

All XPAND 3D Products Are
HFR
Ready!

ULTIMATE 3D



The Benefits of Adopting XPAND

XPAND is best known for its commitment to providing the Ultimate 3D Experience!

We took what was great and made it even better, brighter, and less expensive.

- » XPAND has no licensing fee or ticket royalty fee. Once you purchase an XPAND system, you own it!
- » XPAND does not require a Silver Screen upgrade.
- » XPAND's 3D system can easily be "moved" from one auditorium to another within minutes by theater staff.
- » XPAND does not require a "Z screen", color wheel or any other type of filtration.
- » XPAND's 3D system has the least amount of diminishing impact on light levels than other systems.
- » All XPAND 3D glasses come equipped with an EAS security Tag System to reduce theft and unauthorized removal of glasses.

www.xpandvision.com

XPAND[™]
V I S I O N

XPAND X101 Series Features

Replaceable Batteries

Each battery averages 250 hours of battery life. The batteries can be easily replaced by anyone with a special XPAND provided key.

Durability

XPAND X101 Series active glasses are rugged and flexible. The glasses were designed with flex points, which extend the lifetime of the glasses. In rigorous, independent laboratory testing, the X101 glasses worked over 2000 shows, providing unbeatable costs per show.

Secured Communication

For better communication and to eliminate "cross-talk" and "ghosting", XPAND's X101 Series glasses operate with a secured IR signal.

Automatic "ON/OFF"

To ensure operation of the glasses at show time, to reduce theater operational interface and to better manage battery life, the X101 Series glasses turn "ON" and "OFF" automatically.



No Silver Screen

Standard white screens can be used for both 2D and 3D, thus eliminating unwanted "hot spots" created by 2D presentations on silver screens. With its focused light reflection back to the audience, a silver screen offers a narrower viewing angle as opposed to the lower gain matte screen which provides a much wider viewing angle, while offering the exact same 3D experience to EVERY seat in the auditorium.

The Brightest 3D Solution

3D requires as much light as possible. XPAND X101 Series features the fastest shutter technology for the brightest image. The XPAND Cinema light efficiency using X101 Series glasses at 144hz has been increased to over 17%.

Longer Lamp Life



Due to X101 Series increased light efficiency, DC projectors can be set to their normal lamp settings as opposed to increased lamp output settings which is required by competing 3D systems. This increases lamp life by at least 80%.

Extended IR Range

Extended IR range supporting the largest Cinemas in the world.

Radio Communication

To further eliminate potential cross talk, XPAND X101 Series is designed to enable Radio communication between the glasses and emitters in future models.

The Highest Reliability in 3D Market

XPAND X101 Series components are built to work in extreme conditions, further endorsing XPAND's long-standing achievement of having the highest 3D reliability.

Optimal 3D Experience

XPAND X101 Series prevents "IR black holes" in the theater by utilizing an optimal diode layout - making sure 100% of the viewers will have optimal 3D experience, regardless of their seat position.

100% DLP

XPAND X101 Series is optimized to work with both 0.98 inch and 1.2 inch DLP Cinema chips.

Environmentally Conscious

The X101 Series glasses can be used longer than ever and the X101 Series emitters are using environmental friendly diodes. This is a key element of XPAND's continued commitment to "green technologies" and "earth friendly" solutions.

Even Faster Installation

With high number of 3D movies being released, programming flexibility is critical to the Exhibitor's success. Moving the systems from a large auditorium to a smaller auditorium and vice versa is a daily practice that optimizes profits. To continue its commitment in reducing initial setup time, reduce theater staffing interaction, and long-term maintenance, XPAND X101 Series has been designed with unique features to meet those requirements.

EAS Security Tag System



XPAND X101 Series now includes a standard EAS anti-theft tag device. **In order to utilize this security feature, anti-theft panels will be required which can be purchased from specialized suppliers in your region.**

Installation and power source requirements will be required by Exhibition as well.

Ease of Distribution and Collection

To reduce the need for additional theater staffing and monitoring, XPAND has developed and made available (optional), a well designed utility cart (3D Trolley) for efficient distribution, collection and storage of the glasses.



Warranty

The components of the XPAND X101 Series are tested for durability, usability and accelerated stress. The X101 Series includes a 2-Year warranty for all head end hardware, Distribution Module, IR Emitter, and IR Tester. Glasses are not included in this warranty. **Please note:** Despite the robust design, the lenses are made of glass and are susceptible to cracking when twisted. Care should be taken and patrons should be instructed by theater staff to not bend or twist the glasses.

Thank you for your interest in XPAND. The Ultimate 3D Experience!

Technical Specifications

3D Technology: Active Shutter Glasses

HFR: Yes

Frame Weight: 2.5 oz (71 g)

Lens Size: 2.2" diagonal (57 mm)

Lens Type: LCD, Pi-cell

Sync Method: IR

Shutter Frequency: 96 - 240 Hz

Switching Time: open 0,9 ms; close 0,2 ms

Lens Transparency: 35% +/- 1 %

Viewing Angle (contrast < 100:1): 20 degree

Contrast: nominal 1:200

Battery Type: X-Battery

Battery Life: 250 hours

Temperature: 5 - 45°C

Supports: XPAND Cinema