



) EC-70-WXT

Digital DLP® Rear Projection Cube

The eyevis EC-70-WXT is a modular rear-projection cube with a screen diagonal of 70". The cubes from the EC-series are a proprietary development from eyevis. It is especially designed for applications which require a reliable 24/7 operation in an 16:10 aspect ratio. The display technology is based on the DLP® technology (Digital Light Processing) by TEXAS INSTRUMENTS. This superior technology produces high-definition images of the highest quality. Whether you want to display video data or more complex graphics – you will always get a pin sharp image.



eyevis attached much importance on the possibility to use their cubes even in critical ambient light conditions or other challenging safety-related problems. The WXT version uses a 1-chip-DLP® projector with a display resolution of 1,920 x 1,200 pixels.

The MTBF of the lamps is indicated by the manufacturer with 6,000 - 8,000 hours. Thanks to the use of the DLP® technology there is no damage to the display, such as "ghost"-images or burn-in effects, even with continuous static images or fixed patterns.

Since the foundation of the company twelve years ago, eyevis has done a lot of pioneer work in the fields of continuously operating DLP® applications. Also ergonomic requirements calculation is carried by the high image quality.

In numerous tests and comparisons the DLP® technology turned out to be the most reliable for continuous operation. The lifetime of the DMD™ chips is about 150,000 hours (MTBF: 650,000 hours). Of course, all the other parts of the device share the same high standards. This results in low service and maintenance costs for our customers.

The EC-70-WXT has a screen size of 1520 mm width and 950 mm height and is available with a standard "seamless" frame (0,3 mm). Only components of highest quality are built in the EC-70-WXT, in order to ensure the highest possible availability for 24/7 operation.

Therefore the eyevis EC-series allows realising completely flexible display walls, providing the highest colour fidelity, a maximum of brilliance and outstanding reliability.

) ADVANTAGES OF EYEVIS EC CUBES

Outstanding picture quality

- High contrast and best brightness
- Colour uniformity and wide viewing angle
- Autom. colour adjustment and ambient light absorbing
- Latest DLP® technology

Integrated optimising options

- Dynamic brightness control
- Fast and easy parameter setting
- Intelligent colour wheel
- Intelligent lamp system

Availability and reliability

- Redundancy through double lamp system
- Qualitative high value components
- High MTBF
- High user-friendliness

Durability

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

Ergonomics

- Very low noise level
- No chromatic dispersion
- Flexible image quality, adjustable to ambient light conditions
- Perfect display of video signals

Precision screen concept

- Perfect viewing angle
- Minimal gaps thanks to clipping method
- Very easy and fast installation

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) TECHNICAL SPECIFICATIONS

Type	EC-70-WXT eyevisCube 70" WUXGA
Description	Digital 70" DLP®-rear- projection unit, stackable and addible, for data and video representation
Resolution	1920 x 1200 Pixel (Wide UXGA)
Processing	Texas Instruments DMD-Chip
Brightness	314 cd/m ² @ 100Watt / 388 cd/m ² @ 120 Watt
Contrast Ratio	>4500:1
Brightness Uniformity	>95%
Image Size (WxH)	1520 x 950 mm (ca. 70" diagonal)
Dimensions (WxHxD)	1520 x 1190 x 803 mm mm (step-shaped)
Weight	ca. 90 kg
Input	1x DVI-D, optional with Scaler Board: 2x RGB, 2x DVI, 2x Composite Video, 1x Y/C, 1xYUV, 1x S-Video
Projection Screen	Seamless CrossPrism Screen, viewing angle horizontal & vertical 180°
Frame	0.3 mm
Power Consumption	180 W @ 100/240 V _{AC}
Lamp Consumption	100-120 W; alternatively: 132-150 W
Lamp Life-Time	ca. 8000 - 10000 hrs @ 100-120 Watt ca. 6000 - 8000 hrs @ 132-150 Watt (manufacturer Information MTBF, depending on operating conditions)
Software	eyevisCubeManager

) Environmental

Operating Conditions	recommended 18 - 25 °C; 10 - 35 °C; for Seamless Screen 18 - 25 °C; Storing: 0 - 50 °C
Humidity	0% - 80 % not condensating
Altitude	0 - 3000 m
Noise Level	<36dB
Thermal Load	180 Watt

) Options

- Automatic Double-lamp System cold Stand-by (optional: hot Stand-by), includes 2-channel power supply and lamp ballast
- Scaler Board (internal split controller up to 10x10 Matrix, with 2x DVI, 2x RGB, 2x Video)
- Different Screen Alternatives
- Additional DVI Input
- Multi-Cube Color-Brightness Adjustment
- Network Board
- EYE-DUST, anti-dust housing
- Lamp Leasing Agreement
- Service and Maintenance Contracts

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