1.84:1) * (R98013343) -4K-VHC HDR (1.45 - 2.10:1) * (R98013533) -4K-VHC HDR (1.65 - 2.70:1) * (R98013543) -4K-VHC HDR (1.98 - 3.40:1) * (R98562942) -DC4K HC (1.35 - 1.86:1) (R98562972) -DC4K HC (1.46 - 2.10:1) (R98563002) -DC4K HC (1.65 - 2.60:1) (R98563032) -DC4K HC (2.00 - 3.35:1) * Standard Lens Option(s)
Spostamento obiettivo ottico	Up to 25% vertical lens shift & up to 15% horizontal lens shift Motorized zoom, focus, shutter and lens shift Download Lens Data Here
Inclinazione	20° Forwards 5° Backwards
Schermo paraluce ottico	Yes
Correzione del colore	P7
Gamma di colori	REC2020
Elaborazione delle immagini	Alchemy - Integrated Cinema Media Processor (ICMP)
WARP	N/A
Orientazione	Pedestal / Table Top
Connessione in rete	10/100 Ethernet via RJ45 connection
Strumenti software	Barco Communicator
Server web integrato	No
HDR	HDR10
3D	Color3D (Barco Laser3D): Native 6-primary color-3D system. Only requires color filter glasses (Dolby3D glasses cannot be reused) Active glasses systems Polarization recuperation systems
Ingressi	Barco Alchemy ICMP included in the projector: 2 x HDMI2.0a (up to 4K 2D 60fps) 2 x 3G-SDI inputs 16 x AES/EBU audio channels (2 x RJ45) 8 x GPI, 8 x GPO (4 x RJ45) 2 x Gbe for content connectivity & ingest 2 x front-accessible USB 3.0 for fast ingest 2 x front-accessible USB 2.0 DCI 4K 2D up to 60fps* DCI 4K 3D (24 or 30fps per eye)* DCI High Frame Rates 2K 3D up to 120fps (60fps per eye) JPEG 2000 bit-rates up to 625 Mbps MPEG-2 (4:2:0 and 4:2:2 up to 60fps)
Risoluzioni in ingresso	VGA up to 4K (4,096 x 2,160) @ 120Hz
DCI	DCI Compliant
Archiviazione integrata	3.9TB effective storage (RAID-5) via 3 x 2TB Hot-swappable 2.5" hard-drives
Controllo	RS232, TCP/IP, 8 x GPIO

Specifiche tecniche	THOR+
Requisiti di alimentazione	Projector: Y connection: 200-240V / 346-415V 50-60Hz 16A 3W+N+PE Power cord size range: 4 sq mm to 6 sq mm, 10AWG to 8AWG Circuit breaker range: 25A to 40A Delta connection: 200-240V 3W+PE 28A 50-60Hz Power cord size: 6 sq mm, 8AWG Circuit breaker: 40A Chillers (each): Y connection: 230/400V 3W+N+PE 16A 2.5 sq mm Delta connection: 208V / 3W+PE Max. 16A per phase
Consumo energetico	Projector (Full Laser Power): 6.7 kW (2D or Polarization 3D) 3.6 kW (Barco Laser3D - 6P) Chillers (each) (Full Laser Power): 3.0 kW (2D or Polarization 3D) 2.5 kW (Barco Laser3D - 6P)
Livello di rumore (tipico a 25°C/77°F)	Projector (w/Chillers): 77dB(A) - Max fan speed (start up phase) 57dB(A) - Stable state Projector (w/o Chillers): 52db(A)
Intervallo temperature in funzionamento	10 to 30 °C Max. (sea Level)
Umidità in funzionamento	75% Max. (projector and chillers)
BTU per ora	32,150 BTU/h
Requisiti per flusso d'aria	Air Inlet (from Rear w/Feet Down): TBC Exhaust (from Rear w/Feet Down): TBC
Ventilazione di scarico	TDB
Dimensioni (PXLXA)	Projector: 742 x 1,446* x 706 mm (includes feet / excludes lens) 29.2 x 56.9 x 27.8 in. (includes feet / excludes lens) Chillers (each): 701 x 701 x 800 mm 27.6 x 27.6 x 31.5 in. * Excludes allowance for chiller hoses
Peso	Projector: 235 kg / ~520lbs (excludes lens) 2 x Chillers (each): ~115 kg / ~250 lbs
Dimensioni con imballo	TBC (excludes lens - packaged separately)
Peso con imballo	TBC (excludes lens - packaged separately)
Accessori standard	TBC
Certificazioni	CE; ETL/UL/FCC, CCC
Garanzia	Limited 3 years parts and labor Extendable up to 5 years
Requisiti di sicurezza	Class 1, Risk Group 3
*	Firmware upgradable Please contact an authorized Barco representative for details

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