



EC-LSXT+-1000

SXGA+ DLP® REAR-PROJECTION CUBE
 WITH CLUSTER-LED PROJECTION TECHNOLOGY
 FOR 2D/3D DISPLAY



) PRODUCT DESCRIPTION

The cubes from eyevis' **EC-LSXT+-1000 series** are modular rear-projection cubes with **screen diagonals of 50 inch (ca. 127cm), 70 inch (ca. 177cm), 80 inch (ca. 203cm) and 100 inch (ca. 254cm)** with **SXGA+ resolution (1400 × 1050 pixels)**. The EC-LSXT+-1000 uses innovative Cluster-LED technology for illumination. The EC-LSXT+-1000 series is a revolutionary development by eyevis and manufactured in Germany. It is especially designed for applications which require a reliable 24/7 operation.

Through the enhanced brightness, the cubes can now also be installed in applications that require brighter image representation, e.g. in presentation areas or broadcast studios. For most other installation, for example in control rooms, the performance of the LEDs can be reduced to lower levels, which results in less power consumption and thermal load. In addition, the reduced power of the LEDs further extends their life-time. The cubes from the EC-1000 Series are available in XGA, SXGA, SXGA+, UXGA, Full HD and WUXGA.

The Cluster-LEDs used as light source for the EC-1000 series have an active LED surface divided into several sections. Besides higher light output this also guarantees that in the event of a failure of a single LED section, the image is preserved in almost its entire condition. Of course, all optional features that make our rear-projection units so flexible to use are also available for the EC-1000 Series. This includes the various available screens, different basement options, optimization features for installations in broadcast areas, or the automatic colour/brightness adjustment system for cube walls (ACT).

) THE ADVANTAGES AT A GLANCE

DURABILITY

- Durable and constant picture quality on all Cubes
- Modular, highly available display concept for 24/7 operation
- Low service and maintenance costs

COLOUR-RESCUE-CONTROL

- Special operation mode to compensate defect LED modules
- Image remains visible even with one or two defective LEDs
- Colour replacement according to the customer's image content

OUTSTANDING IMAGE QUALITY

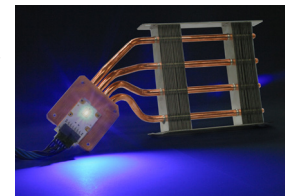
- High contrast and best brightness
- Colour uniformity and wide viewing angle
- Best visibility in any lighting condition

) ECO-FRIENDLY CONCEPT



HEATPIPE COOLING SYSTEM

As with all other eyevis LED cubes, the EC-1000 Series continues to rely on our innovative heatpipe cooling system, which has proven its reliable and highly effective function in thousands of cubes in diverse operating conditions. In addition to that, our heatpipes require absolutely no servicing and contain no toxic liquids.



LOW POWER CONSUMPTION

Although the cubes from the EC-1000 Series have a higher light output, power consumption has not risen. For typical applications like in control rooms, the power consumption is even up to 20% less compared to values of our standard cubes. At the same time the heat dissipation of the cubes could be lowered, which reduces the demands on the HVAC systems in control rooms. Thus, the devices from the EC-1000 Series are not only brighter, they also save energy.



INTEGRATED OPTIMISING OPTIONS

- Perfect system adjustment with eyeDevice Setup software
- Fast and easy parameter setting
- Optional Multi-Cube Auto-Colour-Tracking

PRECISION SCREEN CONCEPT

- Different screen options available to suit any requirements
- Minimum gaps between cubes thanks to clipping method
- Very easy and fast installation

AVAILABILITY AND RELIABILITY

- Extremely long lifetime of the LED lights
- Qualitative high value components
- Highly efficient maintenance-free heatpipe cooling



