EYE SYSTEMS
International GmbH
EYECATCHING TECHNOLOGIES

+49 (0) 40 593 555 30
WWW.EYE-SYSTEMS.DE
WWW.HOLOCIRCLE.EU

ZEUGHAUSSTR. 44
D-20459 HAMBURG
INFO@EYE-SYSTEMS.DE

# EYE SYSTEMS PRODUCT CATALOG 2019

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EYE SYSTEMS Int. GmbH · Zeughausstraße 44 · D-20459 Hamburg · info@eye-systems.de

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# RENTAL PARK

## ES SCREEN INDOOR LED PANELS

**ES SCREEN A1 [1,2 mm]**
**ES SCREEN U2 [2,5 mm]**
**ES SCREEN C2 [2,8 mm]**
**ES SCREEN C3 [3,9 mm]**
**ES SCREEN Q3ST [3,9 mm]**
**ES SCREEN R5 [5,9 mm]**

## ES SCREEN OUTDOOR LED PANELS

**ES SCREEN M5 [5,9 mm]**
**ES SCREEN M5 Floor**
**ES SCREEN B8 [8,9 mm]**
**ES SCREEN E10 [10 mm]**
**ES SCREEN E10 Trailer**
**ES SCREEN I30 [30 mm]**

## ES STAND READY-MADE MEDIA DISPLAYS

**ES Stand LED**
**ES Stand Media I**
**ES Stand Media II**

## ES CHARGE MOBILE CHARGING STATION

**ES Charge I**
**ES Charge II**

## LCD DISPLAYS

**42“ Philips Multi-Touch**
**55“ NEC Display**
**65“ Panasonic Display**
**75“ Samsung Display**

## VIDEO & LED PROCESSING

**Switcher & Mixer**
**LED Controller & Scaler**

At **EYE SYSTEMS** we strive to give our customers the most options for LED and LCD display solutions. Whether you are hosting a large conference, concerts, exhibitions, a huge music festival, sports events, road shows, TV shows, or other indoor or outdoor events, which requires displays, we have the right product for you.

**EYE SYSTEMS** guarantees the highest product and service quality. Our highly qualified team of experts offers smooth realization, detailed advice and professional technical support. We can offer you more than 600 $m^2$ of indoor and outdoor high-quality LED products in our rental stock, starting from 1.2 mm pixel pitch.

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# RENTAL PARK

## TOUCH DISPLAYS

**48“ 10-Punkt Multitouch Display**
**40“ Touch Display**
**55“ Touch Display**
**85“ Multitouch Display**
**46“ Touch Display**

## LED DISPLAYS

**46“ LED Display Samsung**
**40“ LED Display Samsung**
**80“ LED Display Samsung**
**32“ LED Display Samsung**
**65“ LED DIsplay**
**105“ LED Display**

## MULTISYNCH DISPLAYS

**55“ LED LCD 4K UHD NEC MultiSync**
**65“ LED LCD 4K UHD NEC MultiSync**

## HYPEBOX

**32“ Full HD Landscape - Hypebox Touch**
**42“ Full HD Landscape - Hypebox Touch**
**55“ Full HD Hypebox Touch**

## MORE RENTAL PRODUCTS

**Touch Table**
**Touch Overlays**
**Beamer, Projectors**

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# HOLOCIRCLE

## EYE CATCHING!
## FUTURE!
## HOLO!

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# HOLOCIRCLE 65X™

## TECHNICAL DETAILS

| | |
|---|---|
| **DIRECTION:** | wall hanging, grounding, portable |
| **RESOLUTION:** | 720 x 720 px |
| **BRIGHTNESS:** | 1200 cd/qm |
| **SCREEN SIZE:** | 65cm*65cm/25.6*25.6inch |
| **COLOR:** | black |
| **INPUT VOLTAGE:** | 24V, 3A |
| **POWER RATING:** | 48W |
| **FILE FORMATS:** | jpg, gif, mp4 |
| **LONGEVITY:** | continuously running for more than 30000h |

| | |
|---|---|
| **DISPLAY IN MULTI-SCREEN:** | Support holographic interaction of multi-screen as PC extension to enlarging image size |
| **ACCESSORIES:** | floor stands need to be purchased separately |
| ***WARRANTY:*** | ***2 years*** |

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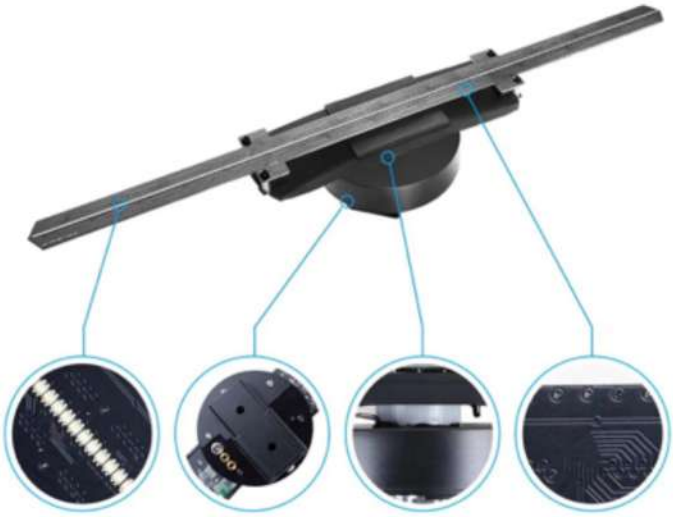
# HOLOCIRCLE 65™

## TECHNICAL DETAILS



| | |
|---|---|
| **DIRECTION:** | wall hanging, grounding, portable |
| **RESOLUTION:** | 512 x 512 px |
| **BRIGHTNESS:** | 1200 cd/qm |
| **SCREEN SIZE:** | 57.7cm x 57.7cm / 22.8 x 22.8 inch |
| **COLOR:** | black |
| **INPUT VOLTAGE:** | 24V |
| **POWER RATING:** | 40W |
| **FILE FORMATS:** | jpg, gif, mp4 |
| **LONGEVITY:** | continuously running for more than 50000h |
| **DISPLAY IN MULTI-SCREEN:** | Support holographic interaction of multi-screen as PC extension to enlarging image size |
| **ACCESSORIES:** | Transparent outer cover (acrylic cover) needs to be purchased separately |
| ***WARRANTY:*** | ***2 years*** |

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# HOLOCIRCLE 100X™

## TECHNICAL DETAILS

| | |
|---|---|
| **DIRECTION:** | wall hanging, grounding, portable |
| **RESOLUTION:** | 1024 x 1024 px |
| **BRIGHTNESS:** | 1200 cd/qm |
| **SCREEN SIZE:** | 100cm x 100cm/ 39.3 x 39.3 inch |
| **COLOR:** | black |
| **INPUT VOLTAGE:** | 24V, 3A |
| **POWER RATING:** | 48W |
| **FILE FORMATS:** | jpg, gif, mp4 |
| **LONGEVITY:** | continuously running for more than 30000h |

| | |
|---|---|
| **DISPLAY IN MULTI-SCREEN:** | Support holographic interaction of multi-screen as PC extension to enlarging image size |
| **ACCESSORIES:** | floor stands need to be purchased separately |
| ***WARRANTY:*** | ***2 years*** |

