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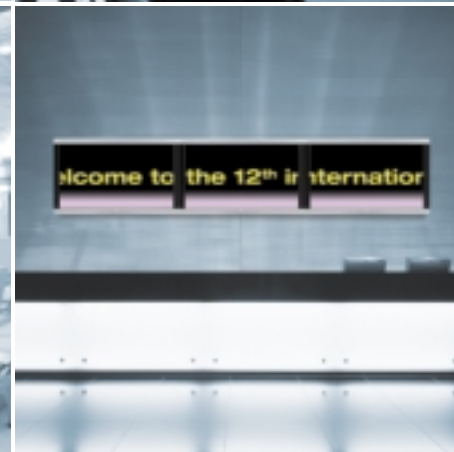
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MULTEOS
PURE FASCINATION

MULTEOS

REACH YOUR AUDIENCE AS NEVER BEFORE

Designer piece, entertainer and sales professional – the MULTEOS reflects a new age in visual communication. Classy and purist, it attracts people’s attention and adjusts perfectly to the most sophisticated architectural setups. A strong presence for strong brands in flagship stores, designer shops and shopping malls. A fashionable focus point in trendy bars, restaurants, hotel lobbies and fitness studios. An image carrier in conference rooms and control centres of international businesses. The MULTEOS fascinates in all different kinds of environment – as a stand-alone solution on an elegant aluminum stand, mounted or in multi-display installations. And always with an opulent interior life.



MULTEOS

Positioning of the product name MULTEOS

► MULTEOS is a combination of “**MULT**” = many and “**EOS**” = the Greek goddess of dawn, also called “rose-fingered Morn” and “early-born”, and known for her unique beauty and grace.

Thus the concept is continuously carried over into the product name. MULTEOS contains many new ideas and visions, signifying the beginning of a new era in many respects. see more...

Design with international format

► The designer of the MULTEOS product line is the winner of more than 50 design awards from around the world – including the US American IDEA Gold Award, the German iF Design Award, the British D&AD Award, the Mainichi Design Award as well as the Japan Good Design Gold Prize.

The eye catcher for visual communication

Until now, public displays were primarily used as an information medium with only one thing in mind: The reliable communication of information while integrating themselves simply and unobtrusively into their environment. Although this qualitative demand remains an important aspect, a new dimension has now been added: Design. It must be possible to embed public displays in the sophisticated design of shop concepts without them appearing as obtrusive foreign objects.

The MULTEOS monitor series was created with this background in mind, a visible synthesis of proven NEC performance and outstanding design qualities! Change begins here – from public displays as an integrated object to design elements with their own strong and individual style statements.



Freedom of choice: noble aluminum or discreet black bezel, i.e. for video walls.

see more.

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MULTEOS - SALES PROMOTION IN A DESIGNER OUTFIT

- ▶ **Professional public display, razor-sharp**
- ▶ **Fascinating colours, pictures and videos**
- ▶ **Full HD resolution 1,920 x 1,080 for fabulous designs**
- ▶ **TV tuner (analogue) for a real-life picture experience**
- ▶ **DVI-D + HDMI with HDCP for the latest interface technologies**
- ▶ **Extremely flexible, with variable option slot**
- ▶ **Overheating protection for intensive use**



Full HD display with revolutionary multimedia compatibility

Virtual worlds turn visions into reality. MULTEOS multifunctional monitors with full HD resolution supply lifelike pictures. The visual experience, with fascinatingly rich details, triggers emotions, sharpens the senses, inspires and informs. Never before has a display been equipped with a comparably extensive range of innovative technologies for professional use as well as hook-up options for traditional and future-oriented connections. High-Tech combined with futuristic design- the new world of digital vision.

Full HD resolution

for HDTV, HD DVDs / Blu-ray Disc and digital signage applications which require space and are rich in details. Full HD offers up to 97% more room compared to a resolution of 1,366 x 768. It is perfect for applications in sales promotion, such as digital menu cards, product offers, promotion spots etc. as well as map display or applications in broadcasting.

HDMI interface

with HDCP for the reception of encrypted signals. Indispensable for better reception and decoding of high-resolution, encoded signals.

MULTEOS displays are extremely contact-friendly – to an enthusiastic audience as well as, technically, with connections to numerous video and PC sources:

- ▶ **1080p-capable**
- ▶ **Components, composite, S-video inputs**
- ▶ **SCART signal-compatible**
- ▶ **Option slot for CAT5 receiver, HD SDI or SBC (integrated PC)**
- ▶ **5 BNC connections** (RGB HV and RGB with sync-on-green)
- ▶ **HDMI + DVI-D**



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see more.

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An unmatched variety of innovative functions open new possibilities and chances. MULTEOS displays bring ideas to life, ensuring that messages reach audiences with maximum clarity and impact.

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AN UNMATCHED NUMBER OF FUNCTIONS

► Flexible

MULTEOS displays can be perfectly integrated. They can be the free-standing centre of the whole arrangement on an elegant, easily detachable stand. As part of the interior architecture, it is perfectly mounted on the wall or on steles according to VESA standard. Or it can be combined with other elements in a video wall as an eye-catcher of the special kind.

