CHRISTIE
BOXER SERIES

Still the reigning champ

Christie Boxer is the #1 selling high brightness projector over 28,000 lumens in the market.[1]

CHRISTIE®

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BOXER SERIES

The Christie® Boxer Series of 3DLP® projectors represents the smartest, brightest and lightest high-performance, professional projectors available. Engineered, designed and built in our world-class facility, this series is the culmination of working closely with leading staging companies and AV professionals to understand their specific needs and expectations.

Weighing in at a svelte 160lbs and including superior connectivity and a host of smart monitoring features, the Boxer Series packs a punch for high-impact visual events.

Pound-for-pound, the top performing projectors available

Christie TruLife™ electronics - a quantum leap in video-image processing, this platform forms the basis for the latest generation of projectors capable of delivering ultra-high resolution, high-frame-rate video with unprecedented image fidelity. The only electronics in the market to have 1.2Gps bandwidth ensuring high quality 4K signals aren't compromised by compression or the addition of artifacts due to inadequate processing.

Pixel perfect images - all the time. When we say 4K@60 and 4K@120 we mean true pixel perfect 4K (4096 x 2160) at the stated frame rate. No tricks. No scaling. No motion artifacts from pixel shifting and no edge enhancement artifacts. When applications require precise, accurate content, with high resolution and high frame rates, on a display larger than 100", nothing compares.

- Native 4K DMD ensures every pixel gets perfectly replicated and displayed full time
- Boxer 2K upscales content to be displayed on a 4K DMD which means 2K looks better

6 Mercury lamps designed for long life - 1500 hrs to 70%, 2500 hrs to 50% – Boxer's lamp tray system is designed to easily get you back to full brightness in minutes keeping Boxer looking as good as it did on Day 1.


CHRISTIE
LENS RELEASE

BUILT WITH THE USER IN MIND

Short timelines, tight budgets and high expectations. AV professionals have enough to worry about – their projectors shouldn't be one of them. That's why we've optimized the Christie® Boxer to provide an exceptional and intuitive, profit-focused user experience.

- Low cost of ownership
- Low maintenance
- Several models to choose from
- Compact, lightweight and rugged
- Smallest 30K projector on the market
- 360-degree omnidirectional
- Easy rigging and stacking
- Near Field Communication (NFC) enabled
- On-board toolkit
- Low power preview mode
- Accepts HDR10 signals
- High bandwidth multi-input card (HBMIC)
- Full bandwidth point-to-point fiber capabilities
- AV system integration with Terra® SDVoE input card
- Built-in Christie Twist™ image warping and blending software
- Compatible with Christie Mystique® Install
- User-friendly interface

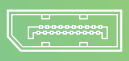
Superior connectivity

	Boxer	Competitor A	Competitor B
Direct Fiber 40G (Christie Link)	› Standard		
SDVoE (Christie Terra®)	› Optional		
12G-SDI	› Standard (x2)		
Multi 3G-SDI	› Optional	› Standard	› Standard
DisplayPort™ 1.2	› Standard	› Standard	
Multi-DisplayPort 1.1	› Optional		
HDMI 2.0	› Standard	› Standard	
Multi HDMI	› Optional		
Multi DVI-D	› Optional		
HDBaseT™	› Standard	› Standard	› Standard


Direct Fiber 40G


SFP+ 10G


12G-SDI


DisplayPort


HDMI


DVI-D


HDBaseT

Christie TruLife electronics platform

The Christie TruLife™ electronics platform is the basis for the latest generation of projectors capable of delivering ultra-high resolution, high-frame-rate video with unprecedented image fidelity. Leveraging the latest in FPGA integrated circuits and a proprietary floating point architecture (the equivalent of 25 bits fixed point processing resolution), Christie TruLife supports a video-processing pipeline of up to 1.2 Gigapixels per second (GPix/s), enabling the only 4K DLP® image processing at 120Hz – unmatched performance in the market.

A standard feature on all 2K Boxer® models, Christie TruLife Lite provides superior video processing for 2K and HD sources. Using the proprietary floating-point processing engine, Christie TruLife Lite provides increased dynamic range and superior scaling for an exceptional visual experience up to 60Hz performance.

BEYOND THE BOX

Christie Twist for warping and blending arrays
Manage arrayed projectors to display virtually any image, anywhere with Christie® Twist™. Christie Twist allows pixels to be mapped more easily onto any projection surface, maintaining proper geometry and accurate pixel-to-pixel alignment. The free software download controls image warping and blending for up to six Boxers® in the same array. Optional Christie Twist Premium and Pro software support additional projector arrays and enhanced controls.