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**+49 (0) 40 593 555 30**

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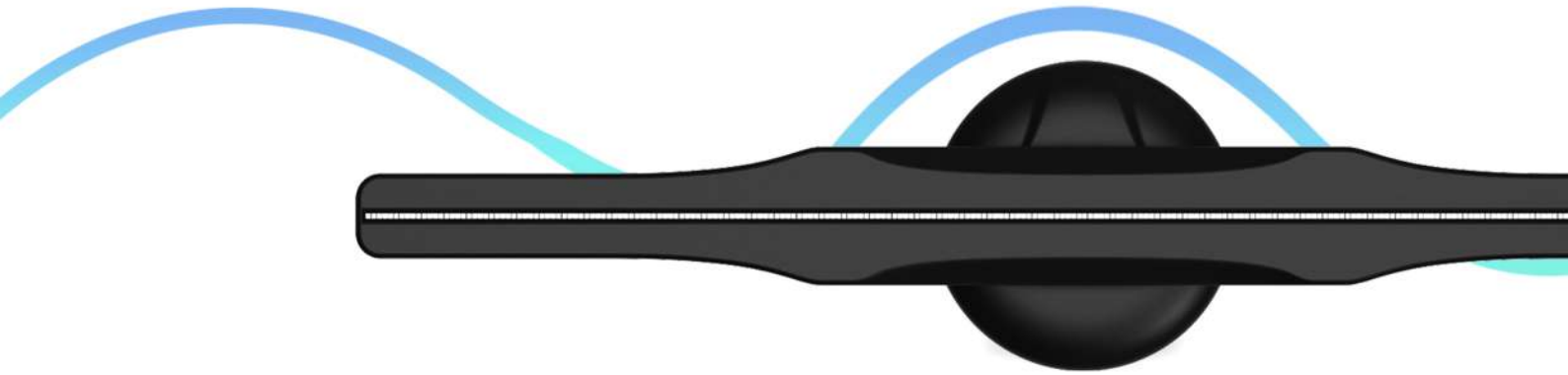
HOLOCIRCLE

# HOLOCIRCLE 50™

## TECHNICAL DETAILS



| | |
|---|---|
| **DIRECTION:** | wall hanging, grounding, portable |
| **RESOLUTION:** | 512 x 512 px |
| **BRIGHTNESS:** | 1200 cd/qm |
| **SCREEN SIZE:** | 46.5cm x 46.5cm / 18.4 x 18.4 inch |
| **COLOR:** | black |
| **INPUT VOLTAGE:** | 12V |
| **POWER RATING:** | 18W |
| **FILE FORMATS:** | jpg, gif, mp4 |
| **LONGEVITY:** | continuously running for more than 50000h |

| | |
|---|---|
| **DISPLAY IN MULTI-SCREEN:** | Support holographic interaction of multi-screen as PC extension to enlarging image size |
| **ACCESSORIES:** | Transparent outer cover (acrylic cover) needs to be purchased separately |
| ***WARRANTY:*** | ***2 years*** |

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# HOLOVISION
## MAGIC IN A BOX

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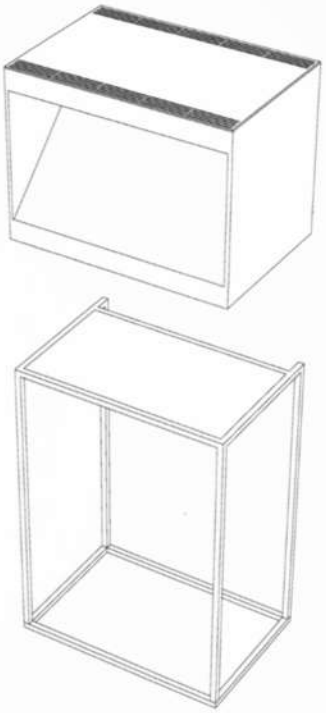
# ES HOLOVISION 32H

HV32 H

## Horizontal Holo Box

| | |
|---|---|
| Brightness | 1200 cd/m² |
| Viewing angle | 176° / 176° |
| Resolution | 1366 x 768 |
| Contrast ratio | 5000:1 |
| Active screen diagonal | 32” |
| Active screen area | 695 x 390 mm |
| Internal Storage | 4 GB SD |
| Content uploading | SD card |
| Power consumption | 85 W |
| Cooling | Heatsink |
| Content uploading | SD card |
| Audio | Optional |
| Operating conditions | 0 – 40°C at max. 80% humidity |
| OSD Menu | Buttons |
| Dimensions | 745 x 569 x 500 mm WxHxD |
| Floorstand : | 745 x 1035 x 500 mm WxHxD |
| Weight package | 76 kg |
| Weight Floorstand | 10 kg |
| Video content | MPEG-1, MPEG-2, H.264, WMV, MP4, MOV |

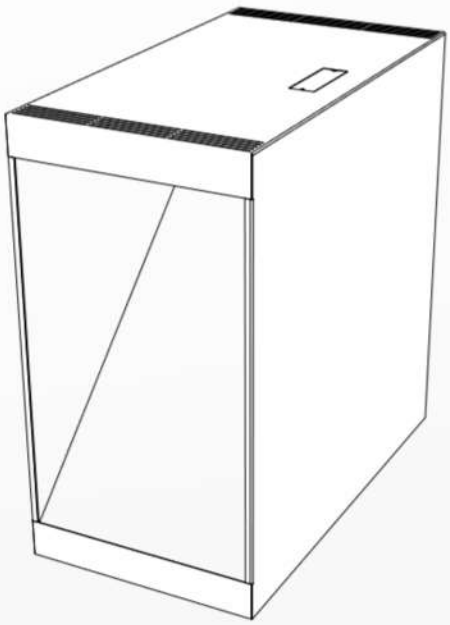


# ES HOLOVISION 32V

HV32 V

## Vertical Holo Box

| | |
|---|---|
| Brightness | 1200 cd/m² |
| Viewing angle | 176° / 176° |
| Resolution | 1366 x 768 |
| Contrast ratio | 5000:1 |
| Active screen diagonal | 32” |
| Active screen area | 695 x 390 mm |
| Internal Storage | 4 GB SD |
| Power consumption | 85 W |
| Cooling | Heatsink |
| Content uploading | SD card |
| Audio | Optional |
| Operating conditions | 0 – 40°C at max. 80% humidity |
| OSD Menu | Buttons |
| Dimensions | 441 x 848 x 806 mm WxHxD |
| Floorstand : | 441 x 750 x 806 mm WxHxD |
| Weight package | 76 kg |
| Weight Floorstand | 10 kg |
| Video content | MPEG-1, MPEG-2, H.264, WMV, MP4, MOV |



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# ES HOLOVISION 70H

HV70 H

## Horizontal Holo Box

| | |
|---|---|
| Brightness | 700 cd/m² |
| Viewing angle | 178° / 178° |
| Resolution | 1080 x 1920 |
| Contrast ratio | 4000:1 |
| Active screen diagonal | 70” \| 1778 mm diagonal |
| Active screen area | 1530 x 865 mm |
| Internal Storage | 8 GB |
| Power supply | 90-240 V AC, 50-60 Hz |
| Content uploading | SD card |
| Power consumption | 155 W |
| Audio | 10 W x 2 |
| Operating conditions | 0 – 40°C at max. 80% humidity |
| OSD Menu | Remote control |
| Dimensions | 1749 x 1955 x 1163 mm WxHxD |
| Dimensions Package: | 2000 x 1680 x 1380 mm WxHxD |
| Net Weight | 397 kg |
| Weight package | 80 kg |
| Total weight | 477 kg |
| Video content | MPEG-1, MPEG-2, H.264, WMV, MP4, MOV |

