MÜNCHNER KAMMERSPIELE

Tech Rider

KAMMER 2
(Neues Haus)

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Stage

**Auditorium**

- Different setups for theatre and concert performances (see separate plans)
- Variable audience stands with 240 seats (ascent +50 cm)
- Platform system "Theater-Baukasten-Dresden" with 2m x 1m aluminium podiums
- Black benches

**Measurements**

<p>| | |</p>
<table>
<thead>
<tr>
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</thead>
<tbody>
<tr>
<td>stage</td>
<td>ca. 18m x 24m</td>
</tr>
<tr>
<td>gallery</td>
<td>ca. 14m x 4m</td>
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<tr>
<td>height</td>
<td>ca. 8m, in front of elevator ca. 4,60m</td>
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<tr>
<td>anderstage</td>
<td>- 2,80 m</td>
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<tr>
<td>gate</td>
<td>ca. 4 m x 5 m</td>
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Fly system & understage

General information
- Lighting galleries on the sides of the stage
- There is a movable bridge between the galleries
- The stage is a flexible stage (black box) so there is no offstage storageroom by default.
- Black curtains available
- Fly bar diameter: 50 mm
- Fly bars can be disconnected between their ropes.
- Mounting possibilities on the walls (steel supports) with M 12 threads
- Gallery with removable railing, black stage floor
- Delivery of decorations via the depot of the Münchner Kammerspiele.

Fly system

Stage
- Fly bars 1 - 19
  automated fly system
  length: 11.72 m (fully extended 12.92 m)
  range: +0.26 m to 8.13 m
  max. load: 300 kp
  speed: 0 - 0.3 m/s
- Panoramaf fly bars 1 – 4
  (left and right, next to gallery)
  automated fly system
  length: 3.20 m (with 1m extension each)
  range: +0.26 m to 8 m
  max. load: 250 kp
  speed: 0 - 0.25 m/s

Backstage
- Fly bars 20 – 25
  automated fly system
  length: 11.72 m
  range: +0.30 m to 4.65 m
  max. load: 300 kp
  speed: 0 - 0.3 m/s

Understage
- Black stage floor
  Removable floor elements
  0.5 m x 2.2 m x 8.5 cm
  max. load: 500 kg/m²
  max. point load: 350 kg/m²
- Deconstructable steel construction
- Waterconnection on understage
Lighting

Lighting desk

1 Eos Ti, 1 Eos GIO, 4k, Protocols: sACN, net3, artnet
1 Dimmerroom with a total of:
42 dimmers 5kW, 218 dimmers 2.5kW and 24 non dimmable lines for HMI -Typ Transtechnik
12 2kW sinewave dimmers by Swisson
DMX and Ethernet connection
DMX-network configuration and DMX extention is possible via LSS Masterport
DMX-feed in is possible via ETC Net3 4port Gateway
4 DMX universes via Transtechnik E-Gate
Worklight control via Profibus and LSS Digiplus Touchpanel

For inventory of instruments please contact the lighting department.
Sound

Mobile speakers
KS  8 x CPD 08 active systems
    4 x CPD 10 active systems
    6 x CPD 12 active systems
    4 x CPD SUB-2, active subwoofer
    2 x CPD W-1, active subwoofer
    2 x CPD W-2, active subwoofer
    CL 106 with controlleramp CA4-U, 4 channels
    CPA 04, coax active speaker

Mixing console
Salzbrenner C.A.S.-Mix 64 digital DSP supported 64x64 matrix mixing console
connected to Nexus via Madi in/out
Size: 1,25m x 1,02m x 0,85m (B x H x T)
FOH Position depends on audience stand setup

Small mobile WLAN Remote with laptop, for controlling every parameter of the main console

Playout
THS (software-playout; 4x Stereo and 2x 8-track)
Ableton Live 8 and 9 with up to 16 channels at the same time via MacPro with RME RayDat 24ch.
ADAT
If requested:
CD
MD
DAT
Effects (FX) and Mikrophones (see Shauspielhaus)

Wireless/Mikroports
6 channel Sennheiser EM 3552 receiver with
6 Belt Packs SK 50 UHF with DPA 4061 BM/FM capsules
2 Sennheiser SKM 5000 UHF handheld sender, 6 SKM 5200 with Neumann capsules
2 channel „In Ear“- monitoring, Sennheiser EW 300 G2

Cabling
Nexus fiber optics with 2 mobile Base-Devices, connectable to various patchpanels on stage.
Microphone, line, intercom, 100 Volt, speakon, optical fibre and power outlets on various
patchpanels on stage.
(seperate powerline for audio, isolated transformator)
**Video**

**Projection**
- 1x Panasonic PT-RZ970, 10.000 ANSI Lumens, Silent Case, fixed installation in FOH
- 4x Panasonic PT-DW6300, 6.000 ANSI Lumens

Various lenses available.
- AV Stumpfl Monoblox 5,0x3,0 - Opera white, black frame
- AV Stumpfl Monoblox 2,8x1,7m - Opera white or Optitrans
- AV Stumpfl Monoblox 3,8x2,2m - Opera white or Optitrans
- AV Stumpfl mobile screen 6x4/5x3,8/4x3m - Opera white, Optitrans (only 4x3m)
- Other projection screens in various sizes and qualities.

**Connections**
- HDMI/DVI via Lightware HDBaseT Extenders
- CV/partly SDI over BNC Patchbays

**Playout**
- 2x Coolux Pandoras Box Dual Server Pro V6, SSD, Dual HD-SDI Inputs
- Laptop with Manager Software and Widget Designer Pro* (w/ current Rev. each)
- Macbook Pro (2014) Intel i7, OSX, 16GB RAM, SSD, BMD Mini Recorder Input Card
- Qlab 4, Modul8, Isadora 2, MadMapper

various analog matrices/distributors
digital and analog Converters
consumer/professional BD-, DVD- and VHS-Players

*Your equipment can be controlled this setup in most cases.
Stage management system

Intercom
Motorola GP 340
2-way wired intercom RTS
mobile and fixed intercom panels with 13 possible destinations

Cuelights
Cuelightmatrix with 32 channels, programmable for performances

House announcement system
Separate announcements for technical staff
All house speakers can give out the live onstage sound.

Video
Colour-, B/W-zoom, as well as infrared CCTV - cameras available on all stages.
Various 14”-B/W and colour monitors available.