

VISION

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For a good reason. Grundig.

The satisfaction of our customers is paramount when developing and designing all our products. This is why Grundig not only provides innovative technology and attractive modern designs, but above all user-friendly operating concepts. This allows you to enjoy our LCD TVs with breathtakingly sharp pictures, natural colours and optimum contrast values. But you also experience design lines which focus on ideals such as classic beauty and timeless elegance and which have therefore outlived rapidly changing trends. And in particular, our LCD TVs are convenient and very easy to use. Due to the digital interfaces, the connection from periphery devices, such as a DVD player or a DVB receiver works just as easily. As you can see, there is more than one good reason to choose Grundig.



The Art of Television.

Design LCD TV with LED backlighting technology.

Fine Arts is back as the expression of new exclusivity. For this LCD TV combines high end technology with an extravagant design. The LED backlighting technology heralds the new generation of high-end television technology: Television pictures that are more natural than ever before, with brilliant colour reproduction, maximum picture sharpness and an unusually high contrast factor. In addition, the new LED technology allows for an extremely slim housing depth of just 3.7 cm. And the elegant surface in brushed aluminium, together with its glass stand, accentuates the clear and timeless character of this Fine Arts TV set.

FINE ARTS LED | 46" / 116 CM



LED backlighting technology

Full HD resolution 1920 x 1080

100 Hz technology

Motion Picture Improvement for natural object motion

Integrated MPEG 4-compatible DVB-T and

DVB-C tuner for HDTV signal reception

USB 2.0 port with recording function

4 HDMI inputs

Display on rotating stand

FULL HD | HD-READY 1080P | 100 HZ | MOTION PICTURE IMPROVEMENT |
DYNAMIC CONTRAST PLUS | PERFECT PICTURE PLUS | INTEGRATED
MPEG 4-DVB-T AND DVB-C | USB 2.0 | 4 X HDMI | CI SLOT

FINE ARTS LED | 40" / 102 CM



TECHNICAL FEATURES AS WITH FINE ARTS LED 46" BUT WITH A 40" /
102 CM DISPLAY

The advantages of LED backlighting technology:

- superb contrast ratio
- brilliant colour reproduction
- outstanding picture sharpness
- long panel service life
- low energy consumption
- only 3.7 cm housing depth



- Record the TV channel received via DVB-T or DVB-C directly onto a USB stick
- Record Full-HD content broadcast via DVB-T or DVB-C as well
- One-touch recording using the record button on the remote control
- Pre-programmed recording via EPG or recording timer

| 37 mm |



- TimeShift function for delayed viewing (max. 10 minutes)
- Recorded content which has been broadcast by the station with a copy-protection signal can only be played on the same LCD TV
- Recorded content without a copy-protection signal can also be played on other LDC-TVs with a USB port, a PC or a laptop

For technical data see insert, page 4.

Experience the Beauty with new Grundig LED serie.

Experience LED TV via its excellent slim design. The LED backlighting technology is complemented by an elegant exterior. The timelessly beautiful, unique design of the new Vision 8 LED serie, the materials used and the myriad of practical details form a perfect symbiosis of quality and durability.



VISION 8 LED TV | 40" / 102 CM
[40 VLE 040 C]



LED backlighting technology

Full HD resolution 1920 x 1080

100 Hz technology

Motion Picture Improvement for natural object motion

Integrated MPEG 4-compatible DVB-T and DVB-C tuner for HDTV signal reception

USB 2.0 port with recording function

4 HDMI inputs

Display on rotating stand

FULL HD | HD-READY 1080P | 100 HZ | MOTION PICTURE IMPROVEMENT |
DYNAMIC CONTRAST PLUS | PERFECT PICTURE PLUS | INTEGRATED
MPEG 4-DVB-T AND DVB-C | USB 2.0 | 4 X HDMI | CI SLOT



**VISION 8 LED TV | 32" / 81 CM
[32 VLE 8040 C]**



LED backlighting technology
 Full HD resolution 1920 x 1080
 100 Hz technology
 Motion Picture Improvement for natural object motion
 Integrated MPEG 4-compatible DVB-T and DVB-C tuner for HDTV signal reception
 USB 2.0 port with recording function
 4 HDMI inputs
 Display on rotating stand

FULL HD | HD-READY 1080P | 100 HZ | MOTION PICTURE IMPROVEMENT |
 DYNAMIC CONTRAST PLUS | PERFECT PICTURE PLUS | INTEGRATED
 MPEG 4-DVB-T AND DVB-C | USB 2.0 | 4 X HDMI | CI SLOT



**VISION 8 LED TV | 21.6" / 55 CM
[22 VLE 8000 C]**



LED backlighting technology
 HD ready
 WXGA resolution 1366* 768
 Perfect Picture Plus Technology
 Integrated MPEG 4-compatible DVB-T and -DVB-C tuner for HDTV signal reception
 USB 2.0 port with recording function
 HDMI input

HD READY / PERFECT PICTURE PLUS / INTEGRATED DVB-T/
 DVB- S OPTIONAL / USB 2.0 / HDMI / CI SLOT

Resonant viewing and crystal clear listening.

You have never listened to TV or seen sound this way before. Thanks to an integrated sound projector with 16 speakers, the big GRUNDIG Vision 9 models in 37", 42" and 47" deliver a perfect sound experience to complement their razor-sharp pictures. Full-HD resolution and 200 Hz, in combination with Motion Picture Improvement technology, allow moving pictures to appear in the same brilliance as freeze frames. But the new "small" Vision 9 models in 26" and 32" also offer an interesting highlight with USB recording. Just have a look and listen.



VISION 9 | 32" / 81 CM



HD READY
 (Full-HD-resolution 1920 x 1080 optional)
 Perfect Picture Plus technology
 Dynamic contrast ratio 20000:1
 (Dynamic contrast ratio 50000:1 optional)
 Motion Picture Improvement for natural motion sequences (optional)
 MPEG 4-compatible integrated DVB-T and DVB-C receivers for HDTV signals (optional)
 SRS TruSurround sound system
 USB 2.0 port with recording functions (optional)
 2 HDMI inputs (3-4 HDMI optional)
 MPEG 2, DVB-T (optional)



VISION 9 | 26" / 66 CM



HD ready
 WXGA resolution 1366 x 768
 Dynamic contrast ratio 20000:1
 Perfect Picture Plus technology
 MPEG 4-compatible integrated DVB-T and DVB-C receivers for HDTV signals (optional)
 SRS TruSurround sound system
 USB 2.0 port with recording functions (optional)
 2 HDMI inputs (3-4 HDMI optional)
 MPEG 2, DVB-T (optional)



- Record the TV channel received via DVB-T or DVB-C directly onto a USB stick
- Record Full-HD content broadcast via DVB-T or DVB-C as well
- One-touch recording using the record button on the remote control
- Pre-programmed recording via EPG or recording timer
- TimeShift function for delayed viewing (max. 10 minutes)
- Recorded content which has been broadcast by the station with a copy-protection signal can only be played on the same LCD TV
- Recorded content without a copy-protection signal can also be played on other LDC-TVs with a USB port, a PC or a laptop



VISION 9 | 47" / 119 CM
[47-9980 T USB]



Full-HD-resolution 1920 x 1080

200 Hz technology

24p replay

Motion Picture Improvement for natural motion sequences

Dynamic contrast ratio 70000:1

Integrated DVB-T receiver

Sound projector with 16 speakers

USB 2.0 port

4 HDMI 1.3 CEC inputs

Rotating stand

FULL HD | 24P | HD READY 1080P | 200 HZ | MOTION PICTURE IMPROVEMENT | DYNAMIC CONTRAST PLUS | PERFECT PICTURE PLUS | INTEGRATED DVB-T | DVB-S OPTIONAL | SOUND PROJECTOR | USB 2.0 | 4 X HDMI 1.3 CEC | CI SLOT

VISION 9 | 42" / 107 CM
[42-9980 T USB]



Technical features as with Vision 9 47-9980 T USB, but with a 42" /107 cm display

VISION 9 | 37" / 94 CM
[37-9980 T USB]



Technical features as with Vision 9 47-9980 T USB, but with a 37"/94 cm display



When the HD satellite receiver DSR 1975 HDT or the DVD player GDP 3800 are connected to Vision 9 47", 42" or 37" via HDMI-1.3 CEC, the Vision 9's remote control Tele-Pilot® TP 1 also operates all functions on both these peripheral devices.