# ES HOLOVISION 70V

HV70 V

## Vertical Holo Box

| | |
|---|---|
| Brightness | 700 cd/m² |
| Viewing angle | 178° / 178° |
| Resolution | 1080 x 1920 |
| Contrast ratio | 4000:1 |
| Active screen diagonal | 70” \| 1778 mm diagonal |
| Active screen area | 1530 x 865 mm |
| Internal Storage | 8 GB |
| Power supply | 90-240 V AC, 50-60 Hz |
| Content uploading | SD card |
| Power consumption | 155 W |
| Audio | 10 W x 2 |
| Operating conditions | 0 – 40°C at max. 80% humidity |
| OSD Menu | Remote control |
| Dimensions | 1080 x 1955 x 1820 mm WxHxD |
| Dimensions Package: | Box: 2410 x 1300 x 1300 mm WxHxD |
| Net Weight | 360 kg |
| Weight package | 80 kg |
| Total weight | 440 kg |
| Video content | MPEG-1, MPEG-2, H.264, WMV, MP4, MOV |

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# EYE SYSTEMS
# LED VIDEO WALLS

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# ES SCREEN SLIM

## Pixel Pitch 3.9 mm · Indoor

Low Weight - High Performance.
Straight Slim Perfect Design.

EYE SYSTEMS applies advanced carbon fiber technology creating only 1cm thickness LED panel frames.

- Weighs only 1/5 of a normal LED display
- Carbon fiber panel frame
- Low brightness with High grayscale and pixel by pixel calibration technolog
- LCD display with self-test function and indicating working status
- Handles with special designed buffering function
- 45 degree oblique angle design, seamless connection sticky tape

# FACTS

| | |
|---|---|
| Brightness [cd/m²] | **1.000** |
| Weight [kg/panel] | **3,9 /4,3** |
| Resolution [pixel/m²] | **128x128** |
| Cabinet Material | **Carbon fiber** |

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# ES SCREEN SLIM

## PHYSICAL FACTS

| | |
|---|---|
| Pixel pitch [mm] | **3.9** |
| Brightness [cd/m²] | **1.000** |
| Protection level [front / back] | **IP 40** |
| Cabinet weight [kg] | **3.9 / 4.3** |
| Cabinet size [mm] | **500x500x53** |
| Cabinet resolution [px ] | **128x128** |
| Pixel density [px/m²] | **65536** |

## OPTICAL FACTS

| | |
|---|---|
| Viewing angle hor/ver [deg] | **140 / 140** |
| Refresh rate min. [Hz] | **2.880** |
| IC driver | **MBI 5252** |
| LED type | **SMD 2121 Black Face / Non Glossy** |
| LED | **Kinglight** |
| Processing [bit] | **16** |
| Video processing | **Novastar 470** |

## ACCESSORIES

Addional option: LED CUBE

## POWER SUPPLY

| | |
|---|---|
| Input voltage [V] | **100 - 240** |
| Average Power consumnption | **75 (W/panel)** |

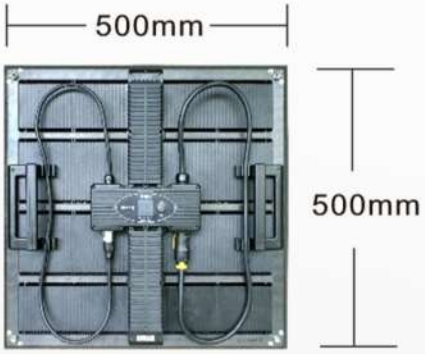
## ES STANDARDS

Professional Image Processing / Video direction

Certificates: CE (EMV), RoHs

## ENVIROMENT

| | |
|---|---|
| Operation Humidity [RH] | **10% - 80%** |
| Working temperature min. /max. [°C] | **-20 / +40** |



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# ES SCREEN C2

**Pixel Pitch 2,84 mm · Indoor**

High Standards.
Best Performance.

Ultimate image experience designed
for best stage rental performance.

## FACTS

| | |
|---|---|
| Brightness [cd/m²] | **1.100** |
| Weight [kg/m²] | **36** |
| Resolution [pixel / m²] | **352 x 352** |
| Cabinets per m² | **4** |
| Wattage max- / avg. [W/m²] | **736 / 296** |

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# ES SCREEN C2

## PHYSICAL FACTS

| | |
|---|---|
| Pixel pitch [mm] | **2,84** |
| Brightness [cd/m²] | **1.100** |
| Protection level [front / back] | **IP 21 / IP 43** |
| Cabinet weight [kg] | **9** |
| Cabinet size [mm] | **500 x 500 x 75** |
| Cabinet resolution [px ] | **176 x 176** |
| Pixel density [px/m²] | **123,904** |
| Cabinet material | **Aluminium CNC finish** |

## OPTICAL FACTS

| | |
|---|---|
| Viewing angle hor/ver [deg] | **140 / 140** |
| Refresh rate min. [Hz] | **3.840** |
| IC driver | **MBI 5153** |
| LED type | **SMD 2020 (black face)** |
| LED | **Nationstar** |
| Processing [bit] | **15** |
| Video processing | **Novastar** |

## ACCESSORIES

| | |
|---|---|
| Cabinet case size (L x W x H) [cm] | **105 x 58 x 75** |
| Cabinet case weight (full) [kg] | **114** |
| Cabinets per case | **8** |
| m² per case | **2** |
| Hanging brackets | **Single / Double** |

## POWER SUPPLY

| | |
|---|---|
| Input voltage [V] | **110 - 220** |
| Wattage max./avg. [W / cabinet] | **184 / 74** |
| Wattage max./avg. [W / m²] | **736 / 296** |
| Vabinets per 16 A phase | **16** |

## ES STANDARDS

Black face LED (Indoor Series)

Professional Image Processing / Video direction

Certificates: CE (EMV), RoHs

## ENVIROMENT

| | |
|---|---|
| Operation Humidity [RH] | **10% - 90%** |
| Working temperature min. /max. [°C] | **-20 / +60** |

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# ES SCREEN C3

## Pixel Pitch 3,91 mm · Indoor

High Performance.
Straight & Curved Design.

Ultimate image experience paired with the impressive effect of a combinable straight and curved screen.

