

# **Technical Specifications**

Information valid for: BeoVision 7 - 40 MK III

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## Market, intro year and last sold

Market	Type number	Intro year	Last sold
Austria, Belgium, Croatia, Denmark, Faroe Islands, Finland, Germany, Greece, Greenland, Holland, Iceland, Israel, Italy, Kuwait, Liechtenstein, Luxembourg, Norway, Oman, Portugal, Slovenia, Spain, Sweden, Switzerland, Turkey, United Arab Emirates	9376		
Indonesia, Malaysia, Singapore, Thailand	9377		
Ireland, South Africa, United Kingdom	9379		
Bahrain, Egypt, France, Lebanon, Qatar, Saudi Arabia	9383		
Australia, New Zealand	9380		
Bulgaria, Czech Repub., Hungary, Poland, Romania, Serbia, Slovak Rep.	9381		
Azerbaijan, Botswana, Estonia, Georgia, Ghana, India, Kazakhstan, Latvia, Lithuania, Morocco, Nigeria, Pakistan, Russia, Ukraine, Uzbekistan	9382		
Hong Kong	9378		
China	9384		
Canada, USA	9370	Juli.2007	
Brazil, Dominican Republic, Mexico, Panama, St. Martin	9371		
Taiwan	9372		
Argentina, Chile, Peru, Uruguay	9373		
Japan	9374	Juli.2007	
Korea	9375		

## Dimensions

Dimensions W x H x D	107,5 x 68 x 18 cm / 42.3" x 26.8" x 7"
Weight	45 kg. / 99 Lb

For more information about dimensions, please see "Installation" or click here: [Dimensions](#) or [Dimensions - Inches](#) .

## Specifications

<b>CTV</b>	
Cabinet finish	Black, Blue, Dark Grey, Red, Silver
Mains voltage range	100 - 127 V +10 / -15% 50-60Hz 200 - 240 V +10 / -15% 50-60 Hz
Power consumption	Typical: 140W / Standby 1,0W
Diagonal picture size	40" 16:9 TFT LCD
Panel coating	Glare
Aspect ratio	16:9

Contrast ratio	typ. 1200:1
Resolution	1920 x 1080 (Full HD)
Luminance of white (center of screen)	typ. 500 cd/m2 (typical)
Response time	typ. 8 msec.
Viewing angle	typ. +/-89 degrees both vertical and horizontal
Contrast screen	Anti-reflex coated
Formats	Format 1: 16:9 Panorama - 15:9 Panorama - 4:3 Format 2: Letterbox + Soft Scroll. Format 3: 16:9 Automatic format optimization via "Black Bar Detection" 16:9 detection on all Scart connectors. Support of WSS (Wide Screen Signalling pulses) from broadcaster.
VisionClear	Adaptive black, Adaptive back light, Blue Stretch, Comb filter Digital Adaptive Dynamic Luminance Peaking Digital Adaptive Noise Reduction Digital Color Transient Improvement Film Mode, Vertical Peaking, Automatic Picture Control Source Quality Measurements, Dynamic Contrast
Teletext	Level 2.5 teletext, approx. 2048 pages 9 memory pages per programme
Closed Captioning	Only US Market
Tuning	USA/Korea: Cable TV 1-125, Off Air TV 2-69 Japan: Channel 1-62 and Channel C13-C38 EU/Other: 45 - 860MHz: VHF, S-band, Hyper-band, UHF 99 programmes, autotune, programme move and automatic naming
Stereo decoders	EU/other: A2+ Nicam Stereo US: BTSC Stereo, SAP Japan: EIA-J Stereo Korea: A2 Stereo Taiwan: BTSC Stereo, SAP
Menu languages	English, Danish, Dutch, Spanish, Swedish, German, French, Italian
PIN-code protection	Yes
<b>DVD:</b>	Build in
Playback the following	DVD-Video, Video CD, CD-DA, CD-R, CD-RW, DVD -/+, DVD -/+ RW, CD-MP3, JPEG, DivX, Multistandard PAL/NTSC
Signal-to-noise-ratio	Typical 100 dB, A weighted, in Audio mode
DVD region	1, 2, 3, 4, 5, 6
<b>Loudspeakers:</b>	
BeoLab 7-2	For technical details see Techn.Spec. for BeoLab 7-2
BeoLab 7-4	For technical details see Techn.Spec. for BeoLab 7-4
<b>System modulator:</b>	
	System modulator output to link room (BeoLink Video Distribution)
Frequency range	471.71- 855.25 MHz (in 1MHz step) Dual side band
Audio	System G: 5.5MHz (System can be set in Service Menu) System I: 6MHz (System can be set in Service Menu) System M: 4.5MHz (System can be set in Service Menu)
Connection	1x 75 ohm aerial male
<b>Dolby® Digital Decoder:</b>	
Decoding capabilities	Dolby Digital 5.1/6.1 EX, DTS 5.1. DTS ES 6.1, Dolby

