



RELIABLE LED-LIT DLP® REAR-PROJECTION CUBES
PERFECT VISUAL SOLUTIONS



)ecCUBE®
EYEVIS REAR PROJECTION LINE

OUR ecCUBE® SERIES – DEVELOPED FOR DEMANDING APPLICATIONS:

SOLUTIONS FOR CONTROL



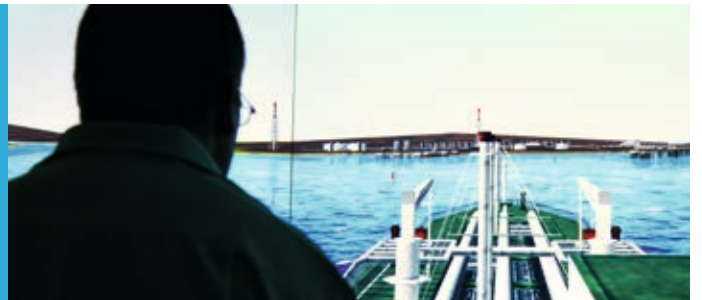
SOLUTIONS FOR PRESENTATION
& INFORMATION



SOLUTIONS FOR BROADCASTERS



SOLUTIONS FOR VR & SIMULATION





Product Versions:

XGA

(4:3 / 1024×768 Px)

- 50": EC-50-LXT-1000
- 70": EC-70-LXT-1000

SXGA

(5:4 / 1280×1024 Px)

- 50": EC-50-LSXT-1000
- 70": EC-70-LSXT-1000

SXGA+

(4:3 / 1400×1050 Px)

- 50": EC-50-LSXT+-1000
- 70": EC-70-LSXT+-1000
- 80": EC-80-LSXT+-1000
- 100": EC-100-LSXT+-1000

UXGA

(4:3 / 1600×1200 Px)

- 70": EC-70-LUXT-1000

FULL HD

(16:9 / 1920×1080 Px)

- 50": EC-50-LHD-1000
- 60": EC-60-LHD-1000
- 70": EC-70-LHD-1000

WUXGA

(16:10 / 1920×1200 Px)

- 56": EC-56-LWXT-1000
- 70": EC-70-LWXT-1000

WQXGA

(16:10 / 2560×1600 Px)

- 70": EC-70-LWQX-1000

HIGHEST-QUALITY PRODUCTS DLP® REAR-PROJECTION CUBES – MADE IN GERMANY

THE REAR-PROJECTION CUBES OF THE ecCUBE® SERIES

eyevis cubes with the proven DLP®-technology are ranked first, when it comes to professional video wall systems. They are completely unsusceptible to the so called burn-in-effect, a lasting, negative influence on image quality through the presentation of static contents. Moreover, the DLP® cubes provide the only possibility to assemble practically "seamless" video walls for permanently operating applications.