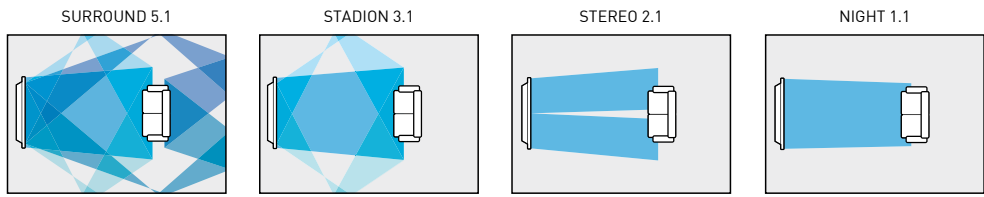
Surrounds you with sound. Not with speakers.

The Vision 9 with real surround sound.



On the outside, the Grundig Vision 9 models in 37", 42" and 47" are no different to an LCD TV with normal stereo sound. However, a sound unit integrating 16 special high-performance Konus loudspeakers is situated underneath the display. Two subwoofers are located at the back of the unit and project to the rear. An impressive 5.1 sound is created when combined with suitable reflective surfaces in the room. This is complemented by the corresponding picture quality, thanks to full HD resolution with 1920 x 1080 pixels, a refresh rate of 200 Hz and Motion Picture Improvement technology to prevent motion blur. Vision 9 – excellent picture, excellent sound, excellent design.

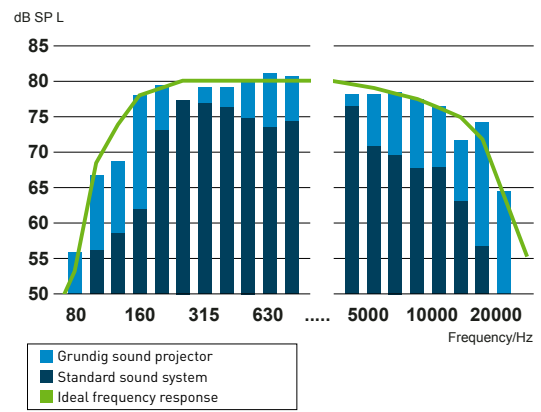
SOUND OPTIONS:



CABLE-FREE SURROUND SOUND.

Even though you can't see it, you will hear the difference. An integrated sound projector with a music output of 120 watts provides lush sound, free from cable clutter. 16 special, high-performance Konus speakers are all concealed inside the Vision 9 models. The subwoofers are located at the back of the housing and project to the rear. The secret of the surround sound is sophisticated technology which activates the individual speakers with minimal delay. This generates bundles of sound waves and directs them to different points throughout the room, where they reflect off the walls.

The result is 5.1-D sound for impressively spacious sound. The room must have suitable reflection surfaces to achieve this sound (see "Surround 5.1" sketch). But the Vision 9 LCDs are also impressive with a rich 3.1 sound – especially when directly connected to an external subwoofer on the LCD TV. The sound bundles can also be directed towards one or two individuals which, above all, relieves sleeping neighbours. The sound projector is simple to operate using the central TV remote control. Start looking forward to the third dimension of sound.



Directional pattern VISION 9 with sound projector
The Grundig sound projector is characterised by a balanced amplitude, as well as by an outstanding sound volume, improved by more than 10 dB in the high and low frequency range.



A NEW DIMENSION OF VISION.



Of course, an excellent picture goes hand-in-hand with excellent sound. The Grundig Vision 9 also provides full HD resolution with 1920 x 1080 pixels as well as a refresh rate of 200 Hz. The 200 Hz technology quadruples the number of pictures from 50 to 200 pictures per second. Additional intermediate pictures can be generated between two original pictures. In combination with the Motion Picture Improvement technology for the prevention of motion blur, a picture with such brilliance and high resolution is generated that even fast camera pans and fast-moving sports always remain razor-sharp – moving pictures with all the clarity of a freeze-frame.

Cinema fans will also enjoy a maximum of movie pleasure on the Grundig Vision 9. In "Movie Mode", 24 images per second are shown, which means that all cinema films can be replayed in original quality via Blu-ray disc or HD DVB set top boxes, and that all motion is absolutely smooth (without a filmshutter).

VISION 9 AS THE CENTRE OF YOUR HOME ENTERTAINMENT SYSTEM.



The Vision 9 has four HDMI connections to connect media players for digital data transfer; all connections conform to the HDMI 1.3 CEC standard. This allows all connected peripheral appliances such as DVD players, Blu-ray players and DVB receivers to be controlled using the TV remote control, as long as these appliances are also equipped with HDMI 1.3 CEC. The make of the media players or receivers is unimportant: the Grundig remote control Tele-Pilot® TP1 can operate all these combined media via the Vision 9.

SIMPLY BEAUTIFUL TO LOOK AT.

The timelessly beautiful, unique design of the Vision 9, the materials used and the myriad of practical details form a perfect symbiosis of quality and durability. The offset sound unit of the sound projector with its soft forms and rounded lower edges has a distinctive and dynamic appearance. The display area is structured quietly and lineally. And the elegantly covered cable channel prevents any loose cables from intruding into the image.



VISION 7 | 47" / 119 CM
[47-7970 T]



Full HD resolution 1920 x 1080

100 Hz technology

24p replay

Motion Picture Improvement for natural motion sequences

Dynamic contrast ratio 40000:1

Integrated DVB-T receiver

SRS TruSurround sound system

USB 2.0 port

4 HDMI 1.3 CEC inputs

Rotating stand

Soft-touch keys on the device

FULL HD | 24P | HD READY 1080P | 100 HZ | MOTION PICTURE IMPROVEMENT | DYNAMIC CONTRAST PLUS | PERFECT PICTURE PLUS | INTEGRATED DVB-T | DVB-S OPTIONAL | SRS TRUSURROUND | USB 2.0 | 4 X HDMI 1.3 CEC | CI SLOT



Vision 7 47" can alternatively be operated using the soft-touch keys directly on the device, which react to your approaching hand by lightning up in red for approx. 4 seconds.



Grundig system remote control
Tele-Pilot® TP3 with clearly
arranged operating elements.

Truly a sight for sore eyes.

Experience television as never before. Our big Vision 7 LCD TVs, with their full HD resolution of 1920 x 1080 pixels, a refresh rate of 100 Hz and Motion Picture Improvement technology for the prevention of motion blur, provide brilliant pictures in the highest resolution. And once TV signals are transmitted in HD quality in the near future, the new Vision 7 LCD TVs in 42" and 37" mean you will be perfectly prepared. Because their features include both an integrated DVB-T receiver as well as an integrated DVB-C receiver, which are both MPEG 2 and MPEG 4-compatible. This means they are able to receive HDTV content broadcast via DVB-T or DVB-C. Naturally, a picture as good as this belongs in an elegant exterior – a delight for your eyes.



VISION 7 | 37" / 94 cm



Technical features as with Vision 7 42, but with a 37"/94 cm display



VISION 7 | 42" / 107 cm



Full HD resolution 1920 x 1080
 Perfect Picture Plus technology
 Dynamic contrast ratio 40000:1
 (Dynamic contrast ratio 50000:1 optional)
 Motion Picture Improvement for natural motion sequences (optional)
 100 Hz technology (optional)
 MPEG 4-compatible integrated DVB-T and DVB-C receivers for HDTV signals (optional)
 SRS TruSurround sound system
 USB 2.0 port (optional)
 2 HDMI inputs (4 HDMI optional)
 MPEG 2, DVB-T (optional)



- Record the TV channel received via DVB-T or DVB-C directly onto a USB stick
- Record Full-HD content broadcast via DVB-T or DVB-C as well
- One-touch recording using the record button on the remote control
- Pre-programmed recording via EPG or recording timer
- TimeShift function for delayed viewing (max. 10 minutes)
- Recorded content which has been broadcast by the station with a copy-protection signal can only be played on the same LCD TV
- Recorded content without a copy-protection signal can also be played on other LCD-TVs with a USB port, a PC or a laptop

Enjoy every single moment.

