

# BLACK tv HR active data sheet 2004

## HIGH LIGHTS

**2 identical 100W amplifier**  
eliminates time related distortion

**digital "quick delivery" power supply**  
cycles 2000 times faster  
hum canceling  
Tight and accurate Low End

**COAX Driver**  
17cm Polypropylen membrane  
25mm Textile Neodymium dome  
Superior transient response  
ZERO Phase difference  
Magnetically shielded (tv)

**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)

## SPECS

### SYSTEM

System design	2 way bass reflex
Construction / Speaker configuration	coaxial
Lower cut off frequency	40 Hz (-3dB)
Upper cut off frequency	21 kHz (-3dB)
Frequency response (free field)	42-20.000 Hz ( $\pm 2,5$ dB)
Maximum output, sine wave (0,1-2 kHz)	109 dB
Maximum output, long term, (RMS)	106 dB
Maximum output, both speakers driven	115 dB
THD at 95dB SPL <100Hz	0,90%
THD at 95dB SPL >100Hz	0,40%
Bass-driver	1 x 17cm , polypropylen
HF-driver	25mm textile dome, neodyme
Shielded Version	yes
Weight	7,8 Kg
Dimensions (width/height/depth)	210 x 380 x 250 mm

### ELECTRONIC

Type of input connector	XLR, female
Input impedance	10 kOhm
Input level adjustment	16 steps from 0,45 - 4,5V
Lowpass filter	30 Hz / 18dB
Highpass filter	25 kHz / 6 dB
X-over frequency	1.500 Hz (18dB/12dB)
HF-driver level control	16 steps, -4dB - +4 dB
Low frequency control	16 steps, -6dB - +8 dB
RMS output Bass-amp	120 W
RMS output HF-amp	120 W
Distortion at maximum acoustic output	0,10%
Signal to noise ratio, at full output	106 dB
Main voltage	115 / 230 V $\pm 20\%$
Type of Power supply	digital
Power consumption (full output)	150 W, 10 W stand by

### Main Purpose

Listening distances	40 - 300 cm
Near field	x
Mid field	x with AMBER HR

