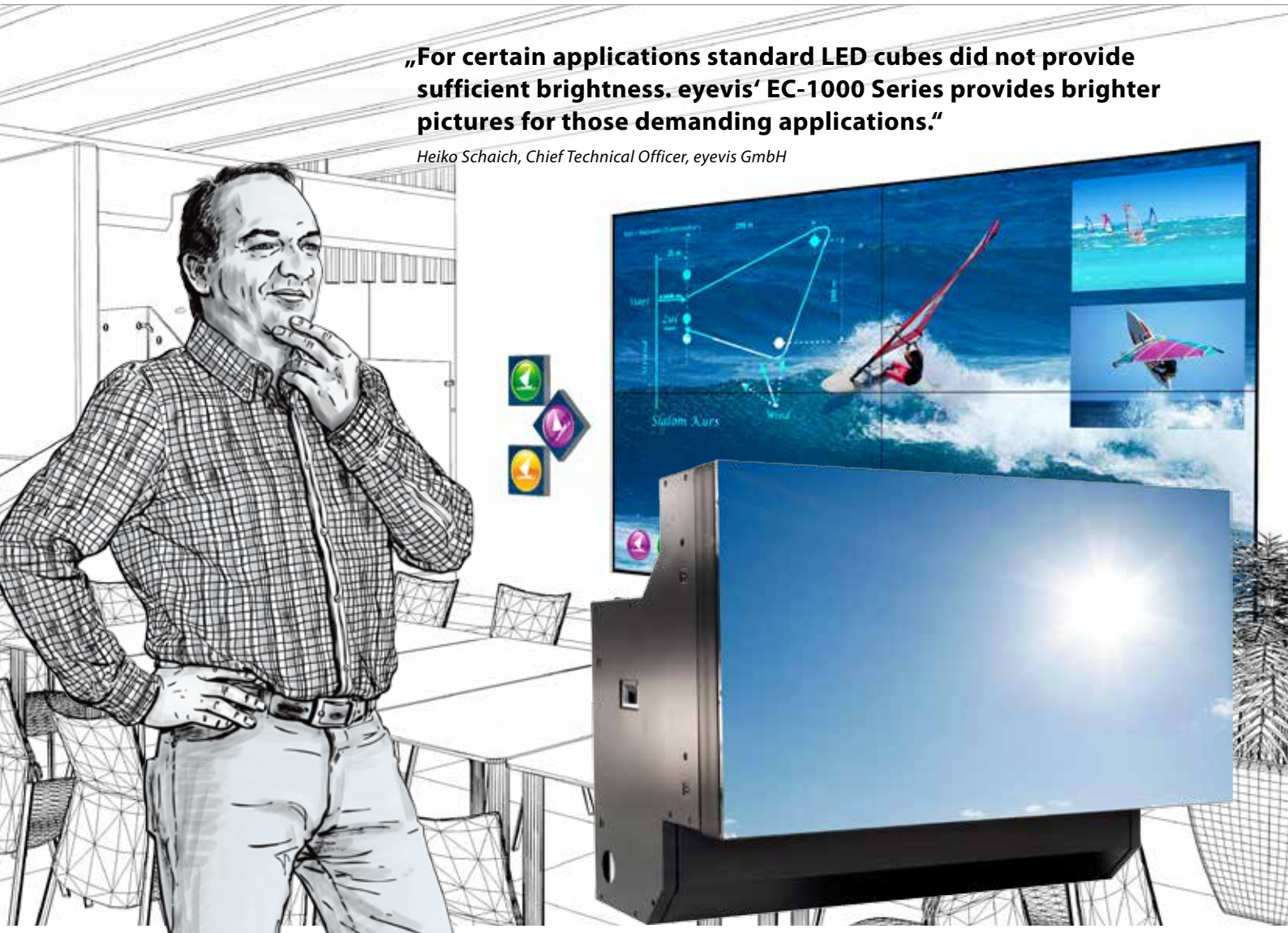
eyevis
PERFECT VISUAL SOLUTIONS

„For certain applications standard LED cubes did not provide sufficient brightness. eyevis' EC-1000 Series provides brighter pictures for those demanding applications."

Heiko Schaich, Chief Technical Officer, eyevis GmbH



HIGH BRIGHTNESS LED-LIT DLP® REAR-PROJECTION CUBES

THE BRIGHTEST SIDE OF LED REAR-PROJECTION!

ecCUBE® 1000

EYEVIS REAR PROJECTION LINE

High Brightness LED-lit DLP® rear-projection cubes by eyevis – brightest pictures for demanding applications.

Always bright, now even brighter: eyevis LED cubes with new Cluster-LED technology.