It's love at first sight - and fascination at the second glance. Because the Vision 6 doesn't just captivate with its timelessly beautiful high-gloss design alone. Thanks to Full-HD resolution on Vision 6 in 42", 37" and 32", and the innovative picture improvement technology Perfect Picture Plus, you will also enjoy downright natural television pictures in maximum sharpness and extremely good contrast with these LCD TVs. And using the Vision 6's USB port, you can also view photos from your digital camera in the same impressive picture quality.



VISION 6 | 37" / 94 CM



Technical features as with Vision 6 42, but with a 37"/94 cm display

VISION 6 | 32" / 81 CM



Technical features as with Vision 6 42, but with a 32"/81 cm display



VISION 6 | 22" / 55 CM



HD ready
 WXGA resolution 1680 x 1050
 Contrast ratio 1000:1
 Perfect Picture Plus technology
 Integrated DVB-T receiver (optional)
 USB 2.0 port (optional)
 HDMI input
 Inclinable stand

HD READY | PERFECT PICTURE PLUS | INTEGRATED DVB-T | DVB-S
 OPTIONAL | USB 2.0 | HDMI | CI SLOT



VISION 6 | 26" / 66 CM

HD ready
 WXGA resolution 1366 x 768
 Dynamic contrast ratio 20000:1
 Perfect Picture Plus technology
 Integrated DVB-T receiver (optional)
 SRS TruSurround sound system
 USB 2.0 port (optional)
 2 HDMI inputs (3 HDMI optional)

HD READY | DYNAMIC CONTRAST PLUS | PERFECT PICTURE PLUS |
 INTEGRATED DVB-T | DVB-S OPTIONAL | USB 2.0 | 3 X HDMI | CI SLOT



GRUNDIG



The picture improvement technology Perfect Picture Plus, which is integrated into all Grundig LCD TVs from the Vision 2 family on, consists of the following four electronic components:

- Digital 3-D comb filter for significantly reducing any rainbow-like colour effects on fine structures (no moiré effect)
- DCTI for improving the sharpness of colour contours
- DLTI for improving the sharpness of brightness contours
- DNR for suppressing noise effects

VISION 6 | 42" / 107 CM



Full HD resolution 1920 x 1080

Dynamic contrast ratio 40000:1

Perfect Picture Plus technology

Integrated DVB-T receiver (optional)

SRS TruSurround sound system

USB 2.0 port (optional)

2 HDMI inputs (3 HDMI optional)

Rotating stand

FULL HD | HD READY 1080P | DYNAMIC CONTRAST PLUS | PERFECT
PICTURE PLUS | INTEGRATED DVB-T | DVB-S OPTIONAL | SRS
TRUSURROUND | USB 2.0 | 3 X HDMI | CI SLOT



The Vision ECO family consumes up to 47 percent less energy in normal TV operation than a comparable standard LCD TV.



With less than 0.1 watt power input in stand-by mode, the Vision ECO family is far under the usual values.

Needs as much power as a cactus needs water.

VISION ECO | 42" / 107 CM [42-6950 T]



Power-saving ECO panel with a mere 127 watt power input in operation

Less than 0.1 watts in stand-by mode

Full HD resolution 1920 x 1080

Dynamic contrast ratio 20000:1

Perfect Picture Plus technology

MPEG 4-compatible integrated DVB-T receiver for HDTV signals

SRS TruSurround sound system

USB 2.0 port

3 HDMI inputs

Rotating stand

ECO PANEL | ECO STAND-BY | FULL HD | HD READY 1080P | DYNAMIC CONTRAST PLUS | PERFECT PICTURE PLUS | INTEGRATED MPEG 4-DVB-T AND DVB-C | MPEG 2-DVB-S OPTIONAL | SRS TRUSURROUND | USB 2.0 | 3 X HDMI | CI SLOT

Today's televisions use far less energy than they did ten years ago. However, every kilowatt saved is kind on your purse and the environment. That's why especially energy-saving panels have been used in the Vision ECO. The results are plain to see: The Vision ECO, in normal TV mode, consumes up to 47 percent less energy than a comparable standard LCD TV and the Vision ECO's mere 0.1 watt in stand-by mode is far below the usual values.



VISION ECO | 37" / 94 CM [37-6950 T]



Technical features as with Vision ECO 42-6950 T, but with a 37"/94 cm display

Power-saving ECO panel with a mere 100 watt power input in operation



VISION ECO | 32" / 81 CM [32-6950 T]



Technical features as with Vision ECO 42-6950 T, but with a 32"/81 cm display

Power-saving ECO panel with a mere 75 watt power input in operation

Venture into the new world of television.

How about starting with an upgrade? Experience all the benefits of digital TV with our Vision 3 models. The integrated DVB-T receiver provides you with the whole range of digital TV channels. Thanks to the innovative picture improvement technology Perfect Picture Plus, these LCD TVs enable you to enjoy really natural television pictures in maximum picture sharpness and excellent contrast.

Are you looking for a second set in an extravagant design? Then our new Leemaxx 19 is exactly the right choice. Available with black or white housing, the stand support is integrated into the silhouette with style and elegance.



VISION 3 | 32" / 81 CM

- HD ready
- WXGA resolution 1366 x 768
- Dynamic contrast ratio 20000:1
- Perfect Picture Plus technology
- Integrated DVB-T receiver (optional)
- SRS TruSurround sound system
- 2 HDMI inputs (3 HDMI optional)

HD READY | DYNAMIC CONTRAST PLUS | PERFECT PICTURE PLUS |
INTEGRATED DVB-T | DVB-S OPTIONAL | SRS TRUSURROUND |
2 X HDMI | CI-SLOT

VISION 3 | 26" / 66 CM

Technical features as with Vision 3 32, but with a 26"/66 cm display





LEEMAXX | 18,5" / 47 CM

- HD ready
- WXGA resolution 1366 x 768
- Contrast ratio 1000:1
- Perfect Picture Plus technology
- Integrated DVB-T receiver (MPEG 4 DVB-T optional)
- USB 2.0 port
- HDMI input
- Housing colours: white, black, black/red, black/orange, white/pink, white/green

HD READY | PERFECT PICTURE PLUS | INTEGRATED DVB-T |
DVB-S OPTIONAL | USB 2.0 | HDMI | CI SLOT



LEEMAXX LED | 18,5" / 47 CM

- LED backlight technology
- HD ready
- WXGA resolution 1366 x 768
- Perfect Picture Plus technology
- Integrated MPEG 4 compatible DVB-T and DVB-C tuner for HDTV signal reception
- USB 2.0 port with recording function
- HDMI input
- Housing colours: white, black, black/red, black/orange, white/pink, white/green

HD READY | PERFECT PICTURE PLUS | INTEGRATED DVB-T |
DVB-S OPTIONAL | USB 2.0 | HDMI | CI SLOT

A second set of viewing pleasure.

The Vision 2 LCD TVs have proven to be an ideal secondary device. A DVD player is even integrated into the 19" and 22" sizes. Their compactness means they will find a place anywhere. Even in children's and teenagers' rooms, where this LCD TV's Game Mode will be especially well appreciated. While the Vision 2 22" additionally boasts an adjustable stand, the 19" and 16" models are equipped with a 12 volt connection.



