



## NEDIT MediaFace



The experience of the developer and manufacturer of the first transparent outdoor media facade in your interest.

NEDIT MediaFace the leading-edge product, based on more than 30 years of experience in the development of LED technology.

## NEDIT MediaFace

### Our technology and your benefits (abstract)

The NEDIT MediaFace has been developed for outdoor use on facade structures and is not a simple product extension originating from the stage or entertainment business. Therefore you can be assured that this product will fit into all outdoor requirements (for technical data and specifications, please see fact sheet)

By the use of selected components, special developed electronic devices and the specific vacuum grouting procedure for the electronics integrated into the slats, we achieve an unmatched reliability under all climate conditions. Due to the use of "classical" LEDs in selected top quality in combination with our patented slat construction we can go without an additional protection by covers or tubes made of plastic and so we achieve a significant more brilliant picture quality. As a further benefit resulting from these, within a long-time operation approved measures, we don't have any electronically or optical problems by water condensation, as known from other systems.

Further characteristic qualities of the NEDIT MediaFace are the statically control of the LEDs, the wide range of colours, the homogeneous distribution of the light density and the automatic brightness control. As a result of this an optimal brilliance of the colours will be ensured, even by changing and most extreme lighting conditions.

Interferences (flicker) and distortions (so-called jumping) at video and photo shoots of a display during operation are typical problems of multiplexed displays, caused by the interference of the display frequency and the characteristic frequency of the camera. Due to the operation of the NEDIT MediaFace with an image refresh rate of 200Hz based on our statically control technique (not multiplexed), the system works flicker-free without interferences and artifacts.

By using the statically control technique, the LED's will be controlled by a constant current source. So different to the multiplexed systems the LED's will be controlled not with a high pulse current, but with a greatly reduced current from 0,3 - 1,3 mA. Among the other benefits, this technique causes a significant saving of energy.

Further features, such as a continuous temperature control, contribute to the fact that the system always will be operated in an optimum range, as well referring to the visual impression of the display as to the power consumption and operational life span.

In summary we achieve with all these measures, compared to other products, up to a doubling of the LED lifetime.

Due to the unique slimline slats with only 1 cm height, the system performs a sensational transparency. In combination with the available customized colouring of the slats (anodisation or powder coating in available RAL colours) this is the perfect base for the integration in an existing architecture.

The use of optical transmission networks for the video data guarantees, that the system neither disturbs other electronic equipment (EMI) nor will be disturbed by them (EMC).

The system will be manufactured in Germany, custom fitted to your requirements, according to all standards and with best electronic and optical components only (e.g.: we only use LED's of the world's leading manufacturers Nichia and Avago).

## NEDIT MediaFace

### Our technology and your benefits (summary)

- developed and optimized for the outdoor use in architectural environments
- use of selected components and special developed electronic devices only
- specific vacuum grouting procedure for the electronics integrated into the slats
- patented slat construction
- unmatched reliability under all climate conditions
- strictly use of LED's of the world's leading manufacturers Nichia and Avago
- use of "classical" LEDs in selected top quality
- no electronically or optical problems by water condensation
- statically control of the LED's (increased LED lifetime, decreased power consumption)
- LED lifetime typically 100.000 operating hours (under Central European climate conditions)
- automatic brightness control
- image refresh rate of 200Hz
- flicker-free images without interferences and artifacts, compatible with video cameras
- continuous temperature control
- unique slimline slats with only 1cm height
- sensational transparency
- customized colouring of the slats
- optical transmission networks for the video data to avoid EMI/EMC problems

### As a result from these and other measures the NEDIT MediaFace provides the following unique characteristics

- Highest transparency
- Best integration in architectural environments
- Lowest Total Cost of Ownership (TCO)
- Lowest power consumption
- Best relation between power consumption and luminous intensity
- Widest temperature range
- Best relation between temperature range and LED lifetime
- Easy maintenance
- Remote diagnosis available
- Remote content management available
- 2 level service philosophy
- More than 30 years of experience in development and production of LED panels / LED displays
- A product from the manufacturer of the first transparent outdoor media facade worldwide
- **Made in Germany**



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