Thanks to Cluster LEDs with a higher light output we are now able to provide the EC-1000 series as a second generation of our rear-projection cubes with enhanced brightness level.

The EC-1000 Series of rear-projection cubes complements the product range of our rear-projection units for applications in which the brightness of the previously available standard versions was not sufficient to make advantage of the benefits of LED-lit rear-projection technology. Although in most installations of our standard cubes in control rooms the brightness is absolutely adequate, certain applications e.g. in presentation areas, however, may require a higher brightness of the displayed image.

To meet these higher demands, we have fitted the projectors of our proven EC rear-projection cubes with new Cluster-LED technology. In comparison to standard LEDs these provide a remarkably higher light output. The cubes from the EC-1000 Series are available in SXGA+, UXGA, Full HD and WUXGA.

- HIGHEST RELIABILITY
- OUTSTANDING IMAGE QUALITY
- LOW-MAINTENANCE SYSTEM
- OPTIONAL FEATURES

Bright, brilliant and reliable – The EC-1000 Series

AVAILABLE VERSIONS

SXGA+ (4:3 / 1400×1050px)
- EC-50-LSXT+-1000
- EC-67-LSXT+-1000
- EC-70-LSXT+-1000
- EC-80-LSXT+-1000
- EC-100-LSXT+-1000

UXGA (4:3 / 1600×1200px)
- EC-70-LUXT-1000

FULL HD (16:9 / 1920×1080px)
- EC-50-LHD-1000
- EC-60-LHD-1000
- EC-67-LHD-1000
- EC-70-LHD-1000

WUXGA (16:10 / 1920×1200px)
- EC-56-LWXT-1000
- EC-70-LWXT-1000

While our standard cubes still use tried and tested standard LEDs as light source for the projector, the projectors in the cubes from the EC-1000 Series feature new Cluster-LEDs, where the active LED surface is 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.

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.

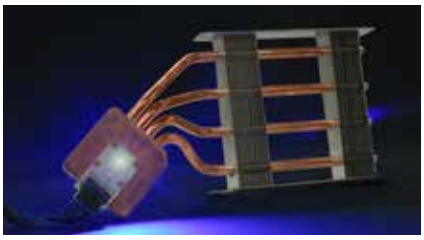
Of course, all optional features that make our rear-projection units so flexible to use are also available for the EC-1000 Series. This includes the various available screens, different basement options, optimization features for installations in broadcast areas, or the automatic colour/brightness adjustment system for cube walls (ACT).

eyevis' EC-1000 Series offers the perfect solution for demanding requirements.
As the first manufacturer of rear-projection solutions using LEDs as a light source, eyevis looks back on years of experience with this technology. Based on the know-how of numerous installations of LED-based projection solutions eyevis developed the EC-1000 Series. After their first performance at infocomm 2011, the second generation of our high brightness cubes from the EC-1000 Series are now available as a complete range of products in various sizes and resolutions.

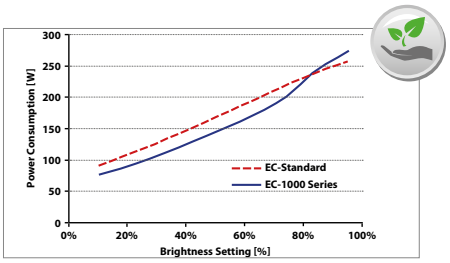
Brighter pictures with less power consumption
Although the cubes from the EC-1000 Series have a higher light output, power consumption has not risen.
For typical applications like in control rooms, the power consumption is even up to 20% less compared to values of our standard cubes.

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!

Convincing quality „made in Germany"
- Established LED-lit DLP® technology adapted to innovative high-brightness Cluster-LED illumination.
- in the unlikely case that a section of a cluster fails, the remaining LED sections of the cluster are not affected and remain in operation. The picture is still displayed on the cubes.
- Separate control channels for each colour
- Resilience through 3-channel concept of LED driver and LEDs.
- Innovative active power reduction: In the improbable event of a failure of the cooling system or if the ambient temperature exceeds tolerable values, the system automatically reduces the power of the LEDs, but the displayed content remains visible.