· Fast & Easy Installation
· Straight 0°
· Convex -5°
· Concave +10°

# FACTS

| | |
|---|---|
| Brightness [cd/m²] | **1.200** |
| Weight [kg/m²] | **36** |
| Resolution [pixel/m²] | **256 x 256** |
| Cabinets per m² | **4** |
| Wattage max./avg. [W/m²] | **736 / 288** |

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# ES SCREEN C3

## PHYSICAL FACTS

| | |
|---|---|
| Angle adjustment [deg] | **-20 / +30** |
| Pixel pitch [mm] | **3,91** |
| Brightness [cd/m²] | **1.200** |
| Protection level [front / back] | **IP 43** |
| Cabinet weight [kg] | **9** |
| Cabinet size [mm] | **500 x 500 x 75** |
| Cabinet resolution [px ] | **128 x 128** |
| Pixel density [px/m²] | **65.536** |
| Cabinet material | **Aluminium CNC finish** |

## OPTICAL FACTS

| | |
|---|---|
| Viewing angle hor/ver [deg] | **140 / 140** |
| Refresh rate min. [Hz] | **1.920** |
| IC driver | **MBI 5124** |
| LED type | **SMD 2121 (black face)** |
| LED | **Kinglight** |
| Processing [bit] | **16** |
| Video processing | **Novastar** |

## ACCESSORIES

| | |
|---|---|
| Cabinet case size (L x W x H) [cm] | **105 x 58 x 75** |
| Cabinet case weight (full) [kg] | **120** |
| Cabinets per case | **8** |
| m² per case | **2** |
| Hanging brackets | **Single / Double** |

## POWER SUPPLY

| | |
|---|---|
| Input voltage [V] | **110 - 220** |
| Wattage max./avg. [W / cabinet] | **184 / 72** |
| Wattage max./avg. [W / m²] | **736 / 288** |
| Vabinets per 16 A phase | **16** |

## ES STANDARDS

Black face LED (Indoor Series)

Professional Image Processing / Video direction

Certificates: CE (EMV), RoHs

## ENVIROMENT

| | |
|---|---|
| Operation Humidity [RH] | **10% - 90%** |
| Working temperature min. /max. [°C] | **-30 / +40** |

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# ES SCREEN A1

## Pixel Pitch 1,25 mm · Indoor

Parametric 16:9 cabinet design with stunning visual impact

Deepest black and phenomenal contrast ratio for superior grayscale performance and high fidelity brilliant colours.

Full front maintenance for installation without back space requirements. Cable-free connections.

Dual Backup: Power and data backup for ensured uninterrupted operation.

# FACTS

| | |
|---|---|
| Brightness [cd/m²] | **650** |
| Weight [kg/m²] | **42** |

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# ES SCREEN A1

## PHYSICAL FACTS

| | |
|---|---|
| Pixel pitch [mm] | **1,25** |
| Brightness [cd/m²] | **650** |
| Protection level [front / back] | **IP 40** |
| Cabinet weight [kg] | **8,5** |
| Cabinet size [mm] | **600 x 337,5 x 88** |
| Cabinet resolution [px ] | **480 x 270** |
| Cabinet material | **Aluminum CNC finish** |

## OPTICAL FACTS

| | |
|---|---|
| Viewing angle hor/ver [deg] | **160 / 140** |
| Refresh rate [Hz] | **600 - 3.840** |
| IC driver | **MBI 5252** |
| LED type | **SMD 1010** |
| LED | **Nationstar** |
| Processing [bit] | **16** |
| Video processing | **Novastar** |

## ES STANDARDS

Black face LED (Indoor Series)

Casetec cases

Professional Image Processing / Video direction

High class connex power distributor

Certificates: CE (EMV), RoHs

## POWER SUPPLY

| | |
|---|---|
| Input voltage [V] | **110 - 240** |
| Wattage max./avg. [W / cabinet] | **190 / 95** |

## ENVIROMENT

| | |
|---|---|
| Operation Humidity [RH] | **10% - 85%** |
| Working temperature min. /max. [°C] | **-20 / +50** |

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# ES SCREEN B8

## Pixel Pitch 8,9 mm · Indoor / Outdoor

Floor and Wall Installation

High stable with a payload of **2000** kg/m².
Protection cover and adjustable base support.

For fashion shows, car-shows and show rooms.

# FACTS

| | |
|---|---|
| Brightness [cd/m²] | **3.000** |
| Weight [kg/m²] | **54** |
| Resolution [pixel/m²] | **112 x 112** |
| Cabinets per m² | **4** |
| Wattage max./avg. [W/m²] | **800 / 280** |

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# ES SCREEN B8

## PHYSICAL FACTS

| | |
|---|---|
| Pixel pitch [mm] | **8,9** |
| Brightness [cd/m²] | **3.000** |
| Protection level [front / back] | **IP 65** |
| Cabinet weight [kg] | **13,6** |
| Cabinet size [mm] | **500 x 500 x 82** |
| Cabinet resolution [px ] | **56 x 56** |
| Pixel density [px/m²] | **12.544** |
| Cabinet material | **Aluminium** |

## OPTICAL FACTS

| | |
|---|---|
| Viewing angle hor/ver [deg] | **120 / 120** |
| Refresh rate min. [Hz] | **1.200** |
| IC driver | **MBI 5041** |
| Scan mode | **1 / 16** |
| LED type | **SMD 3535** |
| LED | **NationStar** |
| Processing [bit] | **14** |
| Video processing | **Linsn** |

## ACCESSORIES

| | |
|---|---|
| Cabinet case size (L x W x H) [cm] | **75 x 58 x 73** |
| Cabinet case weight (full) [kg] | **125** |
| Cabinets per case | **6** |
| m² per case | **1,50** |
| Hanging brackets | **Single / Double** |

## POWER SUPPLY

| | |
|---|---|
| Input voltage [V] | **110 - 240** |
| Wattage max./avg. [W / cabinet] | **200 / 70** |
| Wattage max./avg. [W / m²] | **800 / 280** |
| Vabinets per 16 A phase | **15** |

## ES STANDARDS

White face LED (Outdoor series)

Professional Titanex/Connex power cables

Neutrik connectors (powerCON NAC3)

Professional image processing / video direction

High class connex power distributor

Certificates: CE (EMV), RoHs

## ENVIROMENT

| | |
|---|---|
| Operation Humidity [RH] | **10% - 90%** |
| Working temperature min. /max. [°C] | **-30 / +50** |

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# ES SCREEN E10

## Pixel Pitch 10 mm · Outdoor

Allrounder

Everlasting design.
Extremely stable aluminium/ steel cabinet.
Fast installation.

DIP technology for maximum brightness.
Suitable for perimeter advertising,
public viewing and concerts.

**Optional:**

· Makrolon football protection
· Soft cover
· Perimeter stand

# FACTS

| | |
|---|---|
| Brightness [cd/m²] | **7.500** |
| Weight [kg/m²] | **68** |
| Resolution [pixel/m²] | **100 x 100** |
| Wattage max./avg. [W/m²] | **990 / 396** |

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# ES SCREEN E10

## PHYSICAL FACTS

| | |
|---|---|
| Pixel pitch [mm] | **10** |
| Brightness [cd/m²] | **7.500** |
| Protection level [front / back] | **IP65 / IP 54** |
| Cabinet weight [kg] | **65** |
| Cabinet size [mm] | **960 x 960 x 150** |
| Cabinet resolution [px ] | **96 x 96** |
| Pixel density [px/m²] | **10.000** |
| Cabinet material | **Steel / Aluminium** |

## OPTICAL FACTS

| | |
|---|---|
| Viewing angle hor/ver [deg] | **120 / 50** |
| Refresh rate min. [Hz] | **600** |
| IC driver | **MBI 5024** |
| Scan mode | **1 / 4** |
| LED type | **DIP 346** |
| LED | **NationStar** |
| Processing [bit] | **14** |
| Video processing | **Novastar** |

