

# EMES

## PINK tv active

### 2 way active



Mastering

Editing

Recording

Broadcast

Video Studio

Project Studio



[www.emes.de](http://www.emes.de)

# PINK tv active

## Applications

**VIDEO  
BROADCAST  
RECORDING  
PROJECT STUDIO**

## Arrangement/Configurations

**STEREO  
SURROUND  
ADVANCED SURROUND™  
MODUMO™**

## Features

- 2 identical 80W amplifier**
  - ◆ eliminates time related distortion
- moulded wave guide baffel**
  - ◆ Lower X-Over FC
  - ◆ Exponential coupling (Tweeter/Air)
    - ◆ Eliminates reflection,
    - ◆ Minimizes distortion
    - ◆ Linearize the phase response
    - ◆ Wide dispersion pattern
- Digital "quick delivery" power supply**
  - ◆ Cycles 2000 times faster
  - ◆ Hum cancelling
  - ◆ Tight and accurate Low End
- HDS Driver**
  - ◆ Fibreglas membrane
  - ◆ Vented Coil System
    - ◆ Extrem low compression
    - ◆ Superior transient response
    - ◆ Perfect coil cooling
- Level control**
  - ◆ Sensitivity adjustable
  - ◆ -40 to +10dB
- Low-end control**
  - ◆ Corrects Low end from -6 to +4 dB
  - ◆ Room compensation
  - ◆ Corner/Wall placement Eq
- High-end control**
  - ◆ Corrects High end from -4 to +4 dB
  - ◆ Room compensation
  - ◆ Adjustable (Listening taste)

## Diagrams/Specs

Anywhere where a small true sounding monitor is needed the PINK tv active is just perfect.

Designed for the audio/video industry, the PINK tv active meets all the demands for project studios, surround sound and high quality multimedia applications. It's compact 2 way package (170x290x200mm), combined with the shielded magnetic field and the excellent stereo imaging, makes them suitable for any set up required, even at very close listening distances.

As always at EMES, matched high quality drivers are chosen, because to us they are the most critical part in a high quality Studio Monitor System!

The Low range (68 - 1700Hz) is reproduced by a 14cm Fibreglass Membrane HDS-driver. This extreme low compression driver is constructed in a way so that the air, normally sealed in the Air gap of the magnet system, now can circulate. Finally the Air flow is nearly non resistant to the coil movement, which results in a very accurate membrane excursion. The Impulse response and Low End precision is remarkable for a Monitor this size.

The high frequency section is molded into the baffel as a radial horn, coupled with a 25mm textile neodymium tweeter! The radial horn element is constructed in a way that minimizes distortion (see TDH diagram) and allows us to use it down to 1700 Hz. The mechanically aligned Woofer and Tweeter Coil position delivers a very homogenous dispersion pattern and the High frequencies are nicely distributed into the room!

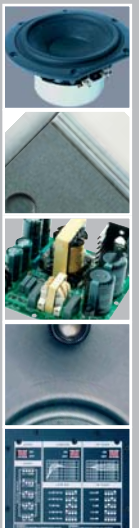
The active version has two identical build in 80W rms amplifiers which deliver a powerful and optimised output. We at EMES always use identical amplifiers, to have the lowest time related distortion possible. Different designs or just different wattage cause these time related distortion. This is not what we are aiming for.

One of the many design criterias to the EMES audio performance is the use of our own developed digital "quick delivery" powersupply, which works 2000 times faster as a regular one does! This gives a lot have constant energy load to the Amplifier. So a double hit on a Bass drum played hard is still a double hit Bass drum. It pushes all the way through!

To adjust the monitors to the room acoustics and your personal listening taste, we have implemented dip-switches for input level, bass- and high frequency adjustments. All of them have Dip-Switches to allow precise and identical settings for all related monitors within the playback system (Stereo/5.1/Advanced Surround™).

We ship all our monitors as matched pairs with less than ±0,5 dB difference!

Due to our MODUMO™ concept the performance of the PINKs can be easily expanded!



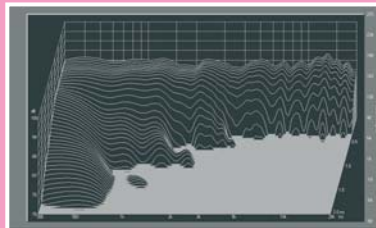
**MODUMO and Advanced Surround** Trademarks owned by EMES



Frequency- and Phase response



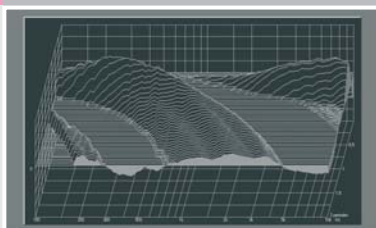
Acoustic THD (Total/H2/H3)



Waterfall



Step response



3D Impulse Response / half cycle

## SYSTEM

System design	2 way bass reflex
Construction / Speaker configuration	one plus one
Lower cut off frequency	68 Hz (-3dB)
Upper cut off frequency	20 kHz (-2dB)
Frequency response (free field)	70-20.000 Hz (±3 dB)
Maximum output, sine wave (0,1-2 kHz)	108 dB
Maximum output, long term, (RMS)	105 dB
Maximum output, both speakers driven	114 dB
THD at 95dB SPL <100Hz	1,10%
THD at 95dB SPL >100Hz	0,50%
Bass-driver	1 x 14cm , polypropylen
HF-driver	25mm textile dome, Ferro fluid
Shielded Version	yes
Weight	5,4 Kg
Dimensions (width/height/depth)	170 x 290 x 200 mm

## ELECTRONIC

Type of input connector	XLR, female
Input impedance	10 kOhm
Input level adjustment	16 steps from 0,45 - 4,5V
Lowpass filter	45 Hz / 18dB
Highpass filter	25 kHz / 6 dB
X-over frequency	1.700 Hz (12dB/12dB)
HF-driver level control	16 steps, -4dB - +4 dB
Low frequency control	16 steps, -6dB - +8 dB
RMS output Bass-amp	80 W
RMS output HF-amp	80 W
Distortion at maximum acoustic output	0,10%
Signal to noise ratio, at full output	106 dB
Main voltage	115 / 230 V ±20%
Type of Power supply	Digital
Power consumption (full output)	120 W, 10 W stand by

## Main Purpose

Listening distances	60 - 250 cm
Near field	x
Mid field	x with AMBER

# EMES

distributed by:

