

4K
UHD

XXL Screen size

HDR
BT.2100



LASER TECHNOLOGY 3000 Lumens

*Cine*VERSUM

V1.0

photo by courtesy of Clarity AV
Singapore



FORCE 4K

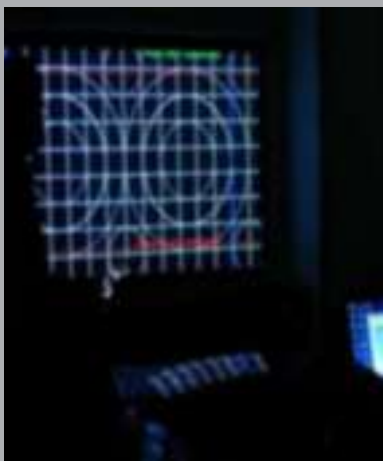
HIGH BRIGHTNESS LASER LIGHT PROJECTOR





THX[®]
4K DISPLAY

The new **FORCE 4K** is born



Pertaining its advance in the use of Laser illumination for Home Cinema projectors, Cineversum strikes again with the new **Force 4K**.

| 3000 ANSI Lumens and infinite contrast ratio projector

This extremely bright light output of 3,000 lumens is obtained by stacking 3 powerful laser modules, coupled with a high-end optical lens F/2.4. By finely controlling the light power with the Smart Laser Power Level Management (SLPLM™), the **Force 4K** is capable of producing highly contrasted images and yet extremely bright.

| 20,000 hours of peace of mind

Our original design makes an innovative use of inorganic, non-spinning laser LEDs organized on 3 banks, making the light source naturally redundant and dust resistant. Additionally, the system lifetime is at least 20,000 hours, making logistic and operational costs involved ridiculously low, The lamp failure stress is going to be a bad souvenir.



3 x 8 Laser LEDs banks

| Bright and sharp enough for XXL screens

Because the Laser light sources are 10 times more efficient and more powerful than classic LED lights, the **Force 4K** produces a stunning image, powerful enough to fill screens up to 5m50 wide at THX highest standards and still having some room to go even larger.

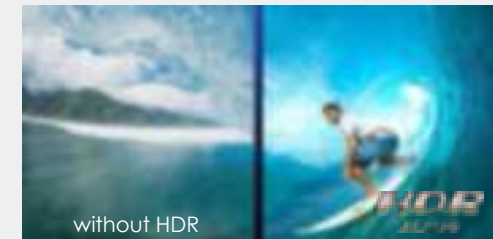
Going with very large screens would be meaningless if the picture were to be dull and flat. This is why we use 4K panels with a native resolution of 4096 x 2160 pixels. The use of laser light is also benefitting the picture quality. The picture is even sharper, the colors are purer.

| Improved installation versatility

Thanks to the high precision motorization of the lens and to a bigger optical assembly, the optical shift range has been greatly increased. Vertically up to 100% up or down, and horizontally 43% left or right. Additionally, the electronic 2x zoom of the high quality lens enables a vast choice of projection distance.

| Richer color space and High Dynamic Range

The **Force 4K** comes with color space presets precisely calibrated to most current standards such as BT.709 or DCI-P3. Also it is capable of covering more than 80% of BT.2020 color gamut. Not only the **Force 4K** integrates of the latest UHD recommendations such as THX or Perceptual Quantization gamma curves, but it also supports the future standards such as the Hybrid Log gamma from BBC and NHK broadcasts.



Enhanced picture thanks to the new HDR and color ranges.



Force 4K input panel view

Model Version	Force 4K	
P/N	RZ201740	
Native Resolution	D-Cinema 4K- 4096 x 2160 pixels	
Aspect Ratios	19:10 (native), 16:9 (Full-HD), 2.39:1 (Cinemascope crop)	
Panel Technology	Three chip 0.69" LCoS panels	
Illumination	Brighthness	3,000 ANSI Lumens (typical)
	Type	Laser Light Source modules (x3 banks of 8 Laser LED - naturally highly redundant)
	Estimated Life	20,000 hours
Contrast Ratio	Infinite:1 (with SLPLM™)	
Noise	25 dB (in low LD power mode)	
Video Inputs	2x HDMI 2.0a with HDCP 2.2	
Output	1x mini-DIN 3 pins - VESA 3D syncro signal 1x 12V Trigger	
Control	1x RS-232 in 1x RJ-45 web interface(10/100 Mbps) 1x IR Remote control	
Video-Processing	4K MPC enhancement HDR with PQ gamma (HDR10) HDR with HLG (Hybrid Log Gamma, BBC & NHK) Smart Laser Power Level Management (SLPLM™) Low Latency mode (< 3 frames)	
Colors	BT.709, BT.2020 and Xenon color spaces	
Lenses	Optical Shift	Motorized ($\pm 100\%$ vertically $\pm 42\%$ horizontally)
	Zoom	Motorized 2x Zoom 1.37:1 - 2.77:1
	Focus	Motorized
Options	Replacement Air Filter	RZ201741
	Replacement Sponge Filter	RZ201742
	Ceiling Mount	RZ201743
	3D RF dongle	R1048229
	Standard 3D Passive Kit	R1048225
	Ultimate 3D Passive Kit	R1048233
Power	100-240 VAC @ 50/60 Hz (6A max)	
Consumption	750 W max	
Dimensions (WxDxH)	59 x 78 x 28 cm (23.2 x 30.7 x 11.0 inches)	
Net Weight	45 Kg (99 lbs)	