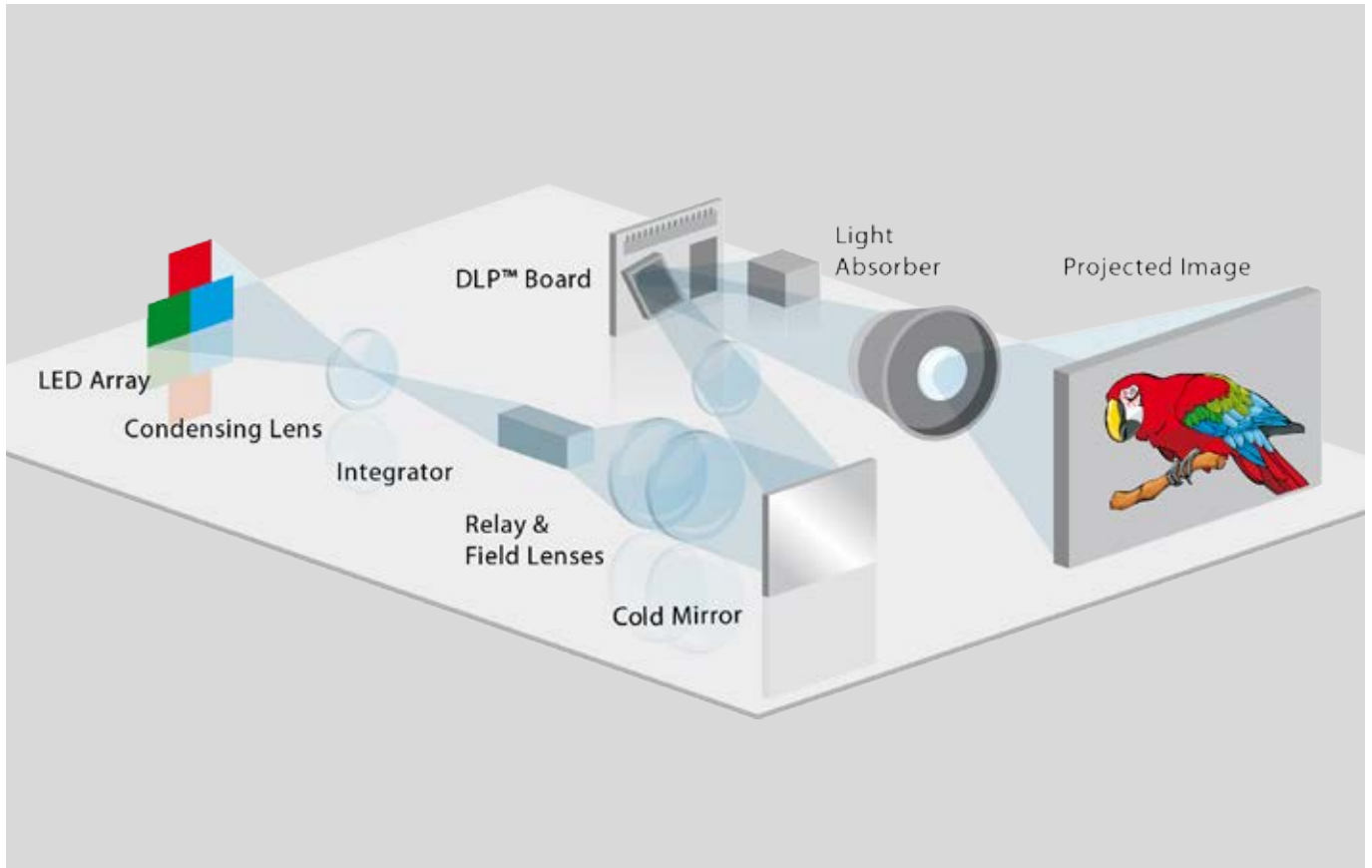
Together with their outstanding color and brightness features, this makes our rear-projection cubes the ideal solution for large scale video systems in demanding areas of application such as control rooms and security centers. The brightness values of the EC-1000-series achieved through the new cluster-LEDs and the adjustable color temperature additionally allow for their application in TV studios, conference rooms or presentation

areas. Thereby the cubes convince through their smooth operation in 24/7 use, increased failure-safety, long-term stable colors and a lower use of energy. The broad range of different sizes and resolutions provides the optimal solution for any video wall size and area of application.

Due to a large number of innovative and many optional features, the cubes can be perfectly adjusted to the individual requirements of any installation.

New versions with smaller construction depth and simplified product design further extend the application possibilities of our ecCube®-series.

DLP® REAR-PROJECTION CUBES WITH LED-LIGHT-SOURCE – FIRST CHOICE FOR PROFESSIONAL VIDEO WALL SYSTEMS



HIGHEST DURABILITY IN TROUBLE-FREE 24/7 OPERATION

eyevis' new LED-cubes for each primary color use highly qualitative cluster-LEDs with an estimated durability of more than 60.000 hours in standard operation. This sums up to more than six years in permanent operation! The lack of wear parts such as color wheels and other moveable parts extends service intervals and improves the ecological behavior of the cubes in comparison to older lamp-based systems.

All other components of the cubes are designed for reliable permanent operation and provide highest quality "made in Germany". The new developed cluster-LEDs used in eyevis projection engines, correspond to state-of-the-art developments in LED technology and have already proven their quality and reliability in numerous installations and products.

THE RIGHT SOLUTION FOR ANY REQUIREMENT

Application areas like command and control rooms that are in operation 24 hours on 365 days a year, require uncompromisingly perfect functioning and reliable systems. Especially when important information is displayed which have to be accessible at any time.

More than 15 years of experience with DLP® large-scale video technology make eyevis one of the leading producers in the field of professional rear-projection systems. Our extensive knowledge in this field has lead to numerous improvements that were integrated into our products in order to increase the failsafety of our systems once again.