## ACCESSORIES

| | |
|---|---|
| Cabinet case size (L x W x H) [cm] | **102 x 56 x 122** |
| Cabinet case weight (full) [kg] | **160** |
| Cabinets per case | **2** |
| m² per case | **1,92** |
| Hanging brackets | **Single / Double** |

## POWER SUPPLY

| | |
|---|---|
| Input voltage [V] | **110 - 240** |
| Wattage max./avg. [W / cabinet] | **950 / 380** |
| Wattage max./avg. [W / m²] | **990 / 393** |
| Vabinets per 16 A phase | **3** |

## ES STANDARDS

DIP 346 high brightness LEDs (Outdoor)

Professional Titanex / Connex power cables

Neutrik connectors (powerCON NAC3)

Neutrik data cables (etherCON)

Professional Image Processing / Video direction

High class Connex power distributor

Certificates: CE (EMV), RoHs

## ENVIROMENT

| | |
|---|---|
| Operation Humidity [RH] | **10% - 90%** |
| Working temperature min. /max. [°C] | **-30 / +40** |

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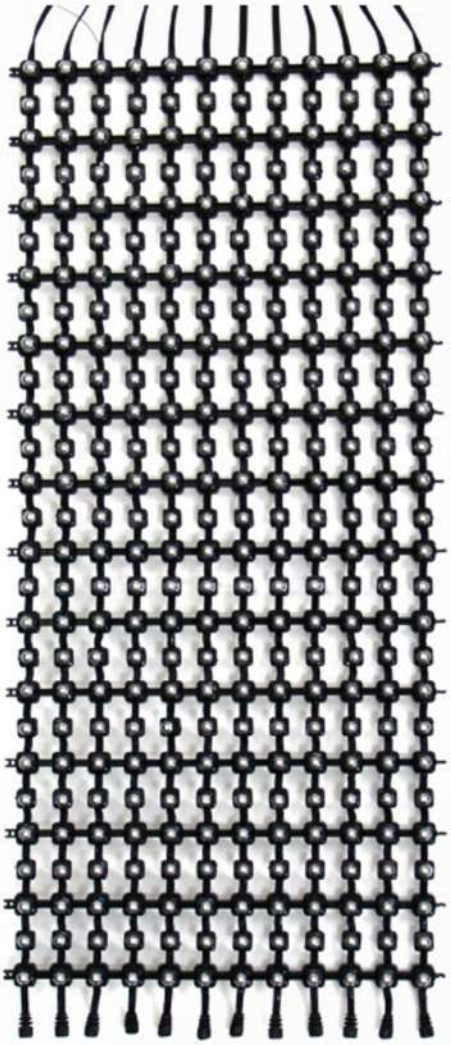
# ES SCREEN I30

## Pixel Pitch 30 mm · Outdoor

LED-Mesh



Ultra flexible and lightweight LED-mesh build for large screens with great effect illuminations.

Up to 45% transparency.

Optional: Black or transparent structure.

# FACTS

| | |
|---|---|
| Brightness [cd/m²] | **2.000** |
| Weight [kg/m²] | **8,6** |
| Resolution [pixel/m²] | **33 x 33** |
| Wattage max./avg. [W/m²] | **540 / 400** |

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# ES SCREEN I30

## PHYSICAL FACTS

| | |
|---|---|
| Pixel pitch [mm] | **30** |
| Brightness [cd/m²] | **2.000** |
| Protection level [front / back] | **IP 65** |
| Cabinet weight [kg] | **18** |
| Cabinet size [mm] | **360 x 5.760** |
| Cabinet resolution [px ] | **12 x 192** |
| Pixel density [px/m²] | **1.111** |
| Transparency [%] | **45** |

## OPTICAL FACTS

| | |
|---|---|
| Viewing angle hor/ver [deg] | **120 / 120** |
| Refresh rate min. [Hz] | **400** |
| IC driver | **GW 6505** |
| LED type | **SmD 5050** |
| LED | **LEDMAN** |
| Processing [bit] | **12** |
| Video processing | **Novastar** |

## ES STANDARDS

High brightness LED (Outdoor series)

Professional Image Processing / Video direction

Certificates: CE (EMV), RoHs

## POWER SUPPLY

| | |
|---|---|
| Input voltage [V] | **110 - 240** |
| Wattage max./avg. [W / cabinet] | **1.120 / 830** |
| Wattage max./avg. [W / m²] | **540 / 400** |
| Vabinets per 16 A phase | **2** |

## ENVIROMENT

| | |
|---|---|
| Operation Humidity [RH] | **10% - 90%** |
| Working temperature min. /max. [°C] | **-20 / +40** |

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# ES SCREEN M5

## Pixel Pitch 5,95 mm · Outdoor

High Definition Outdoor Rental
Convertible to LED-Floor

Suitable for high-class outdoor presentation with maximum brightness.

Optional: Convertible to LED-Floor with adjustable base support.

# FACTS

| | |
|---|---|
| Brightness [cd/m²] | **5.000** |
| Weight [kg/m²] | **39,2** |
| Resolution [pixel/m²] | **168 x 168** |
| Cabinets per m² | **4** |
| Wattage max./avg. [W/m²] | **680 / 340** |

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# ES SCREEN M5

Version UPADIII

## PHYSICAL FACTS

| | |
|---|---|
| Pixel pitch [mm] | **5,9** |
| Brightness [cd/m²] | **1.300** |
| Protection level [front / back] | **IP 65 / IP 54** |
| Cabinet weight [kg] | **12,5** |
| Cabinet size [mm] | **500 x 1.000 x 72** |
| Cabinet resolution [px ] | **84 x 168** |
| Pixel density [px/m²] | **28.224** |
| Cabinet material | **Die-Cast Aluminium** |

## OPTICAL FACTS

| | |
|---|---|
| Viewing angle hor/ver [deg] | **160 / 140** |
| Refresh rate min. [Hz] | **1.920** |
| IC driver | **SUM 2016** |
| Scan mode | **1 / 7** |
| LED type | **SMD 3528** |
| LED | **NationStar** |
| Processing [bit] | **16** |
| Video processing | **Novastar** |

## ACCESSORIES

| | |
|---|---|
| Cabinet case size (L x W x H) [cm] | **110 x 90 x 75** |
| Cabinet case weight (full) [kg] | **160** |
| Cabinets per case | **8** |
| m² per case | **4** |
| Hanging brackets | **Single / Double** |

## POWER SUPPLY

| | |
|---|---|
| Input voltage [V] | **110 - 240** |
| Wattage max./avg. [W / cabinet] | **240 / 120** |
| Wattage max./avg. [W / m²] | **480 / 240** |
| Vabinets per 16 A phase | **12** |

## ES STANDARDS

Black face LED (Indoor series)

Professional Connex / Neutrik power cables

Neutrik sockets (NE8FDX-P6-W)

Draka/Neutrik data cables (etherCON CAT7A)

Professional image processing / Video direction

High class connex power distributor

Certificates: CE (EMV), RoHs

## ENVIROMENT

| | |
|---|---|
| Operation Humidity [RH] | **10% - 95%** |
| Working temperature min. /max. [°C] | **-20 / +50** |

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# ES SCREEN M5 FLOOR

## Pixel Pitch 5,95 mm · Outdoor

High Definition Outdoor Rental
Convertible to LED-Floor

LED-Floor with adjustable base support made for high-class indoor & outdoor presentations with maximum brightness.