VISION 2 | 21.6" / 55 CM



- HD ready
- WXGA resolution 1366 x 768
- Contrast ratio 800:1
- Perfect Picture Plus technology
- Integrated DVB-T receiver (optional)
- USB 2.0 port (optional)
- HDMI input
- Inclinable stand

HD READY | PERFECT PICTURE PLUS | INTEGRATED DVB-T |
DVB-S OPTIONAL | USB 2.0 | HDMI | CI SLOT

VISION 2 | 18.5" / 47 CM

- HD ready
- WXGA resolution 1366 x 768
- Contrast ratio 1000:1
- Perfect Picture Plus technology
- Integrated DVB-T receiver (optional)
- USB 2.0 port (optional)
- HDMI input
- 12 V connection

HD READY | PERFECT PICTURE PLUS | INTEGRATED DVB-T |
DVB-S OPTIONAL | USB 2.0 | HDMI | CI SLOT

VISION 2 | 18.5" / 47 CM [19-2930 T DVD]

- Technical features as with Vision 2 22-2930 T
DVD, but with a 18.5"/47 cm display
- Contrast ratio 1000:1
- 12 V connection

VISION 2 | 16" / 40 CM [16-2930 T]

- Technical features as with Vision 2 19-2930 T,
but with a 16"/40 cm display
- Contrast ratio 500:1





VISION 2 | 21.6" / 55 CM

HD ready

WXGA resolution 1366 x 768

Contrast ratio 800:1

Perfect Picture Plus technology

Integrated DVD player

Integrated DVB-T receiver

USB 2.0 port

HDMI input

Inclinable stand

HD READY | PERFECT PICTURE PLUS | INTEGRATED DVB-T |

DVB-S OPTIONAL | USB 2.0 | HDMI | CI SLOT

VISION 2 LED | 21.6" / 55 CM

LED backlighting technology

HD ready

WXGA resolution 1366* 768

Perfect Picture Plus Technology

Integrated MPEG 4-compatible DVB-T tuner
for HDTV signal reception

USB 2.0 port

HDMI input

HD READY / PERFECT PICTURE PLUS / INTEGRATED DVB-T /

DVB-S OPTIONAL / USB 2.0 / HDMI / CI SLOT

VISION 2 | 18.5" / 47 CM

Technical features as with Vision 2 22-2930 T
DVD, but with a 18.5"/47 cm display

Contrast ratio 1000:1

12 V connection

VISION 2 LED | 18.5" / 47 CM

Technical features as with Vision 2 22 LED, but
with a 18.5"/47 cm display

12 V connector

Grundig DVD players understand the art of entertainment.

Grundig DVD players are characterised by ease of operation and elegant slimline housing. They form the hub of every home entertainment system. Their appearance is only surpassed by their use. Captivating playback quality ensures top-class entertainment. You've never watched DVDs this way before.



HDMI DVD PLAYER

[GDP 5010]

- HDMI 1080P output
- USB 2.0 direct high speed port
- Digital Audio output(coaxial)
- SD Card reader
- MP3, JPEG, KODAK Picture CD, WMA, MPEG 4 (Xvid, DivX compatible), HDCD, HD JPEG



DVD PLAYER

[GDP 4300]

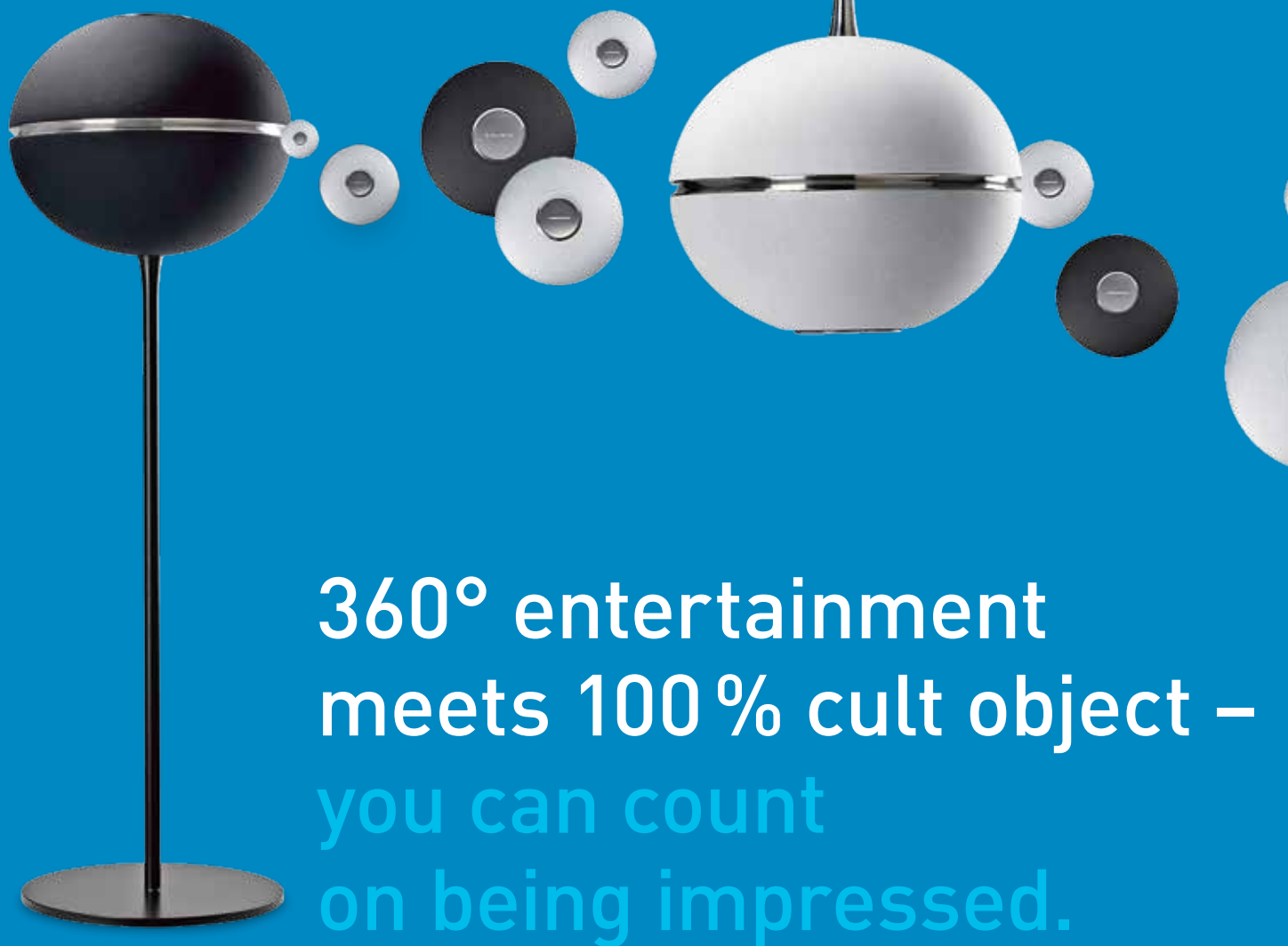
- YUV sockets for the output of full pictures in progressive scan format
- Digital output (optical and coaxial)
- MP3, JPEG, KODAK Picture CD, WMA, DivX (MPEG 4), HDCD



Design is music for the eyes. We also have the sound for it.

Our audio products fascinate with their design and technology in equal measure. With the high-end Audiorama spherical speakers you can experience the design of the 70s coupled with the sound of the future. A combination guaranteed to move. Our new Personal Media Player MPixx with touch screen also show plenty of sensation. You can enjoy crystal-clear pictures and videos using intuitive control. And all that regardless of where you actually might be. With WLAN compatible audio products from Grundig, you can access an unlimited range of more than 11,000 international radio stations on the Internet – without a PC and with impressive quality. Astounding – again and again.

SOUND



360° entertainment
meets 100% cult object –
you can count
on being impressed.

Born in the 70s, and even more fascinating today: the high-end Audiorama spherical speakers are back. Two bass/mid-range chassis and a hyperbolically-diverted treble system provide even more sound saturation. The 360° projection produces a unique surround sound. Whether standing or suspended, they're 100% cult. That is how something impressive can turn into physical size.



