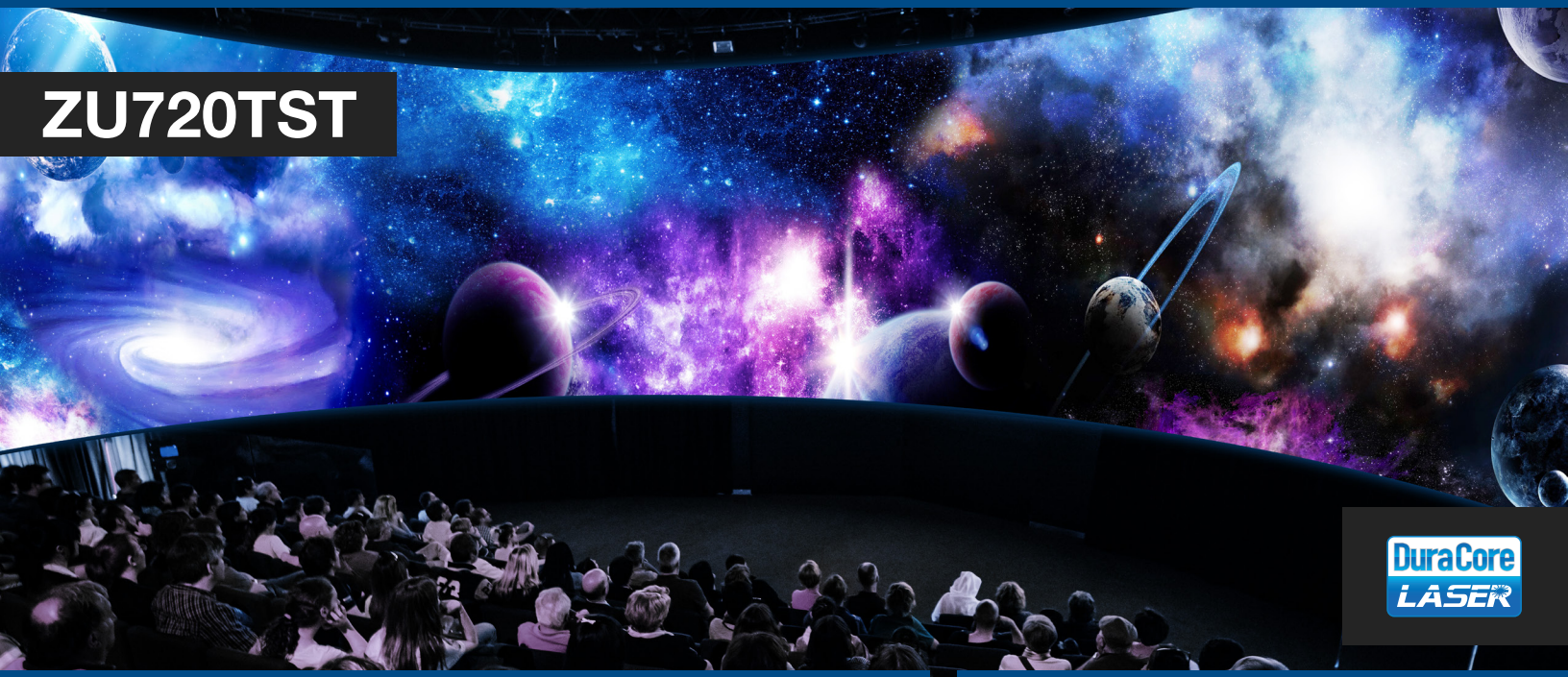
World's First Fixed Lens 7,000 Lumens Laser Short Throw Projector



ZU720TST

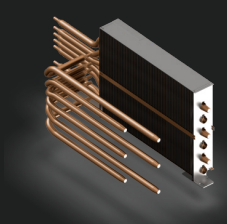
DuraCore LASER

- Bright 7,000 lumens and WUXGA native resolution
- 0.75 - 0.95:1 short throw ratio with full motorized lens-shift, power 1.26x zoom and focus
- Compact, lightweight chassis & quiet operation
- Embedded Android OS with OTA updates & built-in media player
- DuraCore maintenance-free laser light source up to 30,000 hours (Eco) with 24/7, 360° and portrait mode operation
- Integrated edge-blending, image warping
- 4K UHD (HDMI 2.0) input with HDR compatibility
- Integrated HDBaseT, robust digital and analog connectivity