EC-LSXT+-1000

SXGA+ DLP® REAR-PROJECTION CUBES WITH CLUSTER-LED PROJECTION TECHNOLOGY FOR 2D/3D DISPLAY



TECHNICAL SPECIFICATIONS

Type:	50-Inch / EC-50-LSXT+-1000	70-Inch / EC-70-LSXT+-1000	80-Inch / EC-80-LSXT+-1000	100-Inch / EC-100-LSXT+-1000
Description:	Digital DLP® Rear-Projection Cube with Cluster-LED Illumination, stackable and addible, for data and video representation (100" not stackable)			
Resolution:	1,400 × 1,050 Pixel (SXGA+/4:3) / Chip: DMD-Chip SXGA+ / LVDS 0.95"			
Brightness ¹ in cd/m ² :	HB Screen: CP Screen: ISE Screen:	HB Screen: CP Screen: ISE Screen:	HB Screen: CP Screen: ISE Screen:	HB Screen: Beta Screen:
Full Brightness Mode:	1068 (max.) 580 (max.) 506 (max.)	553 (max.) 300 (max.) 258 (max.)	414 (max.) 225 (max.) 197 (max.)	230 (max.) 125 (max.)
Normal Operation Mode:	917 (typ.) 498 (typ.) 431 (typ.)	474 (typ.) 258 (typ.) 219 (typ.)	356 (typ.) 193 (typ.) 168 (typ.)	198 (typ.) 107 (typ.)
Contrast Ratio:	1500:1 (typ. / static contrast) / up to 10.000:1 (active LED control)			
3D Stereoscopia ² :	120Hz Active Stereo (with active shutter glasses)			
Brightness Uniformity:	≥95% (SUR25)			
Image Size (W×H):	1000×750 mm (Ø ~50"/~127cm)	1400×1050 mm (Ø ~70"/~177cm)	1600×1200 mm (Ø ~80"/~203cm)	2000×1500 mm (Ø ~100"/~254cm)
Dimensions (W×H×D):	1000 × 980 × 620 mm	1400 × 1270 × 750 mm	1600 × 1480 × 1000 mm	2000 × 1628 × 1350 mm
Weight:	ca. 75kg (incl. housing, projection engine, input box & screen)	ca. 90 kg (incl. housing, projection engine, input box & screen)	141 kg (incl. housing, projection engine, input box & screen)	ca. 160 kg (incl. housing, projection engine, input box & screen)
Input:	1× DVI-D, optional with Scaler Board: 2× RGB, 2× DVI, 2× Composite Video, 1× Y/C, 1× YUV, 1× S-Video			
Standard Screen:	Improved Screen Element (ISE-Screen) / other screen types available on request			Beta Screen
Frame:	0.3 mm	0.3 mm	0.3 mm	2 mm
Power Consumption ¹ :				
Full Brightness Mode:	235 W	235 W	235 W	235 W
Normal Operation Mode:	160 W	160 W	160 W	160 W
Reduced Power Mode:	120 W	120 W	120 W	120 W
Heat Dissipation:	545 BTU/h (@Normal Operation)			
Median LED Lifetime:	≥60,000 hrs (under normal environmental conditions on 60% brightness) / (≥80,000h based on 50% brightness / ≥100,000h on 30% brightness; i.e. additional 15,000 to 40,000 hrs depending on the amount of power reduction / L70B50 manufacturer information)			
Software:	eyeDESIGN Software			

ENVIRONMENTAL

Temperature Conditions:	10-40° C / recommended 15 - 25 °C / for Seamless Screens 18 - 25 °C / Storage: 0 - 50 °C
Humidity:	0% - 80 % not condensing
Altitude:	0 - 3000 m
Noise Level:	≤ 36 dB
Ingress Protection:	IP 50

ORDERING INFORMATION

Item Numbers:	18803 -> EC-50-LSXT+-CP-1000 (50" Cube, SXGA+, CrossPrism-Screen) 20848 -> EC-50-LSXT+-BB-1000 (50" Cube, SXGA+, BlackBead-Screen) 20285 -> EC-50-LSXT+-ISE-1000 (50" Cube, SXGA+, ISE-Screen)	18804 -> EC-70-LSXT+-CP-1000 (70" Cube, SXGA+, CrossPrism-Screen) 18805 -> EC-70-LSXT+-BB-1000 (70" Cube, SXGA+, BlackBead-Screen) 20294 -> EC-70-LSXT+-ISE-1000 (70" Cube, SXGA+, ISE-Screen)	18807 -> EC-80-LSXT+-CP-1000 (80" Cube, SXGA+, CrossPrism-Screen) 18808 -> EC-80-LSXT+-BB-1000 (80" Cube, SXGA+, BlackBead-Screen) 21588 -> EC-80-LSXT+-ISE-1000 (80" Cube, SXGA+, ISE-Screen)	19040 -> EC-100-LSXT+-BS-1000 (100" Cube, SXGA+, Beta-Screen)
---------------	---	---	---	--

OPTIONS

- Different screen versions to suit the requirements of different fields of application (viewing angles, brightness uniformity, etc.)
- Scaler Board (internal split controller up to 10×10 Matrix, with 2× DVI, 2× RGB, 2× Video)
- ACT - Auto-Colour Tracking, auto-adjustment of brightness and colours for each display according to the adjusted values
- EYE-MSP - Matrix-Shading-Processor integrated in cube
- EYE-MDP - Matrix and Delay Processor integrated in cube
- EYE-SCP - Shading and Colour Processor integrated in cube
- EC-MAS - Motorized geometry adjustment via IR remote control or PS2
- Network Board
- Service and Maintenance Contracts
- Different Basement Options: Standard Basement, Basements on Wheels, Basements on Rails, Anti-Vibration Basements

¹ Full Brightness Mode -> full LED brightness with calibrated colours / Normal Operation Mode -> approx. 70% of LED brightness with calibrated colours



eyevis GmbH

Hundsschleistrasse 23 • 72766 Reutlingen • Germany
Phone: + 49 (0) 7121 43303 - 0 • Fax: + 49 (0) 7121 43303 - 22
www.eyevis.de • info@eyevis.de

As at: 12.07.2017 / V1.0 • Subject to change!

All trademarks and registered trademarks are the property of their respective owners. Copyright © 2017 eyevis GmbH. All rights reserved.