NEDIT

NEDIT MediaFace

NEDIT MediaFace is the custom-tailored, transparent media facade for your building. It is the first full-colour and video-capable outdoor presentation system on facades that neither alters the building architecture nor impairs the free view from inside to outside and vice versa.

NEW - Latest LED-technology for highest brightness up to **13.500 cd/sqm** and best relation between power consumption and luminous intensity.

NEW - Real-time Scaler and Video Processor for the playout of the content to each screen form, able to control free pixel positioning.

The reliability under all climate conditions is guaranteed by the manufacturer of the first transparent outdoor media facade worldwide at the T-Mobile HQ Bonn (Germany).

MADE IN GERMANY

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Introduction

As a world innovation, our NEDIT MediaFace combines completely contradicting contrasts.

It is the first full-colour and video-capable outdoor presentation system on facades that neither alters the building architecture nor impairs the free view from the inside to the outside and vice versa.

Also it is the perfect solution for large Stage or TV shows, Industrial Presentations and Brand Presentations.

The size, shape and contour of NEDIT MediaFace can be adapted to suit individual requirements. The design possibilities and the size are almost limitless, up to 10.000 square metres and more.

NEDIT MediaFace is the new, exciting medium for Media Architecture, Advertising, Art, Video Installations, Still Images and Visual Signals. Day and Night!

Well, the NEDIT MediaFace has been developed for outdoor use on facade structures and is not a simple product extension originating from the stage and entertainment business. Therefore you can be assured that this product will fit into all outdoor requirements, but the NEDIT MediaFace is of course applicable in indoor environments too.

The system is manufactured in Germany according to all standards and will be custom fitted to your requirements. Always driven by highest quality levels (e.g.: we only use Nichia and Avago LED) the system offers highest transparency to be able to be perfectly integrated in architectural and creative backgrounds and comes with endless possibilities in animating the impressive LED front.

Whether we talk about colour animation, logo and text distribution, or about full colour live streaming video including advertising spots, there is no limit.

Unique characteristics

- Highest transparency

- Best integration in architectural environments

- Customized solutions for the mechanical adaption to the facade

- Customized slat lengths, fitted to the specific facade structure

- 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

- Highest reliability under all climate conditions

- Remote diagnosis available

- Remote content management available

- 2 level service philosophy

Approved reliability

- A product from the manufacturer of the first transparent outdoor media facade worldwide at the T-Mobile HQ Bonn (Germany)

- More than 30 years of experience in development and production of LED panels / LED displays

- Developed and manufactured in Germany (protected by patents)

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Screen Technology

The transparent NEDIT MediaFace will be individual planned and manufactured for each project. It achieves his display quality by aluminium slats with a basic size of 1 cm (H) x 4 cm (D) x variable length (L). Due to these unique slimline slats the system performs a sensational transparency.

Slats are available with a length of 8 pixel x pixel pitch x multiplier and a maximum total length of up to 6 metres. The intra-slat pixel pitch usually range from 4,3 cm up to approx. 15 cm. Each pixel consists of 4 wired LED's (1 blue, 2 red, 1 green). The complete driver-electronic of a single pixel is located inside the slat. Thereof variant slat forms must be reviewed and approved separately.

The fixture of the slats also will be developed and manufactured individual for each project. The distance between the slats (greater or equal 4,3 cm) will be specified, depending on the requirements on-site.

The screen is statically and not multiplex controlled. So it is flicker-free and without interference patterns. Due to the statically controlled operation, the lifetime of the LED increases and the power consumption is decreasing. Further on the NEDIT MediaFace is compatible with video cameras and can be used as scenery for TV productions also.

The power consumption is dependent on the pixel density and the total size of the screen. The power supply in general will be specified, according to the country specific regulations.

Video Control Unit (VCU)

The VCU is build up in a transportable or stationary 19" rack and consists of the following functional units, which will be realized customized in one or various hardware and/or software units:

Standard features

Media Player	Display of the required content for a given project or presentation
Scaler (standard scaling)	Converting of the video resolutions due to the different input and output formats
Video Processor	Converting of the video signals to the screen requirements
Service	Software for maintenance and management of the NEDIT MediaFace

Optional features

NEDIT MediaFace SVP	**NEW** real-time Scaler and Video Processor for the playout of the content to each screen form, able to control free pixel positioning
Creator	Creation and editing of the projects, including page layout, content and scheduling
Network Manager	Administration of projects/presentations for one or multiple, remote Media Players
Interfaces	Various interfaces are available for the input of analogue or digital video signals
Other	Additional software and operating capabilities can be supplied as needed

Data Splitting Unit - Multiplexer (DSU Mux)

Functionality	Distribution of the processed signals to the D/N-Boxes (19" technology)
Connectivity	Interface to the VCU for video data and maintenance data via glass fibre Interfaces for the connection of the required quantity of D/N-Boxes via polymer optical fibre incl. one control channel for each D/N-Box

Data Control and Power Supply Unit (D/N-Box)

Functionality	Sub distribution of the signals to the slats / Power supply of the slats (form and size will be developed due to the marginal conditions on-site)
Connectivity	Each D/N-Box supports up to 1024 pixel

NEDIT MediaFace

Technical specifications - T-Mobile HQ Bonn

Size	9,90 m (H) x 30,27 m (W) = 299,67 sqm
Resolution	87 pixel (H) x 704 pixel (W) = 61.248 pixel
Pixel Pitch	11,4 cm (H) x 4,3 cm (W)
Transparency	~ 91%
Directivity Angle	30/30°
Luminous Intensity (Ø/screen)	~ 2.350 cd/sqm
Power Consumption (Ø)	~ 7kVA
Power Consumption (max.)	~ 18kVA (screen completely white)

NEDIT MediaFace - General technical specifications

Smallest Symmetrical Pixel Pitch	4,3 cm x 4,3 cm	(variable)
Transparency (min.) *1	~ 77%	(variable)
Weight per Slat (basic profile)	~ 0,625 kg/m	
Processing 14 Bit / colour	42 Bit	
Colour depth	4,4 trillion (4,4 x 10^12)	
Brightness control	8 Bit	
LED lifetime (lumen depreciation 50%)	50.000 hours - 100.000 hours	

Pixel data (photometric/electric)

	NEW - Option 1	**NEW** - Option 2
Directivity Angle	30/30°	110/40°
Luminous Intensity (Ø/Pixel)	~ 25,1 cd	~ 9,0 cd
Luminous Intensity (Ø/Screen) *1	~ 13.500 cd/sqm	~ 4.870 cd/sqm
Power Consumption (Ø/Pixel)	170 mW	195mW
Power Consumption (max./white Pixel)	410 mW	470mW

Environmental conditions "Slats"

Ambient temperature (operation)	-30 °C - 85 °C
Ambient temperature (storage)	-30 °C - 95 °C
Protection Class	IP 65 (IP 66 Option)

Environmental conditions "D/N-Boxes"

	Basic Version	Advanced Version
Ambient temperature (operation)	0 °C - 50 °C	-20 °C - 50 °C
Ambient temperature (storage)	0 °C - 70 °C	-20 °C - 70 °C
Protection Class	IP20	IP54

Environmental conditions "DSU Mux"

Ambient temperature (operation)	0 °C - 50 °C
Ambient temperature (storage)	0 °C - 70 °C
Protection Class	IP20

Environmental conditions "VCU"

Ambient temperature (operation)	10 °C - 35 °C
Ambient temperature (storage)	0 °C - 40 °C
Protection Class	IP20

*1) Pixel Pitch: 4,3x4,3 cm

Specifications are subject to change without notice