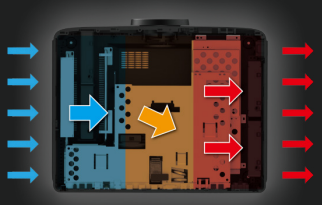
Project incredible 7,000 lumens, WUXGA images from several feet away with the next-generation Optoma ProScene ZU720TST, the world's first fixed lens 7,000 lumens short throw laser projector. The fixed lens design with motorized 1.26x zoom, focus, lens-shift, integrated warping and blending combined with a compact, lightweight chassis provide extreme installation flexibility in auditoriums, large conference rooms, lecture halls, houses of worship and blended multi-projector installs.

The next-generation projector features DuraCore technology, an IP5X-certified optical engine and advanced thermal design for quiet operation with up to 30,000 hours (Eco) of virtually maintenance-free, 24/7, 360° and portrait mode operation. An embedded Android OS ensures quick and easy over-the-air software updates with advanced software functions.

Advanced Thermal Design

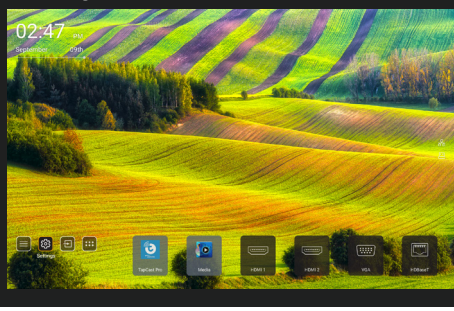


An efficient thermal design with optimized air flow path aids heat dissipation, resulting in lower fan speeds for cool and quiet operation in a compact chassis.



Android OS with Media Player

The embedded Android OS with built-in media player transforms the ProScene ZU720TST into a next-generation all-in-one powerhouse with a modern and user-friendly interface. Integrated media playback enables the projector to function without a video source connected.



Optoma | Experience more

DuraCore LASER

ZU720TST

PRO|SCENE

OPTICAL/TECHNICAL SPECIFICATIONS

Display Technology	Texas Instruments™ 0.67" WUXGA DMD
Color Wheel	4 segment RGBY
Native Resolution	WUXGA (1920 x 1200)
Maximum Input Resolution	HDMI 2.0: 4K UHD (3840 x 2160) HDMI 1.4: WUXGA (1920 x 1200)
Brightness	7,000 ANSI lumens
Contrast Ratio	1,000,000:1 (Extreme Black enabled) 2,000:1 (full on/off)
Displayable Colors	1.07 billion
Light Source Life*	Up to 30,000 hrs (Eco), 20,000 hrs (Normal)
Light Source Type*	Laser
Projection Method	360˚, portrait, front, rear, ceiling mount, table top
Lens Shift	±15% horizontal, ±50% vertical (motorized)
Keystone Correction	±30° horizontal/vertical
Geometry	Four corner, integrated image warping
Uniformity	85% (±5%)
Offset	Center lens design
Aspect Ratio	16:10 (native), 16:9, 4:3, auto compatible
Throw Ratio	0.75 - 0.95
Projection Distance	2.7'- 20.1' (without zoom)
Image Size	50" – 300"
Projection Lens (focal length)	11.11 ~ 14.16mm
Optical Zoom	1.26x (motorized)
Digital Zoom	0.95 - 2.0x
Audio	2x10W (stereo)
Noise Level	29dB (Normal), 27dB (Eco)
Remote Control	Full size remote
Operating Temperature	41–104°F (5–40°C), 85% max humidity
Power Supply	AC input 100–240V, 50–60Hz, auto-switching
Power Consumption	Normal mode: 510W ±15% Eco mode: 320W ±15% @ 110Vac Standby mode: < 0.5W
High Altitude	Operating temperature at sea level up to 10,000 feet = 104° F (max); Must manually switch to high altitude mode from 5,000 feet and above (using OSD menu) to maintain optimal functionality.

