

fidelity™

■ BLACK

■ BRIGHT ■ COLOR ■ CONTRAST ■ BLACK

Fidelity Black is our ultimate display solution for a superior immersive experience. Built around the patented Zorro projector range, **Fidelity Black** produces unmatched levels of contrast, richer than ever color, and superior black levels... delivering a unique visual treat and bringing content to life.

Fidelity Black produces razor-sharp, midnight-black results within a perfect display solution package to satisfy even the most demanding planetarium.

Fidelity Black uses a multi-channel Zorro projector configuration to create an ultra-high contrast solution, with the perfect amount of luminance for unprecedented black levels, dynamic range and a pixel-perfect display.

The patented black level suppression technology from Rockwell Collins was originally designed for use in simulation and night training, with stringent demands for redundancy and long lamp life. Zorro has since been adapted and optimized and is now in its third generation, with the Zorro 2015 HC Projector... providing immersive theaters with a unique solution that exceeds the capability of conventional projector technology.

Zorro employs a patented four-panel projection engine using the latest Liquid Crystal on Silicon (LCoS) devices. This technology produces a pixel contrast far higher than any other light-valve based projector and produces results only previously achievable from a CRT solution – perfect for all-sky starfields.

As a multi-channel configuration, **Fidelity Black** offers superior performance, realistic 'film-like' qualities, low ongoing cost of ownership, flexibility and stability. Capable of a contrast ratio in excess of 800,000:1, **Fidelity Black** is perfect for re-producing the deep velvet of the night sky.

Fidelity Black creates an experience so dark, absolute and believable... that it is difficult for the mind to differentiate what is real and what is not.



FEATURES

- Multi-channel Zorro projector configuration:
 - Black, bright, sharp and colorful
 - Highly redundant solution with film-like display qualities
 - Fixed matrix pixel array
 - LCoS-based projector delivering QXGA resolution (2048 x 1536 pixels) and approximately 800-1000 ANSI lumens
 - True black, ultra high resolution, excellent dynamic range and low cost of ownership
 - 1 billion color display and a typical sequential contrast ratio in excess of 800,000:1
 - Automatic lamp changeover and built-in electronic blending capabilities
- Fidelity Play™ (including custom Media Server and Media Director solution) and Fidelity™ software suite:
 - Uncompressed, lossless content playback
 - Uniview™ add-on option
- Fully programmed wireless, touch-screen control of entire facility
- Tailored training, maintenance & support
- Wide selection of creative lighting, audio, seating and screen solution options from our ESSENTIAL THEATER™ range. Plus, you can enhance your theater further... choosing from the latest in theater-effect and motion seat technology – talk to us about your project to see what we can do for the ultimate multi-dimensional experience.





TECHNOLOGY BENEFITS

Zorro 2015HC LCoS

- Unique pixel contrast + built-in distortion correction + blending for multi-channel displays
- No spinning color wheel = no rainbow-effect
- Ultra high resolution = no visible pixels
- Unique lamp architecture (designed for simulation & 24/7 use) = several thousand hour lamp life... unlike anything else on the market
- Dual lamp = in-built redundancy = consistent image, color & contrast throughout lamp life
- Fixed matrix LCoS technology = rich, saturated colors
- **Powerful colors + invisible pixels + extreme contrast = ultimate digital video**

**ESSENTIAL THEATER RANGE:
LIGHTING AUDIO SCREENS SEATING CONTROL**

We work with our market-leading partners to bring you the best available solution for the complete Fidelity™ theater. Whether you need an innovative screen (in any shape, size or configuration), a creative theater seating solution, a state-of-the-art surround sound system, or a new theater control and automation facility, we can provide you with as much or as little as you need.

IMAGE MANAGEMENT

Meticulous image distortion correction, expert pixel management, accurate geometry and perfect channel blending are standard components of every Fidelity solution.

MEDIA:

FIDELITY PLAY - UNIVIEW - FULLDOME SHOWS

State-of-the-art Fidelity Play content management solutions include our **Media Director** (drag n drop production/editing tool) and professional **Media Server** system. Loading your system with media, we partner with leading content houses and software companies - distributing shows, vignettes and Uniview real-time data visualization/astronomy platform. To complete our full-service offering, we also offer custom show production for your specific storyboarding requirements.

**workFLO RANGE:
CAPTURE CREATE RENDER STORE**

Our unique Media Solutions are built around your need for efficient and effective workflow processes. From start to finish, our experienced Media Team can devise and program new systems, as well as coordinating the resources that you already have in place. We'll enable you to create, produce, edit and store premium quality content faster than ever before.

SUPPORT

As standard, each Fidelity solution includes warranty, remote diagnostics, 24/7 telephone & email support plus much more. Our Support Team designs packages to include spares, repairs, maintenance and extended warranty to keep your system looking consistently perfect.



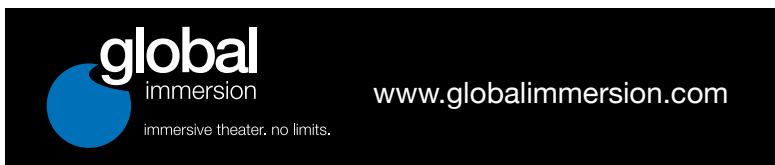
Our award-winning range of **Fidelity** display solutions have been rigorously developed over more than eleven years to provide an optimum balance of:

- Performance
- Stability
- Cost

Our systems aren't wedded to a particular technology or process - we custom-design each and every system to reflect the individuality of your request depending on your budget, application and your dream.

Combined with extensive know-how and skills, a **Fidelity** solution will provide dependably stunning images for years to come.

OUR INSTALLATIONS



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