Image on curved screen – without blending

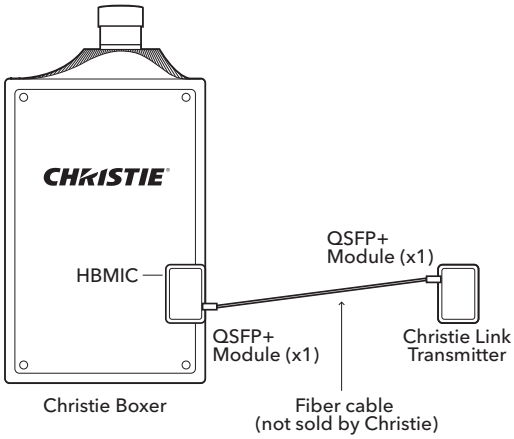
Curved screen – with blending

Christie Virtual Remote – a versatile wireless projector control app
The Christie Virtual Remote app provides a Wi-Fi® projector control alternative for Android™ smartphone or tablet which can be used anywhere, while maintaining all the capabilities of the standard IR remote. Users can scan for available projectors on the network to add them to a group or manually type in the IP address of the desired projector.

Perfectly aligned arrays. Automatically.
Christie Mystique® Install eliminates the challenges and expertise needed to configure, align, blend and warp multi-projector arrays and complex screen setups. It includes advanced camera-based alignment and projection mapping calibration tools, software, hardware and services that significantly simplify these types of visual systems. Mystique Install includes Christie Guardian, an optional feature that monitors a blended projection system for any misalignment, automatically calibrating the image in real time, quickly, invisibly and without interruption, even when content is playing.

CHRISTIE MYSTIQUE

High Bandwidth Multi-Input Card (HBMIC)
The High Bandwidth Multi-Input Card (HBMIC) is a standard on all Boxers and provides a wide selection of connections including two 12G-SDI inputs and allows for 4K@60Hz over a single cable. The HBMIC also adds direct fiber input capability for use with a Christie Link Transmitter (sold separately or as part of a bundle). All inputs offer preview capability and fast syncing or switching between inputs.

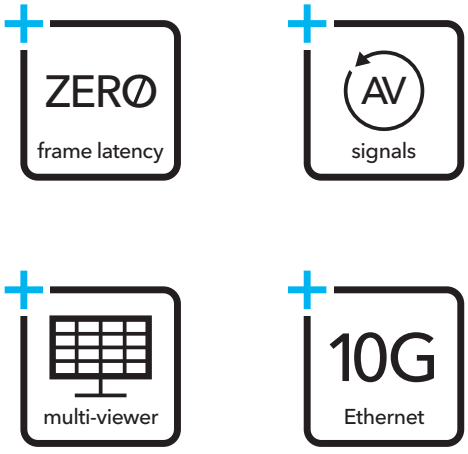


Christie Link transmitters let you go further
Simplify your setup, increase system reliability and go further with Christie Link onboard fiber input for direct point-to-point fiber connections supporting high quality 4K. Easily send high-bandwidth signals (up to 4K@120Hz) over long distances (up to 6.2 miles/10 km) directly into the projector on a single-fiber cable without latency or compression.

Designed to work perfectly with Christie Boxer projectors, Christie Link can manage EDIDs throughout the entire system which helps ensure reliable performance.

Christie Terra – do more with SDVoE AV over IP
Christie Terra® is an AV over IP solution enabling the transport, processing and control of audio visual content using the Software Defined Video over Ethernet (SDVoE) standard. Terra comprises a Transmitter, Receiver and Controller. On the Boxer, the SDVoE input allows for direct interfacing of 4K AV content and control over 10G Ethernet for highly flexible, scalable and efficient AV system integration.