	7.1 EX, Dolby Pro-Logic II/IIx, DTS Neo:6
Calibration	
Sound modes (Speaker 1 - 5)	Mode 1: Stereo centre speakers (Subwoofer muted) Mode 2: Stereo in L/R speakers, Subwoofer is active Mode 3: Dolby® 3 stereo Mode 4: Dual stereo, stereo in L/R front & rear speakers, Subwoofer is active Mode 5: Dolby® digital, Dolby® Pro-logic, DTS, Dolby 7.1
Connections : - Digital audio input - External Beolab speakers	5 x SPDIF(Coax), 4 x HDMI 7 x Powerlink
<b>IR CONTROL OUTPUTS (PUC):</b>	
Supported boxes	See list at Bang & Olufsen Retail System (via internet).
Connection	7 x Mini jack

## Connections

TV Input	Analogue tuner EU/Other: 1 x 75 ohms aerial female Analogue tuner US: 1 X F-Con female DVB-T: 1 x 75 ohms aerial female DVB-S: 1 X F-Con female ATSC: 1 X F-Con female
AV 1	EU, Other : 1 x 21-pin scart socket, 1 x RCA phono (SPDIF), 1 x mini jack (IR-C output)  US, JP, Kor, TW: 7 x RCA phono (Video in/out, L R in/out, SPDIF) , 1 x mini jack (IR-C output)
AV 2	EU, Other: 1 x 21-pin scart socket, 4 x RCA phono (YPbPr, SPDIF), 1 x mini jack (IR-C output)  US, JP, Kor: 10 x RCA phono (Video in/out, YPbPr, L R in/out, SPDIF) , 1 x mini jack (IR-C output)
AV 3	EU, Other: 1 x 21-pin scart socket, 4 x RCA phono (YPbPr, SPDIF), 1 x mini jack (IR-C output)  US, JP, Kor: 7 x RCA phono (Video in, YPbPr, L R in, SPDIF) , 1 x mini jack (IR-C output)
AV 4	Internal DVD
AV 5	4 x RCA phono (Video in, L R in, SPDIF) , 1 x mini jack (IR-C output),
AV 6 (Camera)	4 x RCA phono (Video in, L R in, SPDIF) , 1 x mini jack (IR-C output), 1 x S-Video
HDMI	4 x HDMI plug
Cinema Control	DSUB9 Male
IR 1-2 (IR out)	Mini Jack Stereo
Headphone socket	Mini Jack Stereo
Dolby® Digital - External BeoLab speakers - Digital audio input	7 x Powerlink 6 x RCA Phono
PC input	1 x DSUB15
System Modulator	EU/Other: 1 x 75 ohms aerial male US: 1 X F-Con female
BeoLink®	1 x Master Link

Motorised stand operation	1 x 6 pin DIN
Projector output	1 x DVI-D Female
External IR receiver	Mini Jack mono

## Optional features/accessories

<b>Product name:</b>	<b>DVB T/S Module</b>
Type no.	EU 4383 UK 4384
<b>Terrestrial</b>	
Plug	IEC 169-2 coax connector 75 ohm
Frequency range	174 MHz to 862 MHz (Band 3, 4, 5)
IF Bandwidth	7 & 8 MHz
Control for active antenna	5 V / 50 mA Power supply can be activated via setup menu
COFDM (Orthogonal frequency division modulation) Spectrum	2K & 8K, hierachical and non-hierachical
Modulation	QPSK, 16QAM, 64QAM
Code rate	1/2, 2/3, 3/4, 5/6, 7/8
Guard interval	1/32, 1/16, 1/8, 1/4
Symbol rate	5 - 45 Msymb/sec
Compliance	Nordig Unified and IEC62216-1
<b>Satellite</b>	
Plug	ICE 169-24 F-femail connector 75 ohm
Frequency range	950 MHz to 2150 MHz
IF Bandwidth	45 MHz
ODU control	DiSEqC level 1.1(digital satellite equipment control)
	DC For switching between H/V polarizations 13.5 Volt +/- 5% max 450 mA 18.5 Volt +/- 5% max 450 mA Tone Control for low or high band selection 22KHz / 0.65Vpp +/- 0.25V duty cycle 50% +/- 10%
Modulation	QPSK
Symbol rate	5 - 45 Msymb/sec
Decoder	
	Video MPEG2, MP@ML
	Audio MPEG1, 2-channel audio decoder, layer 1& 2 MPEG2, 2-channel audio decoder, layer 2 AC3 to S/Pdif loop-through

<b>Product name:</b>	<b>ATSC (USA, Korea)</b>
<b>Terrestrial</b>	
Type no.	Standard
Tuning range	54 MHz to 806 MHz
IF Bandwidth	6 MHz
Modulation	8VSB
Symbol rate	19,4 Mbit/sec
Compliance	ATSC A/53 rev.c, A/74
<b>Cable</b>	
Tuning range	54 MHz to 864 MHz