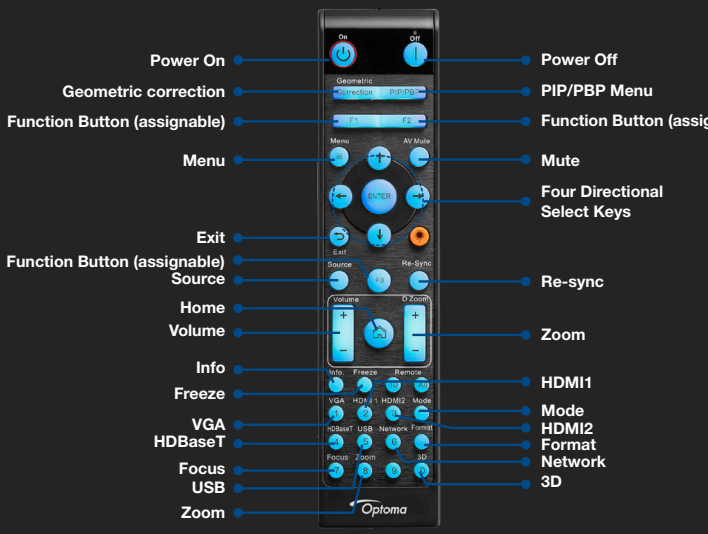
COMPATIBILITY SPECIFICATIONS

USB Media Player Compatibility	Videos: 480p, 720p, 1080p, 1440p, 4K UHD HDR Files: MP4, MPEG4, AVI, H.264, WMV Audio: MP3, AAC, WAV Images: JPEG, BMP
Computer Compatibility	VGA, SVGA, HDTV(720P), WXGA, WXGA+, SXGA, SXGA+, UXGA, HDTV(1080p), WUXGA, 4K UHD (24/30/50/60Hz)
Video Input Compatibility	PAL, SECAM, 576i/p, NTSC, 480i/p, HDTV 720p/1080i/1080p, 4K UHD (24/30/50/60Hz)
3D Compatibility†	Supports all HDMI 1.4a mandatory 3D formats (Frame pack, side-by-side, top-bottom) and up converts frame rate from 60Hz to 120Hz or 24Hz to 144Hz (i.e. 60 or 72 frames per eye). 3D glasses are needed and sold separately. Refer to user manual for details.
Vertical Scan Rate	24 ~ 85 Hz (120 Hz for 1080p 3D feature)
Horizontal Scan Rate	15.375 ~ 91.146 KHz
User Controls	Graphic user interface and on-screen menu in 27 languages
I/O Connection Ports	1x HDMI 2.0 (HDCP 2.2), 1x HDMI 1.4a, 1x HDMI out, 1x HDBaseT, 1x VGA (YPbPr), 1x 3D sync, 1x 3D sync out, 1x audio (3.5mm), 1x audio out (3.5mm), 2x USB power (1.5A), 1x USB Type B (service), 1x 12V trigger
Control	1x wired IR, 1x RJ-45, 1x RS-232C

PHYSICAL SPECIFICATIONS

Security	Kensington® lock port, password (OSD)
Weight	28 lbs
Dimensions (W x H x D)	19" x 6" x 15" (doesn't include feet or lens ring)

1. 12V trigger out
2. Wired IR in
3. USB (service)
4. HDBaseT in
5. RJ-45 (LAN)
6. HDMI 1.4a in
7. HDMI 2.0 in
8. HDMI out
9. VGA in (YPbPr)
10. 3D sync in
11. 3D sync out (5V)
12. USB power (1.5A)
13. USB power (1.5A)
14. Audio in (3.5mm)
15. Audio out (3.5mm)
16. RS-232C
17. Control Panel
18. Kensington® Lock
19. Power switch
20. AC power



Warranty

3 Year parts and labor limited warranty on the projector with first year advance replacement, 5-year or 12,000 hour light source warranty (whichever comes first)

What's in the Box

ZU720TST projector, AC power cord, remote control, batteries for remote, quick start user manual

Accessories

Remote (replacement): BR-3004A
Universal ceiling mount: BM-9004U
4K UHD Casting and mirroring adapter: UHDCast Pro
QuickCast Pro 4K HDMI starter kit: QCP-SK-4K-HDMI (1 TX and 1 RX)
QuickCast Pro 4K HDMI starter kit: QCP-4K-KIT (2 TX, 1 RX, 1 Cradle)

UPC 796435 44 492 1

*Light source life is dependent on brightness mode, display mode, usage, environmental conditions and more. Light source brightness can decrease over time.
†Watching 3D projection while wearing 3D glasses for an extended period of time may cause headaches or fatigue. If you experience a headache, fatigue or dizziness, stop viewing the 3D projection and rest.
Portrait orientation must follow the recommended positions. Please consult the user manual for further info.