



EC-70-LHD-1004

EYEVIS 4TH GENERATION FULL HD 70-INCH DLP® REAR-PROJECTION CUBE WITH SINGLE-MODULE-DESIGN LED-PROJECTION-UNIT



) PRODUCT DESCRIPTION

The eyevis **EC-70-LHD-1004** is a modular rear-projection cube with a **screen diagonal of 70 inch** (ca. 177 cm) and **Full HD resolution (1920 × 1080 pixels)**.

With the new 1004 series eyevis presents its latest development in the fields of LED-lit rear-projection cubes. In order to reduce the number of parts inside the devices, we simplified the product design through the integration of all interior components in a single-module housing.

During the simplification of the product design all high-quality features of the eyevis DLP cubes remained untouched. These include the robustness, the long-term stability, the seamless monitor mounting and the flexible modularity. In addition, the less complex construction design enables us to offer the 1004 series at a competitive price level.

The proven characteristics of the high-quality eyevis DLP cubes regarding image quality, brightness, mechanical robustness and thin bezel were also retained in the new EC-1004 series. The new cubes come with stackable housing which enables the installation of video walls without additional mounting structures. The modular design of the cubes thereby allows for a fast and uncomplicated setup. Furthermore, the new EC-1004 series is equipped with our innovative "seamless" screen mounting with Discrete Screen Clamp technology in order to be able to realize video walls with smallest gaps between the screen.

The cubes from the EC-1004 Series are available with XGA, SXGA+, FULL HD and WQXGA resolutions.

) 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

EASY-HANDLING CONCEPT

- Projection unit in single-module design
- Fast installation and maintenance: the projection unit can be installed or dismantled to the front or the rear side within a few simple steps
- „Seamless“ screen bracket with discrete screen clamp technology

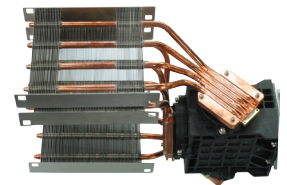
OUTSTANDING IMAGE QUALITY

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

) INNOVATIVE COMPONENTS

HEATPIPE COOLING SYSTEM

The EC-1004 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.



PROJECTION-UNIT IN SINGLE-MODULE DESIGN

All electric, optical and electronic components as well as the cooling system are integrated completely into a closed projection unit including a network interface and colour control (ACT-internal). This unit can be inserted into or removed from the cube housing in a few simple steps. This speeds the setup and reduces the downtime during maintenance.



INTEGRATED OPTIMISING OPTIONS

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

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



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) TECHNICAL SPECIFICATIONS

Type:	EC-70-LHD-1004, eyevisCube 70" with Cluster-LED illumination and native Full HD resolution	
Description:	Digital 70 inch DLP®-rear-projection unit, stackable and addible, for data and video representation	
Resolution:	1920 × 1080 Pixel (Full HD/16:9) / Processing: 1080P / 0.95 inch DMD@LVDS	
Brightness*:	HB Screen: 723 cd/m ² (max. / Full Brightness Mode) / 620 cd/m ² (typ. / Normal Operation Mode) ISE Screen: 264 cd/m ² (max. / Full Brightness Mode) / 223 cd/m ² (typ. / Normal Operation Mode)	
Contrast Ratio:	1500:1 (typ. / static contrast)	
Brightness Uniformity:	≥95% (SUR25)	
Image Size (W×H):	1550 × 872 mm (ca. 70 inch / 177 cm screen diagonal)	
Dimensions (W×H×D):	1550 × 1132 × 833 mm	
Weight:	ca. 100 kg (incl. housing, projector and screen element)	
Input:	1x DVI-D (Signal), 2x RJ45 (RS232 Control IN/OUT), 1x RJ45 (Ethernet), 1x Feature Connector, 1x 5V Power Out for optical fibre power supply	
Projection Screen:	Standard Screen: Improved Screen Element (ISE-Screen) / other screen types available on request	
Frame:	0.3 mm	
Power Consumption*:	Full Brightness Mode:	270 W
	Normal Operation Mode:	185 W
	Reduced Power Mode:	135 W
Heat Dissipation:	631 BTU/h (@ Normal Operation Mode)	
Median LED Lifetime:	>60,000 hrs under normal environmental conditions / L70B50 manufacturer information) (75,000 - 90,000 hrs in 'Low Power Operation Mode', i.e. additional 15,000 to 30,000 hrs depending on the amount of power reduction)	
Software:	eyeDevice Setup 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

ORDERING INFORMATION

Item Numbers:	21077 -> EC-70-LHD-ISE-1004 (70" DLP® Cube with Full-HD resolution and ISE Screen) 21076 -> EC-70-LHD-BB-1004 (70" DLP® Cube with Full-HD resolution and BlackBead Screen)
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OPTIONS

- Optional image processing devices (matrix, shading, geometry correction, colour correction) to be connected to the proprietary eyevis Feature Connector
- Different screen versions to suit the requirements of different fields of application (viewing angles, brightness uniformity, etc.)
- ACT - Auto-Colour Tracking, auto-adjustment of brightness and colours for each display according to the adjusted values
- Service and Maintenance Contracts
- Different Basement Options: Standard Basement, Basements on Wheels, Basements on Rails, Anti-Vibration Basements

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



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