IF Bandwidth	6 MHz
Modulation	64 QAM & 256 QAM
Symbol rate	5057 Msps (Mode1) or 5361Msps (Mode2)
Decoder	
	Video MPEG2, MP@ML (480p), MP@HL (720p, 1080i) Video formats all 18 according to ATSC A54a
	Audio (ATSC A52a) AC3 stereo downmix Multichannel mode AC3 to S/Pdif loop-through

<b>Product name:</b>	<b>RF link amplifier</b>
Type no.	4052
Dimensions W x H x D	14,6 x 8,6 x 7,2 cm
Weight	0.72 kg
Power consumption (typical)	4 watts
Working Temperature Range	0 to 40C
Frequency range	40 - 860 MHz
Gain (from aerial IN to TAP1-4)	min. 7 dB +/-1.5 dB
Gain (from Modulator IN to TAP1-4)	min. 4 dB +/-1.5 dB
Aerial Attenuator *1)	0/5/10 db
Modulator Attenuator *2)	0/3/6 db
Recommended minimum RF input (Aerial IN)	60 dB/uV
Maximum RF input (Aerial IN)	86 dB/uV
Maximum output (IMA-60dB).	100 dB/uV (40 - 860 MHz)
*1) Attenuate if aerial IN is too high and interference is seen on the link frequency in the link room.	
*2) Attenuate if the aerial/cable network signal is low and the modulator signal therefore causes interference in the TV picture.	

<b>Product name:</b>	<b>RF link amplifier with return path</b>
Type no.	4053
Dimensions W x H x D	14,6 x 8,6 x 7,2 cm
Weight	0.72 kg
Power consumption (typical)	4 watts
Working Temperature Range	0 to 40C
Frequency range	87 - 860 MHz <b>Note!</b> Frequencies in Band I will not be looped through (used for return path)
Gain (from aerial IN to TAP1-4)	min. 7 dB +/-1.5 dB
Gain (from Modulator IN to TAP1-4)	min. 4 dB +/-1.5 dB
Aerial Attenuator *1)	0/5/10 db
Modulator Attenuator *2)	0/3/6 db
Recommended minimum RF input (Aerial IN)	60 dB/uV
Maximum RF input (Aerial IN)	86 dB/uV
Maximum output (IMA-60dB).	100 dB/uV (40 - 860 MHz)
Return path	Return path on TAP 1-4 (return communication to e.g. Cable Network company)
Frequency range for return path	5 - 65 MHz
*1) Attenuate if aerial IN is too high and interference is seen on the link frequency in the link room.	
*2) Attenuate if the aerial/cable network signal is low and the modulator signal therefore causes interference in the TV picture.	

## Stands specifications

	Types	Turning angle	Tilt angle (measured with vertical pos. as reference)	Weight	Dimensions on stand
Motorised table stand	4057	+/-35 degrees +/- 2 degrees	+ 9 degrees - 6 degrees	26 kg	Height: 710 mm Foot plate diametre: 500 mm
Motorised floor stand	4056 and 4041	+/-35 degrees +/- 2 degrees	+ 9 degrees - 6 degrees	30 kg	Height: 991 mm Foot plate diametre: 500 mm
Motorised Wall Bracket	4395 and 4396	+/- 20 degrees +/- 1 degree	+ 9 degrees - 6 degrees	9.7 kg	557 x 180 x 225 mm (height x width x depth)

## Market specifications

Market	Type no.	Country	DVD Zone	Active CTV system	Basic CTV system *)
NEU	9376	Austria, Belgium, Croatia, Denmark, Faroe Islands, Finland, Germany, Greece, Greenland, Holland, Iceland, Israel, Italy, Kuwait, Liechtenstein, Luxembourg, Norway, Oman, Portugal, Slovenia, Spain, Sweden, Switzerland, Turkey, United Arab Emirates	2	B/G	B/G/L/L'/I/D/K
	9377	Indonesia, Malaysia, Singapore, Thailand	3		
GB	9379	Ireland, South Africa, United Kingdom	2	I	
FGB	9383	Bahrain, Egypt, France, Lebanon, Qatar, Saudi Arabia		B/G/L/L'/I	
AUS	9380	Australia, New Zealand	4	B/G	
EEU	9381	Bulgaria, Czech Repub., Hungary, Poland, Romania, Serbia, Slovak Rep.	2	B/G/D/K	
	9382	Azerbaijan, Botswana, Estonia, Georgia, Ghana, India, Kazakhstan, Latvia, Lithuania, Morocco, Nigeria, Pakistan, Russia, Ukraine, Uzbekistan	5		
HK	9378	Hong Kong	3	D/K/I	
CN	9384	China	6		
US	9370	Canada, USA	1	M	
	9371	Brazil, Dominican Republic, Mexico, Panama, St. Martin	4		
	9372	Taiwan	3		
LAT	9373	Argentina, Chile, Peru, Uruguay	4		
J	9374	Japan	2	M C39-C63=Off	Japan-M
KOR	9375	Korea	3	M	US-M