MODEL VARIETIES OF THE ecCUBE® SERIES



Product Versions:

FULL HD (16:9 / 1920×1080 Px)

- 50": EC-50-LHD-SLIM
- 60": EC-60-LHD-SLIM
- 70": EC-70-LHD-SLIM



Product Versions:

XGA (4:3 / 1024×768 Px)

- 50": EC-50-LXT-1004
- 70": EC-70-LXT-1004

SXGA+ (4:3 / 1400×1050 Px)

- 50": EC-50-LSXT+-1004
- 70": EC-70-LSXT+-1004

FULL HD (16:9 / 1920×1080 Px)

- 50": EC-50-LHD-1004
- 60": EC-60-LHD-1004
- 70": EC-70-LHD-1004

SLIM-SERIES: SIMPLE INSTALLATION AND EXTENDED APPLICATION POSSIBILITIES

Through their small depth (from 455 mm) the slim-cubes can be applied in areas in which rear-projection cubes have not been suitable so far, due to a lack of space. All electric, optic and electronic components such as the cooling system are completely integrated into the unit. They have a robust, self-supporting housing as well as the eye-vis-typical "seamless" screen mounting in order to realize large video walls with smallest bezels.

Through the front and rear access the projection unit can be inserted into and removed from the housing as a whole. The easy-handling-concept allows for quick assembly and reduces down-times during maintenance. Projection-unit and cube-housing can be installed independently from each other. During maintenance, projector-units can be removed from the cubes and be replaced by a substitute-unit.

THE EC-1004-SERIES: OPTIMIZED PRODUCT DESIGN FOR MORE FLEXIBLE HANDLING

The cubes of the EC-1004-series are flexible during installation and service-friendly. Through the optimized product design in single-module-design, different components such as the projection unit, the input-box, the network interface or the color control (ACT-internal) all fit into a common module. In this way the entire module can be inserted and removed as a whole during installation and service in only a few steps, which saves time during installation and maintenance.

The projector-unit is equipped with an integrated fan-concept that optimizes air exchange and in this way increases the durability of the LED illuminants. The qualitative characteristics of the highend DLP cubes-image quality, brightness, mechanical robustness and the seamless framing of the rear-projection glass in order to realize video walls with smallest screen distances – were maintained. The stackable housing makes the assembly of video walls without additional mounting construction possible.

ACCESSORIES AND OPTIONS FOR OUR ecCUBE® SERIES

A wide range of accessories and optional components allows for the installation and operation of our rear-projection cubes in almost any application. Those are for instance:

Underframes

- Standard steel-underframes in different heights
- Vibration-absorbing underframes
- Rail-underframes to move the wall
- Customer-specific special construction (i. e. mountings on rolls)

Screen Types

- Different screen types, optimized for different application scenarios (among others: BlackBead screens, CrossPrism screens, improved-screen-element screens)

Input/Matrix Option

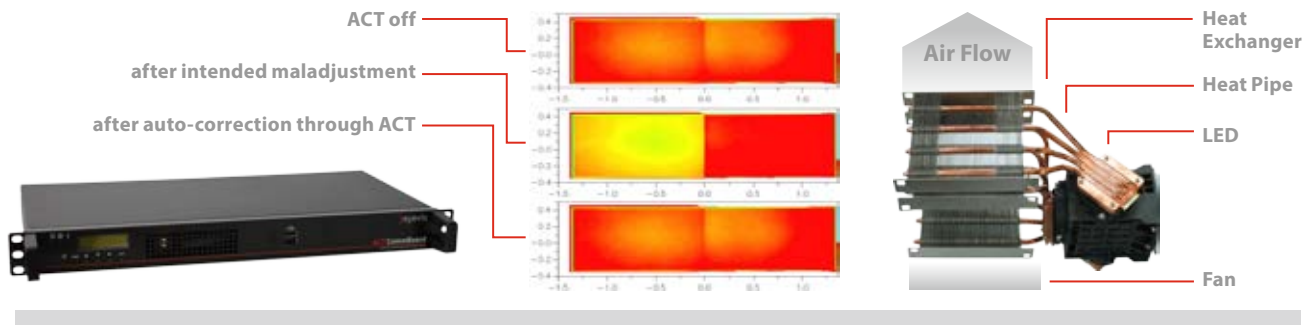
- The scaler board extends the feature range of the cubes by an internal Matrix-Split-Feature for up to 10×10 cubes and further input options (2× DVI, 2× RGB, 2× Video)

Image Processors

- Integrated image processors for the optimization of resolution, for instance for the implementation of shading-masks (hot-spot reduction) or for the generation of a fully synchronous presentation over several modules (i. e. for TV studios)

Front-Access

- For front and rear maintenance access to the cubes. Optionally with motorized adjustment of the projection geometry.