CHRISTIE terra



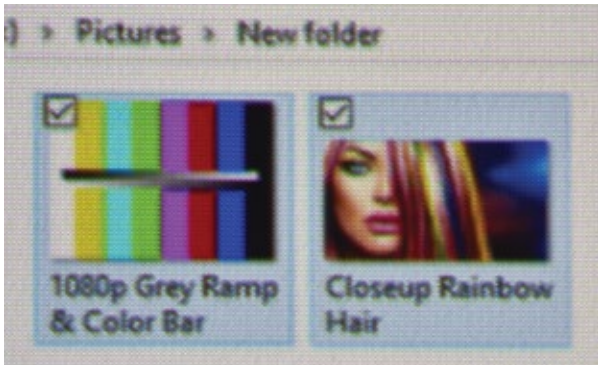
NOT ALL 4K IS EQUAL

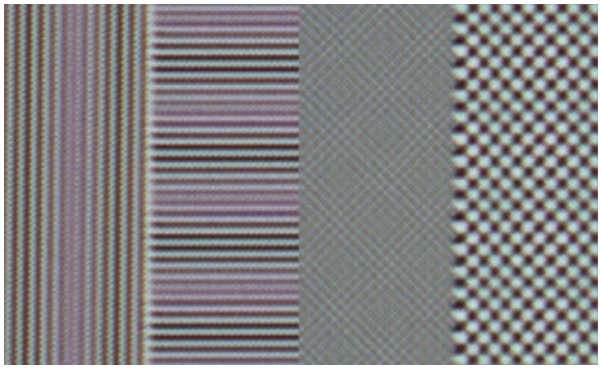
Some projectors use imagers with a lower native resolution and rely on optical actuators to rapidly shift pixels around on screen. This can trick the eye into thinking it's seeing a higher resolution image, but at any given time it is impossible to display the full 4K signal.

While these pixel-shifting technologies try to mathematically preserve content, they ultimately can't and they introduce scaling artifacts and image manipulation. While these pixel-shifting solutions can be applicable for some applications where accurate 4K isn't mandatory, they can't deliver full 4K temporal resolution.

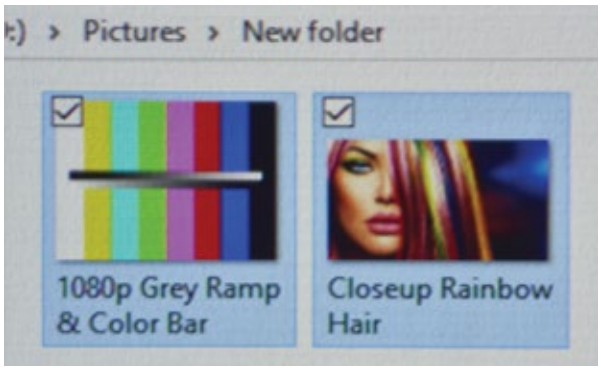
Native 4K (4096 x 2160) provides perfect pixel reproduction, addressing processing speeds up to 120Hz, with all pixels on the screen simultaneously in real time. When applications require precise, accurate content, with high resolution and high frame rates, on a display larger than 100", there's nothing better.

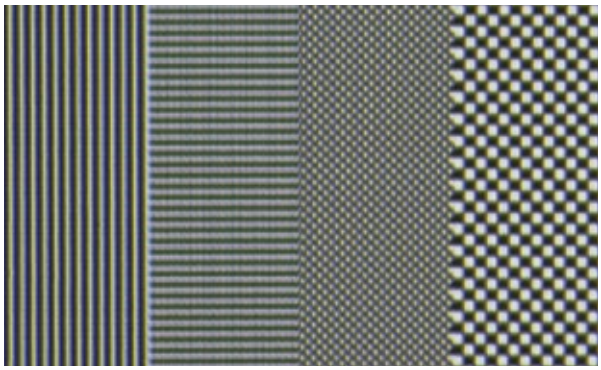
Pixel shifted 4K (Shifted WUXGA – 1920 x 1200)
4M pixels



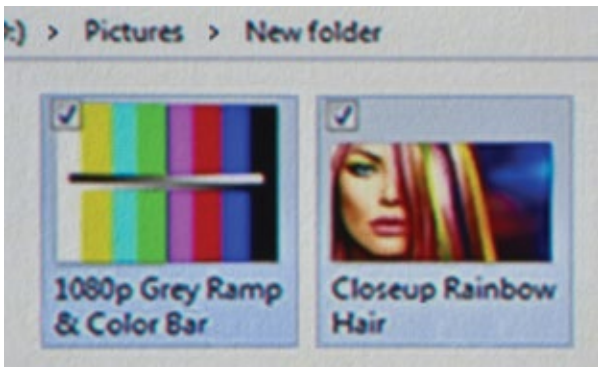


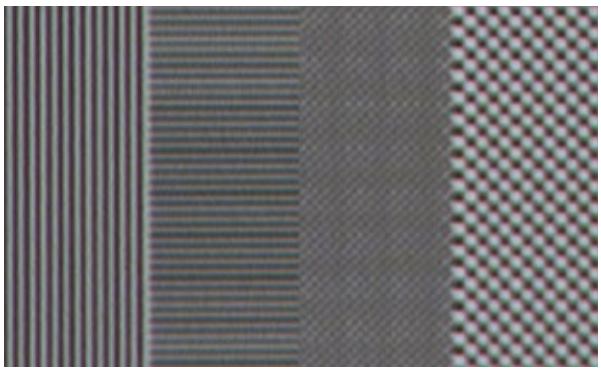
Native 4K
8.8M perfect pixels all the time





Pixel shifted 4K (Shifted WQXGA – 2560 x 1600)
8.3M interpolated pixels – time sequenced