STEREO SPHERICAL SPEAKERS [AUDIORAMA 9000]

360°-projection

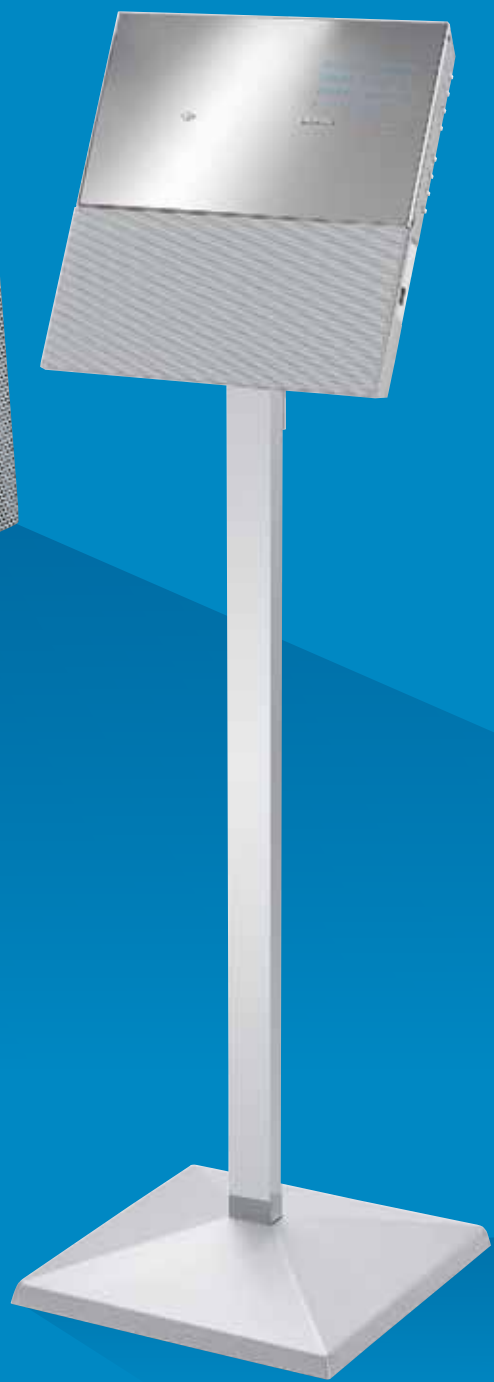
Nominal output/music output 120 watts/
180 watts

1 treble & 2 bass/mid-range speakers each

Treble speakers protected from the acoustic
pressure of bass vibration by the special design

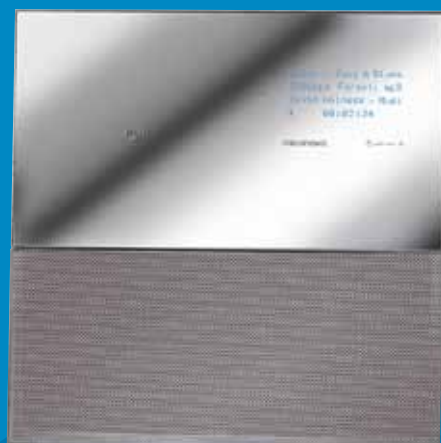
Stand-up mounting and ceiling suspension

Stand support available as an accessory



11,000 channels find one receiver.

Our web radios offer an completely new dimension in entertainment. Using a WLAN connection, not only can you access an unlimited range of more than 11,000 online radio stations, but also the music stored on your PC. And Ovation 2i even allows you to enjoy this unlimited range in Magic Fidelity quality, Grundig's unique sound system. Which is great to hear.



Wall mounting



OVATION 2i [CDS 9000 WEB]



- WLAN-capable micro CD station
- Online radio reception
- Audio streaming of music stored on PC
- Magic Fidelity sound concept
- 90 watt PMPO
- CD player also plays MP3 CDs
- RDS tuner unit with 40 station presets
- USB port

@-RADIO | MAGIC FIDELITY | MP3 | USB

You love the radio? From now on you will worship it.

Several thousand broadcasting stations from all over the world offer their programmes on the World Wide Web. Whatever your taste in music, or whatever your mood or interests – there is sure to be a station that suits you. With its WLAN-compatible audio products, Grundig enables you to receive radio stations from the WWW without a PC: on-site LAN or WLAN is enough. It could be the beginning of a new love affair.

ONLINE RADIO [Cosmopolit 7 WEB]

- WLAN-capable radio
- Online radio reception
- Audio streaming of music stored on PC
- DAB and RDS tuners with 10 station presets each
- Aluminium housing
- USB port
- Alarm and timer functions

@-RADIO | USB



KITCHEN RADIO [sonoclock 890 WEB]

- WLAN-capable kitchen radio
- Online radio reception
- Audio streaming of music stored on PC
- DAB and RDS tuners with 10 station presets each
- Ready for mounting under a kitchen cupboard
- Aluminium front panel
- USB port
- Timer setting up to 300 minutes

@-RADIO | USB





RRCD 3760 WEB

WLAN-capable CD radio recorder

Online radio reception

Audio streaming of music stored on PC

USB port

SD/MMC card slot

PLL tuner with 40 station presets

Audio CDs/MP3 CDs/WMA-CDs

Tape deck

Digital equalizer with four pre-programmed settings

remote control



Ⓜ-RADIO | MP3 | USB

Magic Fidelity – a sound system enchants your ears.

Big sound in the smallest space. That's the secret of our micro systems' success. Thanks to Magic Fidelity, Grundig's unique sound system, you can experience music with a sound quality which outperforms comparable hi-fi systems by far. When are you going to fall under the spell of Magic Fidelity?

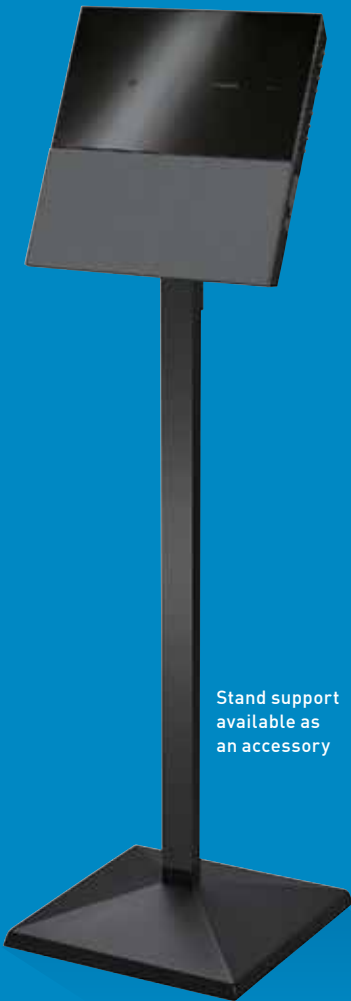




OVATION
[CDS 6580 A SPCD]

- Micro CD stations
- Magic Fidelity sound concept
- 80 watt PMPO
- CD player also plays MP3 and WMA CDs
- RDS tuner with 40 station presets
- Aluminium front panel
- 75 Ohm antenna connection
- Backlighting can be set in 8 different colours

MAGIC FIDELITY | MP3



Stand support available as an accessory

OVATION 2
[CDS 7000 DEC]

- Micro CD stations
- Magic Fidelity sound concept
- 90 watt PMPO
- CD player also plays MP3 CDs
- RDS tuner with 40 station presets
- 75 Ohm antenna connection
- USB port

MAGIC FIDELITY | MP3 | USB

So small and yet so great.

Compact size, high-class sound. Our micro systems are the best proof that expansive sound has nothing to do with size. High-quality materials and powerful technology make them into giants in acoustic entertainment. Small but not quiet.