AUTO-COLOR-TRACKING-COLOR-MANAGEMENT AND HEATPIPE COOLING SYSTEM

eyevis' new LED technology provides lasting color fidelity and extended color adjustment possibilities. The newly developed Multi-Cube-Color-Brightness-Adjustment feature is an instrument that allows for completely automatic adjustment and alignment of all cubes in a connected video wall. Brightness adjustment is performed directly through the LEDs which does not affect the color depth of the presented image and guarantees stable image quality.

For several cubes in an assembled video wall, the measurement is performed individually for each cube. The values of each cube are automatically adjusted. This allows for consistent and homogenous presentation of brightness and colors throughout the entire surface of the video wall. To control the color temperature

the LED-segment can be set to preset parameters (3.200 K/6.500 K/9.500 K) or be defined freely in user mode.

The application of the innovative heatpipe cooling system ensures highly dynamic, fast and efficient heat dissipation. The cooling system can be run in any position, even in vibrating surroundings. It is maintenance-free and contains no toxic liquids.

The sensor of the three-channel, permanent control of the LED-temperature sits directly at the LED. In the unlikely event of cooling system failure or if the ambient temperature should exceed permissible values, the system automatically reduces the performance of the LEDs. Thereby the image content on the cubes is maintained.

AT A GLANCE THE ADVANTAGES OF THE EYEVIS ecCUBE® SERIES



ABSOLUTELY RELIABLE

DLP® with LED-illuminants are the ideal presentation medium for control rooms and further applications that require highest reliability and secure, long-term stable operation.



OUTSTANDING IMAGE QUALITY

The combination of innovative cluster-LED-illuminants and DLP-technology provides brilliant colors, impressive black values and in this way best image quality for any light condition.



HIGH DURABILITY

The durability of the LEDs of >60.000 h under normal operational conditions equals almost 7 years in 24/7 permanent operation. In "Low Power Operation Mode" even additional 15.000-30.000 h.



LOW-MAINTENANCE SYSTEM

Highest-quality components, user-friendly design and unlimited alignment for 24/7-application allow for failure-free operation and generous maintenance intervals.



COLOR-RESCUE-CONTROL

The patented system allows for the presentation of usable images even in case of complete failure of a primary color. In the highly chromatic presentation, all image information is maintained.



ADDITIONAL FEATURES

Through a wide range of accessories and optional features the cubes of the EC-series can optimally be adjusted to any application purpose.



SEAMLESS VIDEO WALL ASSEMBLY

The special screen frames with our proprietary "Discrete Screen Clamp"-technology makes video wall assemblies with smallest bezels between the contents of the single cubes possible.



ENVIRONMENT-FRIENDLY CONCEPT

The LED-illuminants and the heatpipe-based cooling system contain no toxic liquids. Low power consumption additionally increases the environment-friendliness of the cubes.

ecCUBE-1000-SERIES

TECHNICAL SPECIFICATIONS

XGA (4:3 / 1024 × 768 Px)

	EC-50-LXT-1000	EC-70-LXT-1000		EC-50-LSXT-1000	EC-70-LSXT-1000
Screen Diagonal	50 inch (ca.127 cm)	70 inch (ca. 178 cm)	Screen Diagonal	50 inch (ca.127 cm)	70 inch (ca. 178 cm)
Image Size (W×H)	1000×750mm	1400×1050 mm	Image Size (W×H)	1000×800 mm	1382×1104 mm
Brightness* in cd/m ²			Brightness* in cd/m ²		
HB Screen (max./typ.)	1105 / 948	788 / 675	HB Screen (max./typ.)	998 / 856	712 / 611
ISE Screen (max./typ.)	506 / 431	258 / 219	ISE Screen (max./typ.)	474 / 404	242 / 206
Contrast Ratio	1500:1 (typ./static contrast)		Contrast Ratio	1500:1 (typ./static contrast)	
Power Consumption	typ. 210 W (Reduced Power Mode: 120 W / max. 300 W)		Power Consumption	typ. 210 W (Reduced Power Mode: 120 W / max. 300 W)	
Dimensions (W×H×D)	1000×980×750 mm	1400×1388×900 mm	Dimensions (W×H×D)	1000×1030×800 mm	1382×1443×880 mm

SXGA+ (4:3 / 1400 × 1050 Px)