CHRISTIE
BOXER SERIES

Technical specifications		Christie Boxer 4K30	Christie Boxer 4K20
Image	brightness	• Up to 32,500 ISO • 30,000 Center • 29,000 ANSI (typical)	• Up to 22,000 ISO • 20,000 Center • 19,500 ANSI (typical)
	contrast	• 2000:1	• 2000:1
Display	technology	• 3DLP 1.38" 4K DMD	• 3DLP 1.38" 4K DMD
	resolution	• 4K (4096 x 2160)	• 4K (4096 x 2160)
Lamps		• 6 x 450W NSH	• 4 x 450W NSH
Inputs	standard	• 2 x 12G-SDI • 1 x HDMI 2.0 • 1 x DisplayPort™ 1.2 • 1 x Fiber (QSFP+) for use with Christie Link Transmitter • HDBaseT	• 2 x 12G-SDI • 1 x HDMI 2.0 • 1 x DisplayPort 1.2 • 1 x Fiber (QSFP+) for use with Christie Link Transmitter • HDBaseT
	optional	• Dual 3G SD/HD-SDI input card • Dual Link DVI input card • High Bandwidth Multi-Input Card (HBMIC) • Quad DisplayPort input card • Twin HDMI™ input card • Terra® SDVoE input card	• Dual 3G SD/HD-SDI input card • Dual Link DVI input card • High Bandwidth Multi-Input Card (HBMIC) • Quad DisplayPort input card • Twin HDMI input card • Terra SDVoE input card
	pixel clock	• 1.2Gpx/s – Christie TruLife™ electronics	• 1.2Gpx/s – Christie TruLife electronics
Physical	dimensions	• (LxWxH) 36.77 x 23.39 x 12" (934 x 594 x 305mm)	• (LxWxH) 36.77 x 23.39 x 12" (934 x 594 x 305mm)
	weight	• 160lbs (72.57kg)	• 160lbs (72.57kg)
dBA		• 49dBA	• 49dBA

	Christie Mirage 304K	Christie Boxer 2K30	Christie Boxer 2K20
	• 30,000 Center • 29,000 ANSI (typical)	• Up to 32,500 ISO • 30,000 Center • 29,000 ANSI (typical)	• Up to 22,000 ISO • 20,000 Center • 19,500 ANSI (typical)
	• 2000:1	• 2000:1	• 2000:1
	• 3DLP 1.38" 4K DMD	• 3DLP 1.38" 4K DMD	• 3DLP 1.38" 4K DMD
	• 4K (4096 x 2160)	• 2K (2048 x 1080) upscaled onto 4K DMD	• 2K (2048 x 1080) upscaled onto 4K DMD
	• 6 x 450W NSH	• 6 x 450W NSH	• 4 x 450W NSH
	• 4 x Twin DisplayPort input card • HDBaseT	• 2 x 12G-SDI • 1 x HDMI 2.0 • 1 x DisplayPort 1.2 • 1 x Fiber (QSFP+) for use with Christie Link Transmitter • HDBaseT	• 2 x 12G-SDI • 1 x HDMI 2.0 • 1 x DisplayPort 1.2 • 1 x Fiber (QSFP+) for use with Christie Link Transmitter • HDBaseT
	• Dual 3G SD/HD-SDI input card • Dual Link DVI input card • High Bandwidth Multi-Input Card (HBMIC) • Quad DisplayPort input card • Twin HDMI input card • Terra SDVoE input card	• Dual 3G SD/HD-SDI input card • Dual Link DVI input card • High Bandwidth Multi-Input Card (HBMIC) • Quad DisplayPort input card • Twin HDMI input card • Terra SDVoE input card	• Dual 3G SD/HD-SDI input card • Dual Link DVI input card • High Bandwidth Multi-Input Card (HBMIC) • Quad DisplayPort input card • Twin HDMI input card • Terra SDVoE input card
	• 1.2Gpx/s – Christie TruLife electronics	• 300Mpx/s – Christie TruLife Lite electronics	• 300Mpx/s – Christie TruLife Lite electronics
	• (LxWxH) 36.77 x 23.39 x 12" (934 x 594 x 305mm)	• (LxWxH) 36.77 x 23.39 x 12" (934 x 594 x 305mm)	• (LxWxH) 36.77 x 23.39 x 12" (934 x 594 x 305mm)
	• 160lbs (72.57kg)	• 160lbs (72.57kg)	• 160lbs (72.57kg)
	• 49dBA	• 49dBA	• 49dBA

CHRISTIE®

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[1] Source: Future Source 2006-2017 quarter one.

For the most current specification information, please visit christiedigital.com

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DLP® TEXAS INSTRUMENTS

CERTIFIED ISO 9001 QUALITY SYSTEM