UMS 4710 DEC

- USB port
- SD/MMC card slot
- 65 watt PMPO
- RDS tuner with 30 station presets
- CD player also plays MP3 CDs
- Digital equalizer with five pre-programmed settings

MP3 | USB



UMS 4700 SPCD

- 65 watt PMPO
- RDS tuner with 30 station presets
- CD player also plays MP3 CDs
- Tape deck
- Digital equalizer with five pre-programmed settings

MP3



UMS 5800 SPCD

- USB port
- SD/MMC card slot
- 160 watt PMPO
- RDS tuner with 40 station presets
- CD player also plays MP3 and WMA CDs
- Digital equalizer with five pre-programmed settings

MP3 | USB



MPiXX 1200 FM/2GB

- Supports MP3, WMA, WAV, JPEG and BMP formats
- MPEG via MTV transcoding software (provided)
- 1.8" TFT display
- 65,000 colours
- 2 GB flash memory
- Micro SDHC card reader (up to 8 GB)
- File navigation
- ID3 tag-, lyrics and resume function for audio books
- Mini USB 2.0 full speed
- VHF radio

MP3 | USB



PORTABLE CD-PLAYER [CDP 5100 SPCD]

- CD player also plays MP3 CDs
- Digital Anti-Shock System
- Digital equalizer with five pre-programmed settings
- Ultra Bass System

MP3



MPaxx 928 Hydrox/2GB

- Waterproof IPX8
- 2GB flash memory
- Plays MP3, WMA and WAV formats
- High Quality in ear type earphones
- Powerful lithium polymer battery
- Waterproof earphones and swimming goggles supplied

MP3

You just have to take one along.

Once you have one, you'll never want to part with it again. The Grundig personal media player MPixx captivates with its design and functionality in equal measure. Their full-colour displays allow you to experience razor-sharp videos and pictures and the huge Flash memory for MP3 music provides the right soundtrack for every occasion. Because just like our other Grundig audio portables, they are a musical companion for each and every situation. Whether you are at the bus stop, the swimming pool or on the train – the right music always puts you in a good mood.

MPaxx 920/2GB - MPaxx 940/4GB

Ultra-small Clip-Music player

4.3 x 3.4 x 0.9 cm

2-4 GB flash memory

High-performance 3.7 V lithium-polymer battery

Power control LED

High-quality earphones

Shuffle feature

MP3 | USB



Powerful sound and a great design.

The extravagantly rounded and soft Grundig design is just one feature of our CD radios. The voluminous speakers, which are open for every style of music, will win you over with their sumptuous sound. Both audio CDs and MP3 CDs are in their element here.



RRCD 3720 DEC

- USB port
- SD/MMC card slot
- VHF/MW tuner with 20 station memory
- CDs/MP3/WMA-CDs
- Tape deck
- Digital equalizer with four pre-programmed settings
- Remote controls for main functions
- Housing colours: silver and maroon





RRCD 3700 MP3

VHF/MW tuner
 CDs/MP3/WMA-CDs
 Tape deck
 Ultra Bass System
 Housing colours: silver/black

MP3



RRCD 2700 MP3

VHF/MW tuner
 CDs/MP3/WMA-CDs
 Tape deck
 Ultra Bass System
 Housing colours: silver, high-gloss white and neos blue

MP3



RCD 1420 MP3

VHF/MW tuner
 PLL synthesizer tuner with 20-station memories
 Plays audio and MP3 CDs
 Ultra Bass System
 Housing colours: silver, blue or pink

MP3



RRCD 1350 MP3

CD radio recorder with an FM/MW tuner
 Plays audio and MP3 CDs
 Tape deck
 Ultra bass system
 Housing colours: silver/black and blue

MP3



Swept away by our shortwave radios.

The world is full of novelties – and you can receive them. Grundig world receivers are synonymous with the ideal travel companion. They will keep you perfectly informed via shortwave, regardless of where you might currently be. If you listen to local VHF stations at home, but also want to listen to radio stations from all over the world, then our “big” portable radios RP 6901 and RP 6900 are the right choice.



WR 5405

- 7 x SW from 5.90 – 17.90 MHz
- 2 universal time settings
- Timer functions
- Dimensions: approx. 12.8 x 8.7 x 3.3 cm
- 270 g (without batteries)
- Supplied with protective case made from genuine leather



WR 5401

- 9 x SW from 3.90 – 21.85 MHz
- Dimensions: approx. 15 x 8.5 x 3.4 cm
- 250 g (without batteries)
- Supplied with protective case made from genuine leather



WR 5408 PLL

- AM double super technology
- 14 x SW from 1.71 – 29.9 MHz
- Direct input of frequencies and SW-bands
- Single band reception SSB
- PLL frequency synthesiser
- Dimensions: approx. 18.4 x 12 x 4 cm
- 510 g (without batteries)
- Supplied with earphones and a protective case made from genuine leather



MUSIC 70 [RP 6900]

VHF, MW, LW and SW reception
 (5.80 – 6.40 MHz and 6.80 – 18.50 MHz)
 Dimensions: approx. 26 x 15 x 7 cm

MUSIC 71 [RP 6901 PLL]

VHF RDS, MW, LW and SW reception
 PLL frequency synthesiser
 10 station presets per waveband (40 in total)
 LCD multi-function display
 RDS times synchronisation
 Alarm and timer functions
 Dimensions: approx. 26 x 15 x 7 cm

Listening to the radio is also a question of style.

Clearer reception and good sound distinguish Grundig radios. They are just as practical at home as entertainment devices as travel pockets when out and about. A stylish design, quality workmanship and simple operation guarantee that you will be enjoying them for a long time.



RP 5200

VHF, MW and SW reception
(5.8 to 18.5 MHz)

Mains and battery operation

Dimensions: approx. 24.7 x 12.7 x 6.2 cm

Housing colours: silver, aubergine, white high
gloss, mocca and cherry red





RP 4900

- VHF, MW and SW reception

- Mains and battery operation

- Housing colours: white/black or red

- Dimensions: approx. 26.5 x 14.3 x 8.3 cm



MUSIC 51 [RP 5201

- VHF reception

- PLL frequency synthesiser

- 10 station memory

- Timer functions

- Mains and battery operation

- Dimensions: approx. 24.7 x 12.7 x 6.2 cm



MINI 62

- PLL synthesiser VHF tuner

- 10 station memory

- Earphones supplied

- 90 g (without batteries)

- Dimensions: approx. 6.1 x 10.5 x 2.8 cm



CITY 31 [RP 6901 PLL]

- VHF and MW reception

- 170 g (without batteries)

- Dimensions: approx. 7.2 x 12.3 x 3.4 cm



MICRO 60

- Pocket radio

- VHF and MW reception

- Ultra Bass System

- Earphones supplied

- Dimensions: approx. 5.9 x 9 x 2.8 cm

Good morning the whole day long.

Grundig clock radios help you to rise and shine. And not just that. Because along with the current time, they always provide you with the best in home entertainment. Whether you are at your desk in the study, at the workbench in the cellar or in the kitchen. And the extensive range of models means everyone will find their own form of rousing entertainment.

CCD 5600 SPCD

VHF/MW reception

CD player also plays MP3 CDs

2 adjustable alarm times

Wake-up with music from CD, radio or alarm signal

Headphone connection



SONOCLOCK 890

VHF RDS reception

10 station memory

Designed for mounting under kitchen cupboards

Automatically-updated time display via RDS-CT

Timer setting up to 300 minutes

Dynamically increasing alarm volume

Solid, lavish aluminium panel



SONOCLOCK 690

VHF reception

10 station memory

Designed for mounting under kitchen cupboards

Forward or reverse clock setting

Timer setting up to 300 minutes

Dynamically increasing alarm volume



SONOCLOCK 660

- VHF RDS reception
- 20 station memory
- Automatically-updated time display via RDS-CT
- Weekend cancellation function
- 2 adjustable alarm times
- Backlighting can be set in 8 different colours



SONOCLOCK 360

- VHF/MW reception
- Automatic sleep timer function (up to 119 mins.)
- Snooze function in nine minute intervals



SONOCLOCK 560

- VHF/MW reception
- Automatic sleep timer function (up to 59 mins.)
- Snooze function in six minute intervals
- Large display with 2-way brightness control



SONOCLOCK 760 DCF

- VHF reception
- Time setting to the second via radio clock transmitter DCF-77
- Large, easy-to-read time display
- 2 adjustable alarm times
- Automatic sleep time function programmable for up to 119 minutes

Looks good for you.