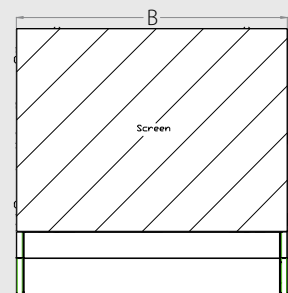
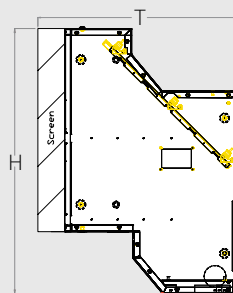
	EC-50-LSXT-1000	EC-70-LSXT-1000	EC-80-LSXT-1000	EC-100-LSXT-1000
Screen Diagonal	50 inch (ca.127 cm)	70 inch (ca. 178 cm)	80 inch (ca. 203 cm)	100 inch (ca. 254 cm)
Image Size (W×H)	1000×750mm	1400×1050 mm	1600×1200 mm	2000×1500 mm
Brightness* in cd/m ²				
HB Screen (max./typ.)	1068 / 917	553 / 474	414 / 356	230 / 198
ISE Screen (max./typ.)	506 / 431	258 / 219	197 / 168	125 / 107 (Beta Screen)
Contrast Ratio	1500:1 (typ./static contrast)			
Power Consumption	typ. 210 W (Reduced Power Mode: 120 W / max. 300 W)			
Dimensions (W×H×D)	1000×980×620 mm	1400×1270×750 mm	1600×1480×1000 mm	2000×1628×1350 mm

UXGA (4:3 / 1600 × 1200 Px)

	EC-70-LUXT-1000		EC-50-LHD-1000	EC-60-LHD-1000	EC-70-LHD-1000
Screen Diagonal	70 inch (ca. 178 cm)	Screen Diagonal	50 inch (ca.127 cm)	60 inch (ca. 152 cm)	70 inch (ca. 178 cm)
Image Size (W×H)	1400×1050 mm	Image Size (W×H)	1100×616 mm	1344×756 mm	1549×871 mm
Brightness* in cd/m ²		Brightness* in cd/m ²			
HB Screen (max./typ.)	617 / 530	HB Screen (max./typ.)	1299 / 1115	884 / 759	723 / 620
ISE Screen (max./typ.)	230 / 194	ISE Screen (max./typ.)	528 / 443	352 / 297	264 / 223
Contrast Ratio	1500:1 (typ./static contrast)	Contrast Ratio	1500:1 (typ./static contrast)		
Power Consumption	typ. 210 W (Reduced Power Mode: 120 W / max. 300 W)	Power Consumption	typ. 210 W (Reduced Power Mode: 120 W / max. 300 W)		
Dimensions (W×H×D)	1400×1388×970 mm	Dimensions (W×H×D)	1100×798×730 mm	1344×956×820 mm	1549×1131×825 mm

WUXGA (16:10 / 1920 × 1200 Px)

	EC-56-LWXT-1000	EC-70-LWXT-1000
Screen Diagonal	56 inch (ca. 142 cm)	70 inch (ca. 178 cm)
Image Size (W×H)	1.209,5×756 mm	1.519,8×950 mm
Brightness* in cd/m ²		
HB Screen (max./typ.)	995 / 854	626 / 538
ISE Screen (max./typ.)	390 / 329	238 / 208
Contrast Ratio	1500:1 (typ./static contrast)	
Power Consumption	typ. 210 W (Reduced Power Mode: 120 W / max. 300 W)	
Dimensions (W×H×D)	1209,5×968×743 mm	1519,8×1190×800 mm



Dimensions of the ecCUBE®-SERIES

* Different screen versions available:

High Brightness, CrossPrism, BlackBead (especially for TV studio applications) and ISE (Improved Screen Element)



WORLDWIDE SUPPORT WE ARE AT YOUR SERVICE

The high quality of our products is backed up by the outstanding quality of our service technicians and the support we offer to our customers. Apart from regular repairs in-house or on-site, the supply of original spare parts and maintenance works on demand, we offer a range of service level agreements that ensure highest availability of your system.

Our experience shows that preventive maintenance and active support return the investment by leading to optimal system availability, the productivity of the system is guaranteed and operating costs can be reduced. Regular maintenance is a prerequisite for stable, trouble-free operation of your eyevis system. Therefore eyevis offers maintenance contracts that are tailored to the needs of your installation.

Updated information on our projects and products with many photos as well as the possibility of communicating with other interested customers can also be found at:

- twitter.com/eyevis
- www.facebook.com/eyevis
- www.linkedin.com/companies/eyevis



Scan the QR code and visit our website to find more detailed information on all of our products and services, download brochures and data sheets, or watch the product videos.

eyevis GmbH

Hundsschleestrasse 23
72766 Reutlingen
Germany

Tel.: +49 (0) 71 21 - 4 33 03-0
Fax: +49 (0) 71 21 - 4 33 03-22

Web: www.eyevis.com
E-Mail: info@eyevis.de