· Fire protection class B1
· Variable transparency level from 25 - 85 % black

# FACTS

| | |
|---|---|
| Brightness [cd/m²] | **5.000** |
| Weight [kg/m²] | **39,2** |
| Resolution [pixel/m²] | **168 x 168** |
| Cabinets per m² | **4** |
| Wattage max./avg. [W/m²] | **680 / 340** |

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# ES SCREEN M5 FLOOR

## PHYSICAL FACTS

| | |
|---|---|
| Pixel pitch [mm] | **5,95** |
| Brightness [cd/m²] | **5.000** |
| Protection level [front / back] | **IP 65 / IP 54** |
| Cabinet weight [kg] | **9,8** |
| Cabinet size [mm] | **500 x 500 x 86** |
| Cabinet resolution [px ] | **84 x 84** |
| Pixel density [px/m²] | **28.224** |
| Cabinet material | **Aluminium CNC finish** |

## OPTICAL FACTS

| | |
|---|---|
| Viewing angle hor/ver [deg] | **140 / 140** |
| Refresh rate min. [Hz] | **3.840** |
| IC driver | **MBI 5151** |
| Scan Mode | **1 / 7** |
| LED type | **SMD 2427** |
| LED | **Blue Rocket** |
| Processing [bit] | **16** |
| Video processing | **Novastar 470** |

## FLOOR CONSTRUCTION & COVER

| | |
|---|---|
| Fire Protection Class [DIN 4102] | **B1** |
| Variable Transparency Level | **25 - 85% black** |
| Load Capacity [t/m²] | **1,5** |
| Adjustable base support [mm] | **100 - 200** |
| Cover for LED floor | **transparent / grey / black** |

## POWER SUPPLY

| | |
|---|---|
| Input voltage [V] | **110 - 240** |
| Wattage max./avg. [W / cabinet] | **170 / 85** |
| Wattage max./avg. [W / m²] | **680 / 340** |
| Vabinets per 16 A phase | **16** |

## ES STANDARDS

High Brightness LED

Professional Titanex / Neutrik power cables

Neutrik sockets IP 65 (NE8FDX-P6-W)

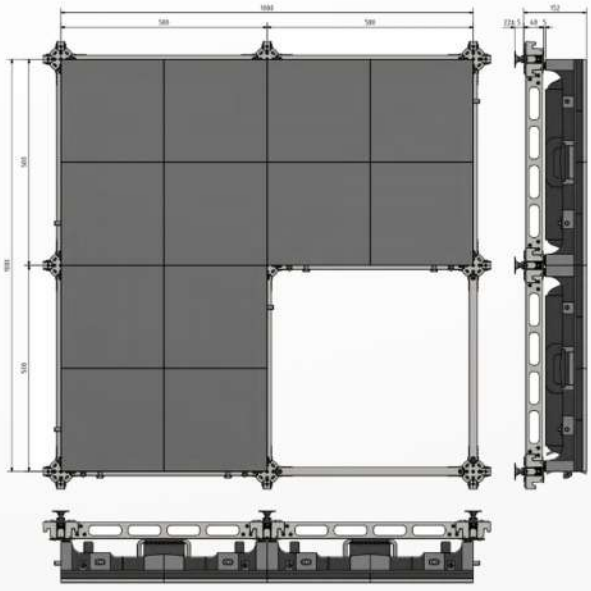
Draka/Neutrik data cables (etherCON CAT7A)

Casetec cases

Professional image processing / Video direction

High class connex power distributor

Certificates: CE (EMV), RoHs



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# ES SCREEN Q3 ST

## Pixel Pitch 3,91 mm · Indoor

Stunning
Image Quality

Metric-square-design.

Lightweight with intelligent lockingsystem for smart exhibition concepts. Fanless cooling concept. Low power consumption.

# FACTS

| | |
|---|---|
| Brightness [cd/m²] | **1.200** |
| Weight [kg/m²] | **36** |
| Resolution [pixel/m²] | **256 x 256** |
| Cabinets per m² | **4** |
| Wattage max./avg. [W/m²] | **560 / 280** |

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# ES SCREEN Q3 ST

Version UPADIII

## PHYSICAL FACTS

| | |
|---|---|
| Pixel pitch [mm] | **3,91** |
| Brightness [cd/m²] | **1.200** |
| Protection level [front / back] | **IP 30** |
| Cabinet weight [kg] | **9** |
| Cabinet size [mm] | **500 x 500 x 72** |
| Cabinet resolution [px ] | **128 x 128** |
| Pixel density [px/m²] | **65.536** |
| Cabinet material | **Die-Cast Aluminum** |

## OPTICAL FACTS

| | |
|---|---|
| Viewing angle hor/ver [deg] | **140 / 140** |
| Refresh rate min. [Hz] | **1.920** |
| IC driver | **MBI 5024** |
| Scan Mode | **1 / 16** |
| LED type | **SMD 2020** |
| LED | **NationStar** |
| Processing [bit] | **16** |
| Video processing | **Novastar** |

## ACCESSORIES

| | |
|---|---|
| Cabinet case size (L x W x H) [cm] | **120 x 60 x 75** |
| Cabinet case weight (full) [kg] | **167** |
| Cabinets per case | **10** |
| m² per case | **2,50** |
| Hanging brackets | **Single / Double** |

## POWER SUPPLY

| | |
|---|---|
| Input voltage [V] | **110 - 240** |
| Wattage max./avg. [W / cabinet] | **140 / 70** |
| Wattage max./avg. [W / m²] | **560 / 280** |
| Vabinets per 16 A phase | **21** |

## ES STANDARDS

Black face LED (Indoor Series)

Professional Connex / Neutrik power cables

Neutrik sockets (powerCON $NAC_3$)

Neutrik data cables (etherCON)

Professional image processing / Video direction

High class connex power distributor

Certificates: CE (EMV), RoHs

## ENVIROMENT

| | |
|---|---|
| Operation Humidity [RH] | **10% - 60%** |
| Working temperature min. /max. [°C] | **-20 / +50** |

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# ES SCREEN R5

## Pixel Pitch 5,9 mm · Indoor

Metric-Rectangle-Design

Metrical cabinet format **[ 0,5 x 1 m ]**

Intelligent locking system and extra big cabinets for an extreme short setup time.

