

# 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**

stage	ca. 18m x 24m
gallery	ca. 14m x 4m
height	ca. 8m, in front of elevator ca. 4,60m
anderstage	- 2,80 m
gate	ca. 4 m x 5 m

## 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

- Panoramafly 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/m<sup>2</sup>  
 max. point load: 350 kg/m<sup>2</sup>

- 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 Schauspielhaus)

### 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 intercompanels 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.