► Reliable

The overheating protection, specially developed for professional use, guarantees a long product life even in extreme environments. A heat/temperature sensor checks the temperature regularly and, when necessary, cools the product down with two fans to the individually defined optimum temperature (e.g. 45 °C). Additional mechanisms, such as automatic reduction of brightness in extreme temperatures, ensure uninterrupted operation, guaranteeing the reliability of the MULTEOS line.

► Unrivaled

Designer pieces with future technologies trigger strong desires. Therefore MULTEOS displays are equipped with coded theft protection. Once activated, the display can only be reactivated by entering the password after power was disconnected.

► User-friendly

With its elegant silver design and comprehensive functionality, the MULTEOS remote control is striking. All connections and the most important functions can be controlled at the simple push of a button. Simple navigation with a new on-screen menu: all main categories are represented by easily recognisable menu icons. The logical grouping of the setting options supports the intuitive and efficient navigation in the display's menu.

► Medically matched

The MULTEOS line has the DICOM profile, which allows the standardised representation of medical documents. In combination with a programmable LUT and the FHD resolution, the displays are excellent representation modules in the medical field.

► Consistent colours

Colour temperatures have great significance – for instance in broadcasting with its strictly defined background pictures. The colour temperature of the MULTEOS displays can be set to between 2,600 and 10,000K in 100K increments.

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INNER VALUES WITH GREAT USER BENEFIT

► Independent

Advanced CableComp provides spatial freedom – up to 30 metres with digital and 100 metres with analogue signal cables. No manipulation at the PC, no equipment that is in the way, but perfect colour brilliance and picture sharpness. It also works without any cables – optionally with an integrated single-board computer.

► Teamwork-capable

Thanks to TileMatrix, up to 5 x 5 multifunctional monitors can be installed with standard commercial graphic cards as a video wall. Here TileComp simulates a frameless display wall without annoying transitions. Series-connected, MULTEOS displays accompany the viewer through shopping centres or along trade fair stands.

► Absolutely reliable

Trade fair stands often have a distinct style. And weak power circuits as well. This poses no problem with Power on Delay, though. Applications with heavy power consumption are safe due to the time-delayed start of the individual MULTEOS displays.

► Efficient

Depending on the input, the integrated scheduler function handles the turning on and off of the displays. This increases efficiency of use and product life.

► Bled off

Free choice of colours for the margin areas in unmodified 4:3 applications. Selecting low contrast is ideal for optimum content design for static pictures and extends the product life of the display.

OPTIONS FOR UNFORGETTABLE AUDIO AND VIDEO EXPERIENCES

► Loudspeakers

The optionally available 2-way loudspeakers with 15 Watts each match the design of the displays. Quickly and easily assembled and connected to the display terminals, they turn the display into an audiovisual communication medium.

► Analogue TV tuner

In some environments it makes sense to offer the audience the television programme, for instance to shorten their waiting time or to turn their attention to the display. Here the television programme can be displayed via the picture-in-picture function while the main area of the monitor communicates other relevant information.



A LOOK BEHIND THE PROFESSIONAL SCENES

Why a public display such as the MULTEOS rather than an LCD or plasma television set from the consumer products section?

Business environments require professionalism. Long operating hours and adverse operating conditions turn service staff members into familiar faces in case of normal consumer televisions. The MULTEOS line has durable, superior components which, combined with a sophisticated concept, offer unmatched long product life and reliability.

MULTEOS displays set standards for infotainment displays of the future – the benefits compared to consumer televisions:

- sturdy construction and durable components
- user-definable, 3-step overheating protection
- integrated fans which start operating only when needed
- protective glass (optional)
- VESA mounting
- detachable loudspeakers (optional)
- option slot for single-board computer, HD SDI, CAT 5 receiver etc.
- landscape and portrait mode
- long cable management (digital and analogue)
- doubled product life (compared to consumer LCDs and Plasma TVs)
- 3 years warranty and on-site service

see more.

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INTERFACE VARIANTS

As variable as their application areas: MULTEOS multifunctional monitors are available with three different connection options.

► **The computer specialist – ideal for pure PC operation**

DVI-D, Dsub15 and 5 BNC in/out are available.

► **The entertainer – ideal for infotainment and video conferencing**

Has all the connections, but without television tuner.

► **The broadcaster – ideal for bars, restaurants, hotels and studios**

Full expansion stage, including all connections and analogue television tuner.

see more.

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MODELS AND TECHNICAL SPECIFICATIONS

MULTEOS M40

Screen Size
Optimum Resolution
Panel Technology
Viewing Angle
Contrast Ratio
Brightness
Response Time
Video Input

Supported TV Standards
Video Modes

Power Consumption (in operation)



MULTEOS M46

M40: 40"/102 cm · M46: 46"/117 cm
1,920 x 1,080
S-PVA LCD
178° hor. / 178° vert.
M40: 1000:1 · M46: 1200:1
450 cd/m²
8 ms (grey-to-grey)

Analogue: 5 x BNC, Component, Composite, 1 x S-Video,
1 x Dsub 15, Digital: DVI-D (with HDCP), HDMI
NTSC, PAL, SECAM
2 x 1080p (50 and 60 Hz), 2 x 1080i (50 and 60 Hz),
2 x 720p (50 and 60 Hz), 576p, 480p, 480i
M40: 230 W · M46: 260 W