# FACTS

| | |
|---|---|
| Brightness [cd/m²] | **1.300** |
| Weight [kg/m²] | **25** |
| Resolution [pixel/m²] | **168 x 168** |
| Cabinets per m² | **2** |
| Wattage max./avg. [W/m²] | **480 / 240** |

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# ES SCREEN U2

Version UPADIII

## PHYSICAL FACTS

| | |
|---|---|
| Angle adjustment [deg] | **-5 / +10** |
| Pixel pitch [mm] | **2,604** |
| Brightness [cd/m²] | **1.000** |
| Protection level [front / back] | **IP 30** |
| Cabinet weight [kg] | **9** |
| Cabinet size [mm] | **500 x 500 x 90,6** |
| Cabinet resolution [px ] | **192 x 192** |
| Pixel density [px/m²] | **147.456** |
| Cabinet material | **Aluminium CNC finish** |

## OPTICAL FACTS

| | |
|---|---|
| Viewing angle hor/ver [deg] | **140 / 140** |
| Refresh rate min. [Hz] | **2.880** |
| IC driver | **MBI 5252** |
| LED type | **SMD 2121 Black Face / Non Glossy** |
| LED | **Kinglight** |
| Processing [bit] | **16** |
| Video processing | **Novastar 470** |

## ACCESSORIES

| | |
|---|---|
| Cabinet case size (L x W x H) [cm] | **132 x 64 x 85** |
| Cabinet case weight (full) [kg] | **120** |
| Cabinets per case | **8** |
| m² per case | **2** |
| Hanging brackets | **Single / Double** |

## POWER SUPPLY

| | |
|---|---|
| Input voltage [V] | **110 - 220** |
| Wattage max./avg. [W / cabinet] | **120 / 40** |
| Wattage max./avg. [W / m²] | **480 / 160** |
| Vabinets per 16 A phase | **25** |

## ES STANDARDS

Black face & Non glossy LED (Indoor Series)

Professional Image Processing / Video direction

Certificates: CE (EMV), RoHs

## ENVIROMENT

| | |
|---|---|
| Operation Humidity [RH] | **10% - 80%** |
| Working temperature min. /max. [°C] | **-10 / +45** |

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# ES SCREEN U2

Version UPADIII

## Pixel Pitch 2,6 mm · Indoor

High Performance.
Straight & Curved Design.

The ultimate variable image experience with high performance and combinable concave, convex and straight screen design.

· Straight 0°
· Convex -5°
· Concave +10°

# FACTS

| | |
|---|---|
| Brightness [cd/m²] | **1.000** |
| Weight [kg/m²] | **36** |
| Resolution [pixel/m²] | **384 x 384** |
| Cabinets per m² | **4** |
| Wattage max./avg. [W/m²] | **480 / 160** |

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# ES SCREEN U2

Version UPADIII

## PHYSICAL FACTS

| | |
|---|---|
| Angle adjustment [deg] | **-5 / +10** |
| Pixel pitch [mm] | **2,604** |
| Brightness [cd/m²] | **1.000** |
| Protection level [front / back] | **IP 30** |
| Cabinet weight [kg] | **9** |
| Cabinet size [mm] | **500 x 500 x 90,6** |
| Cabinet resolution [px ] | **192 x 192** |
| Pixel density [px/m²] | **147.456** |
| Cabinet material | **Aluminium CNC finish** |

## OPTICAL FACTS

| | |
|---|---|
| Viewing angle hor/ver [deg] | **140 / 140** |
| Refresh rate min. [Hz] | **2.880** |
| IC driver | **MBI 5252** |
| LED type | **SMD 2121 Black Face / Non Glossy** |
| LED | **Kinglight** |
| Processing [bit] | **16** |
| Video processing | **Novastar 470** |

## ACCESSORIES

| | |
|---|---|
| Cabinet case size (L x W x H) [cm] | **132 x 64 x 85** |
| Cabinet case weight (full) [kg] | **120** |
| Cabinets per case | **8** |
| m² per case | **2** |
| Hanging brackets | **Single / Double** |

## POWER SUPPLY

| | |
|---|---|
| Input voltage [V] | **110 - 220** |
| Wattage max./avg. [W / cabinet] | **120 / 40** |
| Wattage max./avg. [W / m²] | **480 / 160** |
| Vabinets per 16 A phase | **25** |

## ES STANDARDS

Black face & Non glossy LED (Indoor Series)

Professional Image Processing / Video direction

Certificates: CE (EMV), RoHs

## ENVIROMENT

| | |
|---|---|
| Operation Humidity [RH] | **10% - 80%** |
| Working temperature min. /max. [°C] | **-10 / +45** |

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# ES STAND MEDIA I & II

## Full HD · Indoor

Stele with LCD-Touch-Display

Floor stand with multi point infrared touch screen
& high contrast FHD display.
Plug & play media player with on-screen display
and local storage.

Direct content play and settings management.
Formats: MPG / MPEG / DAT / MP4 / AVI
/ VOB / TRP / TP / M2TS / TS
/ RM / RMVB / MKV / DIVX /
MOTIONJPEG / ASF / WMV / FLV
Content: 1.080 x 1.920 px videos / images [MEDIA STAND II: 1.920 x 1.080 px]

Input: USB / SD card
Add port: HDMI / VGA / AV
Solid frame of aluminum silver wire drawing &
5 mm tempered glass.
Remote and timer function included.

**Optional:** Micro PC / WiFi / Digital signage /
Media Stand II (Landscape HD Slim Sharp Edges)

## MEDIASTAND I:

# FACTS

| | |
|---|---|
| Brightness [cd/m²] | **500 (MEDIA STAND II: 500)** |
| Weight [kg] | **75 (MEDIA STAND II: 82)** |
| Screen size [mm] | **1.210 x 680 (MEDIA STAND II: 1.209 x 680)** |
| Resolution [px] | **1.080 x 1920 (MEDIA STAND II: 1.920 x 1.080)** |

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# ES STAND LED

## Pixel Pitch 2,5 mm · Indoor

Ready-made & Portable LED Screen

Portable POS solution with integrated signage player. Ultraslim and lightweight.

**Various installation solutions:** Self-standing / Fold-out stand / Wall-mounting / Hanging

**Plug & play** media player with on-screen display and local storage.

# FACTS

| | |
|---|---|
| Brightness [cd/m²] | **1.000** |
| Weight [kg/m²] | **35** |
| Total size [mm] | **602 x 1970 x 40** |
| Display size [mm] | **576 x 1944** |
| Resolution [px] | **224 x 756** |

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# ES SCREEN TRAILER

## Pixel Pitch 10 mm · Outdoor

16:9 LED Videotrailer

Mobiler LED-Screen [ **13,82 m²** ],
einsatzbereit in 30 Minuten.

Hydraulischer Teleskopträger
mit automatischer

**Screen-Drehung um 310°**

# FACTS

| | |
|---|---|
| Trailer Size L x W x H [m] | **5,60 x 2,10 x 2,25** |
| SCreen Size L X H [m] | **4,80 x 2,88** |
| Total height [m] | **6,10** |
| Total weight [kg] | **3.500** |

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# ES SCREEN E10

Trailer Version

## PHYSICAL FACTS

| | |
|---|---|
| Pixel pitch [mm] | **10** |
| Brightness [cd/m²] | **7.500** |
| Protection level [front / back] | **IP65 / IP 54** |
| Cabinet weight [kg] | **65** |
| Cabinet size [mm] | **960 x 960 x 150** |
| Cabinet resolution [px ] | **96 x 96** |
| Pixel density [px/m²] | **10.000** |
| Cabinet material | **Steel / Aluminium** |

## OPTICAL FACTS

| | |
|---|---|
| Viewing angle hor/ver [deg] | **120 / 50** |
| Refresh rate min. [Hz] | **600** |
| IC driver | **MBI 5024** |
| LED type | **1 / 4** |
| LED | **DIP 346** |
| Processing [bit] | **NationStar** |
| Video processing | **14** |
| | **Novastar** |

## ES STANDARDS

DIP 346 high brightness LEDs (Outdoor)

Professional Titanex / Connex power cables

Neutrik connectors (powerCON NAC3)