Our home appliance product range is guaranteed to make you feel good. Whether for beauty, cleaning or well-being, the results are just as good as our products. The latest and high-performance technology make our design objects into real top performers. The products presented here comprise just a selection of our current home appliance range. You can find additional products and information at www.grundig.de



**WELLNESS
WHIRL POOL FOOTBATH**
[FM 8720]



**WELLNESS
PROFESSIONAL BODY ANALYZER
SCALE**
[PS 8710]



**FLOOR CARE
HANDHELD VACUUM
CLEANER**
[VCH 8830]



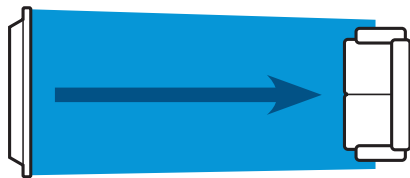
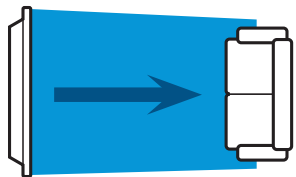
**FLOOR CARE
VACUUM CLEANER**
[VCC 9850]

Choosing the right display diagonals when buying a LCD TV.

Contrary to popular opinion, you do not need a really enormous living room for an LCD TV with a large display diagonal. In fact, you should sit nearer an LCD TV than you should for a conventional tube television. When it comes down to it, choosing the right size for your new LCD TV depends on two factors. Firstly, it is the minimum distance possible to your LCD TV from where you sit at home and secondly, the quality of the transmission.

You also have to take into account whether you use the digital TV signal via DVB-T, DVB-S or DVB-C or mainly watch HD content, such as films from a Blu-ray disc or even if you already have an HD set-top box. For instance, the optimum sitting distance from a 42" LCD TV with Full-HD panel for a transmission via a Blu-ray player is 2.15 metres, so that you can appreciate the full colour

brilliance and detailed sharpness. Even for transmissions via DVB-T, DVB-S or DVB-C, the optimum sitting distance only goes up to 2.65 metres. This distance can be arranged in almost all living rooms. Further recommendations for relations between display diagonals and optimum seating arrangements for different transmission quality can be seen in the following chart.



Display diagonal	32"	37"	42"	47"
LCD TV with Full-HD panel and HD transmission (Blu-ray, HD set-top box)	1.65 m	1.90 m	2.15 m	2.40 m
LCD TV with Full-HD resp. HD ready panel and transmission via digital TV signal (DVB-T, DVB-S, DVB-C)	2.05 m	2.35 m	2.65 m	2.95 m

LCD TELEVISION SETS	FINE ARTS LED	FINE ARTS LED	VISION 8 LED TV 40 VLE 8040 C	VISION 8 LED TV 32 VLE 8040 C	VISION 8 LED TV 22 VLE 8000 C	VISION 9 47-9980 T USB
Catalogue page	6	6	8	9	9	11
PICTURE						
Display	LED Dynamic Backlight LC-Display	LED Dynamic Backlight LC-Display	LED Dynamic Backlight LC-Display	LED Dynamic Backlight LC-Display	LED Dynamic Backlight LC-Display	Active Matrix TFT-LC-Display
Screen diagonal inches	46	40	40	32	22	47
16:9 wide-screen format	•	•	•	•	•	•
Response time approx. ms	6	6	6	TBD	6	5
Brightness approx. cd/m2	450	450	450	TBD	300	500
Contrast ratio approx.	90000 : 1 [Dynamic Contrast Plus]	50000 : 1 [Dynamic Contrast Plus]	50000 : 1 [Dynamic Contrast Plus]	TBD	15000 : 1 [Dynamic Contrast Plus]	70000 : 1 [Dynamic Contrast Plus]
Viewing angle approx.	Super Wide	Super Wide	Super Wide	Super Wide	Super Wide	Super Wide
Resolution RGB pixel	WUXGA 1920 x 1080	WUXGA 1920 x 1080	WUXGA 1920 x 1080	WUXGA 1920 x 1080	WXGA 1366 x 768	WUXGA 1920 x 1080
Full HD	•	•	•	•	-	•
HD ready	•	•	•	•	•	•
200 Hz technology	-	-	-	-	-	•
100 Hz technology	•	•	•	•	-	-
Motion Picture Improvement	•	•	•	•	-	-
Perfect Picture Plus technology	•	•	•	•	•	•
Digital combfilter [3-D]	•	•	•	•	•	•
Digital Colour Transition Improvement [DCTI]	•	•	•	•	•	•
Digital Luminance Transition Improvement [DLTI]	•	•	•	•	•	•
Digital Noise Reduction [DNR]	•	•	•	•	•	•
INTEGRATED DVB-T RECEPTION						
Digital TV reception via antenna [DVB-T]	• MPEG 2 + MPEG 4	• MPEG 2 + MPEG 4	• MPEG 2 + MPEG 4	• MPEG 2 + MPEG 4	• MPEG 2 + MPEG 4	•
Digital TV reception via satellite [DVB-S]	to retrofit by DSR 1975 HDTV or DSR 1750	to retrofit by DSR 1975 HDTV or DSR 1750	to retrofit by DSR 1975 HDTV or DSR 1750	to retrofit by DSR 1975 HDTV or DSR 1750	to retrofit by DSR 1975 HDTV or DSR 1750	to retrofit by DSR 1975 HDTV or DSR 1750
Digital TV reception via cable [DVB-C]	• MPEG 2 + MPEG 4	• MPEG 2 + MPEG 4	• MPEG 2 + MPEG 4	• MPEG 2 + MPEG 4	• MPEG 2 + MPEG 4	-
ELECTRONICS						
PAT - splitted screen [picture / text]	•	•	•	•	•	•
Programme memory TV / AV	100 analog / 400 digital / AV	100 analog / 400 digital / AV	100 analog / 400 digital / AV	100 analog / 400 digital / AV	100 analog / 400 digital / AV	100 [1000 DVB-T] / 11
Videotext / memory	• / 1000	• / 1000	• / 1000	• / 1000	• / 1000	• / 1000
TV standards	BG, I, DK/K', L/L', PAL, SECAM via AV: NTSC 4,43 + 3,58 MHz. A2 for B/G/D/K/I, Nicam 5,85 MHz [BG, L] + 6,52 MHz [I]	BG, I, DK/K', L/L', PAL, SECAM via AV: NTSC 4,43 + 3,58 MHz. A2 for B/G/D/K/I, Nicam 5,85 MHz [BG, L] + 6,52 MHz [I]	BG, I, DK/K', L/L', PAL, SECAM via AV: NTSC 4,43 + 3,58 MHz. A2 for B/G/D/K/I, Nicam 5,85 MHz [BG, L] + 6,52 MHz [I]	BG, I, DK/K', L/L', PAL, SECAM via AV: NTSC 4,43 + 3,58 MHz. A2 for B/G/D/K/I, Nicam 5,85 MHz [BG, L] + 6,52 MHz [I]	BG, I, DK/K', L/L', PAL, SECAM via AV: NTSC 4,43 + 3,58 MHz. A2 for B/G/D/K/I, Nicam 5,85 MHz [BG, L] + 6,52 MHz [I]	BG, I, DK/K', L/L', PAL, SECAM via AV: NTSC 4,43 + 3,58 MHz. A2 for B/G/D/K/I, Nicam 5,85 MHz [BG, L] + 6,52 MHz [I]
Control keys on set	•	•	•	•	•	•
Infrared remote control	TP 3	TP 3	TP 3	TP 3	TP 3	TP 1
SOUND						
Music / nominal output approx. W	2-channel 20 / 10	2-channel 20 / 10	2-channel 20 / 10	2-channel 20 / 10	2-channel 12 / 6	music output max. 120 watts
Sound projector	-	-	-	-	-	•
Virtual Dolby Surround	-	-	-	-	-	•
SRS TruSurround	•	•	•	•	•	-
Loudspeakers	2 wide band + 2 tweeter, front	2 wide band + 2 tweeter, front	2 wide band + 2 tweeter, front	2 wide band + 2 tweeter, front	2 wide band, front	16 wide band, front + 2 woofer, rear
CONNECTIONS / SOCKETS						
HDMI	4x	4x	4x	4x	2x	2x rear; 2x lateral [all in 1.3 CEC standard]
HDCP	• [via HDMI]	• [via HDMI]	• [via HDMI]	• [via HDMI]	• [via HDMI]	• [via HDMI]
USB 2.0	• [USB recording]	• [USB recording]	• [USB recording]	• [USB recording]	• [USB recording]	•
Euro-AV socket / RGB and S-video suitable	1x / RGB, S-video	1x / RGB, S-video	1x / RGB, S-video	1x / RGB, S-video	1x / RGB, S-video	2x / 1x RGB, 1x S-video
YUV sockets	• [3x Cinch video, 2x Cinch audio]	• [3x Cinch video, 2x Cinch audio]	• [3x Cinch video, 2x Cinch audio]	• [3x Cinch video, 2x Cinch audio]	• [via VGA]	• [3x Cinch video, 2x Cinch audio]
S-video input [hosiden]	•	•	•	•	-	• [lateral]
Cinch-AV sockets	•	•	•	•	•	• [lateral]
VGA interface for PC	• [Multisync WXGA]	• [Multisync WXGA]	• [Multisync WXGA]	• [Multisync WXGA]	• [Multisync WXGA]	• [Multisync WXGA]
SPDIF out	• [coaxial]	• [coaxial]	• [coaxial]	• [coaxial]	-	• [coaxial]
Subwoofer out	-	-	-	-	-	•
Headphones socket [Ø 3,5 mm]	•	•	•	•	•	• [lateral]
Common interface [CA modules]	•	•	•	•	•	•
12 V DC connector	-	-	-	-	-	-
MAINS UNIT						
Voltage [regulated], frequency 50/60 Hz	V- 230	230	230	230	230	230
Integrated supply	•	•	•	•	•	•
Power consumption max. / stand-by approx. W	TBD	116 / <-0.2	116 / <-0.2	TBD	TBD	260 / <-1
WEIGHT						
Weight approx. kg	19	19	18.5	11	4.3	34.5
DIMENSIONS						
W x H x D without pedestal approx. cm	110.4 x 69.8 x 3.9	96.5 x 62 x 3.7	96.9 x 61.8 x 4.3	77 x 50.1 x 4.3	52.3 x 35.6 x 6.9	113.3 x 77 x 11.5
W x H x D with pedestal approx. cm	110.4 x 75.9 x 24.4	96.5 x 68 x 20	96.9 x 67 x 22.4	77 x 54.5 x 20	52.3 x 38.0 x 16	113.3 x 80.5 x 38.5
Prepared for VESA standard wall mounting mm	200 x 200	200 x 200	200 x 200	200 x 200	100 x 100	200 x 200