CLUSTER LED WITH HEATPIPES



UP TO 20% LESS POWER CONSUMPTION

ECO-FRIENDLY CONCEPT:
- Mercury-free illumination
- Production certified to ISO 14001
- Extraordinary long operating time
- Low power consumption, no waste of resources
- No additional environmental load through wear parts
- Cooling system without toxic liquids

COLOUR-RESCUE-CONTROL:
- Special operation mode to compensate defect LED modules
- Displayed information remains visible even with one or two defective LEDs
- Colour replacement can be defined according to the customer's image content

OPTIONS:
- Different screen versions to suit the requirements of different fields of application
- Scaler Board (internal split controller up to 10x10 Matrix, with 2x DVI, 2x RGB, 2x Video)
- ACT - Auto-Colour Tracking with 12Bit colour measurement, auto-adjustment of brightness and colours for each display according to the adjusted values
- EYE-MSP - Matrix-Shading-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

TECHNICAL SPECIFICATIONS

EC-1000 SERIES

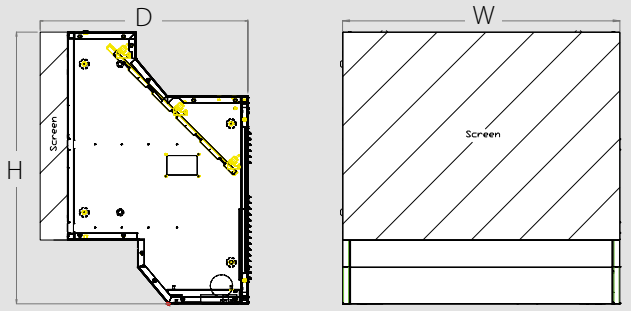
High brightness LED-lit digital DLP® rear-projection cubes for applications in command and control, presentation and digital signage, information and communication

	SXGA+ (1400×1050 px / 4:3)				
	EC-50-LSXT+-1000	**EC-67-LSXT+-1000**	**EC-70-LSXT+-1000**	**EC-80-LSXT+-1000**	**EC-100-LSXT+-1000**
Screen Diagonal	50 inch (ca.127 cm)	67 inch (ca. 170 cm)	70 inch (ca. 178 cm)	80 inch (ca. 203 cm)	100 inch (ca. 254 cm)
Active Screen	1000×750mm	1364×1023 mm	1400×1050 mm	1600×1200 mm	2000×1500 mm
Brightness* in cd/m²					
HB Screen (max./typ.)	1068 / 917	580 / 498	553 / 474	414 / 356	230 / 198
CP Screen (max./typ.)	580 / 498	315 / 270	300 / 258	225 / 193	125 / 107 (Beta Screen)
Contrast	1500:1 (max. 5000:1 dynamic)				
Power Consumption	typ. 210 W (reduced power mode: 120 W / max. 300 W)				
Dimensions (W×H×D)	1000×980×620mm	1364×1243×750 mm	1400×1270×750 mm	1600×1480×1000 mm	2000×1628×1350 mm

	UXGA (1600×1200 px / 4:3)	FULL HD (1920×1080 px / 16:9)			
	EC-70-LUXT-1000	**EC-50-LHD-1000**	**EC-60-LHD-1000**	**EC-67-LHD-1000**	**EC-70-LHD-1000**
Screen Diagonal	70 inch (ca. 178 cm)	50 inch (ca. 127 cm)	60 inch (ca. 152 cm)	67 inch (ca. 170 cm)	70 inch (ca. 177 cm)
Active Screen	1400×1050 mm	1107×623 mm	1344×756 mm	1460×821 mm	1460×821 mm
Brightness* in cd/m²					
HB Screen (max./typ.)	617 / 530	1299 / 1115	884 / 759	755 / 648	723 / 620
CP Screen (max./typ.)	335 / 288	705 / 605	480 / 412	410 / 352	383 / 321
Contrast	1500:1 (max. 5000:1 dynamic)				
Power Consumption	typ. 210 W (reduced power mode: 120 W / max. 300 W)				
Dimensions (W×H×D)	1400×1388×970 mm	1100×798×740 mm	1344×956×820 mm	1460×1054.3×850 mm	1549×1131×825 mm

	WUXGA (1920×1200 px / 16:10)	
	EC-56-LWXT-1000	**EC-70-LWXT-1000**
Screen Diagonal	56 inch (ca. 142 cm)	70 inch (ca. 178 cm)
Active Screen	1209.5×756 mm	1519.8×950 mm
Brightness* in cd/m²		
HB Screen (max./typ.)	995 / 854	626 / 538
CP Screen (max./typ.)	540 / 464	340 / 292
Contrast	1500:1 (max. 5000:1 dynamic)	
Power Consumption	typ. 210 Watt (reduced power mode: 120 W / max. 300 W)	
Dimensions (W×H×D)	1209.5×968×743 mm	1519.8×1190×800 mm

THE DIMENSIONS OF THE EC-1000 SERIES



As at: September 2013. Subject to technical change without prior notice.
* Different screen options available: High Brightness, CrossPrism, BlackBead (especially for broadcast applications), and ISE (Improved Screen Element)

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