Neutrik data cables (etherCON)

Professional Image Processing / Video direction

High class Connex power distributor

Certificates: CE (EMV), RoHs

## POWER SUPPLY

| | |
|---|---|
| Input voltage [V] | **110 - 240** |
| Wattage max./avg. [W / cabinet] | **950 / 380** |
| Wattage max./avg. [W / m²] | **990 / 393** |
| Vabinets per 16 A phase | **3** |

## ENVIROMENT

| | |
|---|---|
| Operation Humidity [RH] | **10% - 90%** |
| Working temperature min. /max. [°C] | **-30 / +40** |

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# 42“ PHILIPS MULTI-TOUCH LCD

## Philips Signage Solutions
## Multi-Touch Display

Edge LED Backlight
Full HD
Optical Imaging, 5 Touchpoints

**Installation options:**
· Wall-mounting & self-standing
(with Audipack solution)

# FACTS

| | |
|---|---|
| Resolution [px] | **1.920 x 1.080p** |
| Size Total [mm] | **976 x 570 x 80** |
| Brightness [cd/m²] | **450** |
| Weight [kg] | **24,3** |

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# 55“ NEC PUBLIC LCD

## NEC MultiSync® X551S

Edge LED Backlight
Full HD

**Installation options:**
· Wall-mounting & self-standing
(with Audipack solution)
· Horizontal & vertical installation

# FACTS

| | |
|---|---|
| Resolution [px] | **1.920 x 1.080** |
| Size Total [mm] | **1.254 x 726 x 43** |
| Brightness [cd/m²] | **500** |
| Weight [kg] | **24** |

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# 65“ PANASONIC LCD

## Panasonic TH 65LFE8E

Edge LED Backlight
Full HD

**Installation options:**
· Wall-mounting & self-standing
(with Audipack solution)
· Horizontal & vertical installation

# FACTS

| | |
|---|---|
| Resolution [px] | **1.920 x 1.080** |
| Size Total [mm] | **1.451 x 829 x 62** |
| Brightness [cd/m²] | **350** |
| Weight [kg] | **32** |

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# 75“ SAMSUNG SIGNAGE LCD

## Samsung SMART Signage

Edge LED Backlight
Full HD

**Installation options:**
· Wall-mounting & self-standing
(with Audipack solution)
· Horizontal & vertical installation

# FACTS

| | |
|---|---|
| Resolution [px] | **1.920 x 1.080** |
| Size Total [mm] | **1.467 x 848 x 56** |
| Brightness [cd/m²] | **450** |
| Weight [kg] | **35** |

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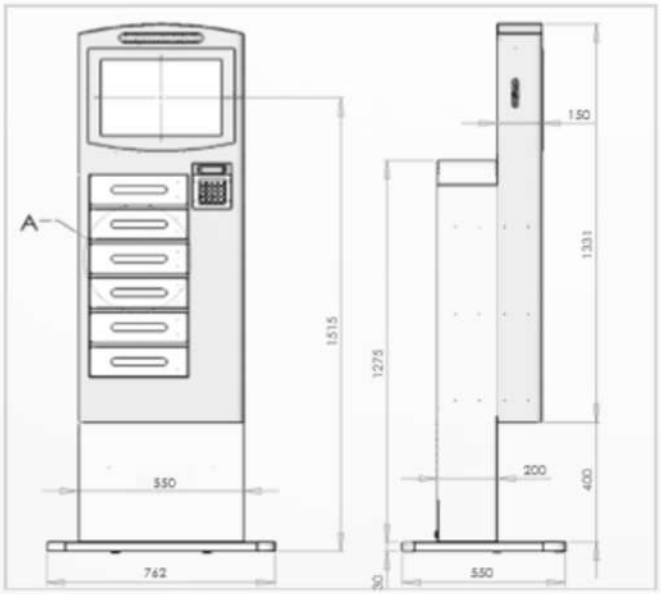
# ES CHARGE DESIGN I

## Mobile Phone-Charging-Station

Kundenservice und digitales Marketing perfekt kombiniert.

· Integrierte Aufladestationen  für alle gängigen Smartphones & Tablets
· 19 Zoll LC-Display Multitouch Bedienung LED beleuchtete Werbefläche
· 6 elektronische Schließfächer  mit Passwort oder Kartenaktivierung. Indikative LED-Farbanzeige.

OPTIONAL:
· Digital Signage Systemintegration
· Bezahlsystem
· WiFi-Hotspot
· OEM-Design



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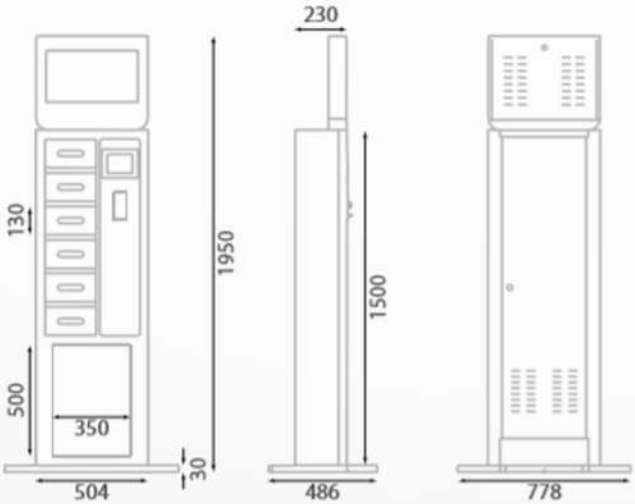
# ES CHARGE DESIGN II

## Mobile Phone-Charging-Station

Kundenservice und digitales Marketing perfekt kombiniert.

· Integrierte Aufladestationen  für alle gängigen Smartphones & Tablets
· 19 Zoll LC-Display Multitouch Bedienung LED beleuchtete Werbefläche
· 6 elektronische Schließfächer  mit Passwort oder Kartenaktivierung. Indikative LED-Farbanzeige.

OPTIONAL:
· Digital Signage Systemintegration
· Bezahlsystem
· WiFi-Hotspot
· OEM-Design

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# VIDEO PROCESSING

Analog Way Seamless Switcher & Mixer

## ANALOG WAY SEAMLESS SWITCHER & MIXER

| | | |
|---|---|---|
| Ascender | 48 - 4K - PL | [LiveCore] |
| NeXtage | 16 - 4K | [LiveCore] |
| VIO | 4K | [Midra] |
| Eikos² | | [Midra] |
| Pulse² | 3G | [Midra] |

## NOVASTAR LED CONTROLLER & SCALER

NovaPro HD

VX4S

MCTRL660

MCTRL4K

# CONTACT

EYE SYSTEMS
International GmbH
Zeughausstr. 44
D-20459 Hamburg
Deutschland

Tel. 0049 – (0) 40 593 555 321
Fax. 0049 – (0) 40 593 555 311
email info@eye-systems.de

EYE SYSTEMS
International GmbH
Carrer De Na Popia 6 Baj C
07159 Sant Elm
Spanien

Tel. 0049 – (0) 40 593 555 321
Fax. 0049 – (0) 40 593 555 311
email info@eye-systems.de

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EYE SYSTEMS Int. GmbH · Zeughausstraße 44 · D-20459 Hamburg · info@eye-systems.de