Technical data supplied without liability.

LCD TELEVISION SETS	VISION 7 47-7970 T	VISION 9 42-9980 T USB	VISION 7 42-7975 T/C	VISION 7 42-7950 T	VISION ECO 42-6950 T	VISION ECO 42-6944 T/C
Catalogue page	14	11	15	15	19	19
PICTURE						
Display	Active Matrix TFT-LC-Display	Active Matrix TFT-LC-Display	Active Matrix TFT-LC-Display	Active Matrix TFT-LC-Display	Active Matrix TFT-LC-Display	Active Matrix TFT-LC-Display
Screen diagonal inches	47	42	42	42	42	42
16:9 wide-screen format	•	•	•	•	•	•
Response time approx. ms	5	5	5	5	6.5	6.5
Brightness approx. cd/m2	500	500	500	500	400	400
Contrast ratio approx.	40000 : 1 [Dynamic Contrast Plus]	70000 : 1 [Dynamic Contrast Plus]	50000 : 1 [Dynamic Contrast Plus]	40000 : 1 [Dynamic Contrast Plus]	20000 : 1 [Dynamic Contrast Plus]	20000 : 1 [Dynamic Contrast Plus]
Viewing angle approx.	Super Wide	Super Wide	Super Wide	Super Wide	Super Wide	Super Wide
Resolution RGB pixel	WUXGA 1920 x 1080	WUXGA 1920 x 1080	WUXGA 1920 x 1080	WUXGA 1920 x 1080	WUXGA 1920 x 1080	WUXGA 1920 x 1080
Full HD	•	•	•	•	•	•
HD ready	•	•	•	•	•	•
200 Hz technology	-	•	-	-	-	-
100 Hz technology	•	-	•	-	-	-
Motion Picture Improvement	•	•	•	-	-	-
Perfect Picture Plus technology	•	•	•	•	•	•
Digital combfilter [3-D]	•	•	•	•	•	•
Digital Colour Transition Improvement [DCTI]	•	•	•	•	•	•
Digital Luminance Transition Improvement [DLTI]	•	•	•	•	•	•
Digital Noise Reduction [DNR]	•	•	•	•	•	•
INTEGRATED DVB-T RECEPTION						
Digital TV reception via antenna [DVB-T]	•	•	• MPEG 2 + MPEG 4	•	• MPEG 2 + MPEG 4	• MPEG 2 + MPEG 4
Digital TV reception via satellite [DVB-S]	to retrofit by DSR 1975 HDTV or DSR 1750	to retrofit by DSR 1975 HDTV or DSR 1750	to retrofit by DSR 1975 HDTV or DSR 1750	to retrofit by DSR 1975 HDTV or DSR 1750	to retrofit by DSR 1975 HDTV or DSR 1750	to retrofit by DSR 1975 HDTV or DSR 1750
Digital TV reception via cable [DVB-C]	-	-	• MPEG 2 + MPEG 4	DSR 1750	-	• MPEG 2 + MPEG 4
ELECTRONICS						
PAT - splitted screen [picture / text]	•	•	•	•	•	•
Programme memory TV / AV	100 [1000 DVB-T] / 9	100 [1000 DVB-T] / 11	100 analog / 400 digital / AV	•	100 analog / 400 digital / AV	100 analog / 400 digital / AV
Videotext / memory	• / 1000	• / 1000	• / 1000	• / 1000	• / 1000	• / 1000
TV standards	BG, I, DK/K', L/L': PAL, SECAM via AV: NTSC 4,43 + 3,58 MHz. A2 for B/G/D/K/I, Nicam 5,85 MHz [BG, L] + 6,52 MHz [I]	BG, I, DK/K', L/L': PAL, SECAM via AV: NTSC 4,43 + 3,58 MHz. A2 for B/G/D/K/I, Nicam 5,85 MHz [BG, L] + 6,52 MHz [I]	BG, I, DK/K', L/L': PAL, SECAM via AV: NTSC 4,43 + 3,58 MHz. A2 for B/G/D/K/I, Nicam 5,85 MHz [BG, L] + 6,52 MHz [I]	BG, I, DK/K', L/L': PAL, SECAM via AV: NTSC 4,43 + 3,58 MHz. A2 for B/G/D/K/I, Nicam 5,85 MHz [BG, L] + 6,52 MHz [I]	BG, I, DK/K', L/L': PAL, SECAM via AV: NTSC 4,43 + 3,58 MHz. A2 for B/G/D/K/I, Nicam 5,85 MHz [BG, L] + 6,52 MHz [I]	BG, I, DK/K', L/L': PAL, SECAM via AV: NTSC 4,43 + 3,58 MHz. A2 for B/G/D/K/I, Nicam 5,85 MHz [BG, L] + 6,52 MHz [I]
Control keys on set	• [illuminated soft touch keys]	•	•	• [BG, L] + 6,52 MHz [I]	•	•
Infrared remote control	TP 1	TP 1	TP 3	•	TP 3	TP 3
SOUND						
Music / nominal output approx. W	2-channel 20 / 10	music output max. 120 watts	2-channel 20 / 10	•	2-channel 20 / 10	2-channel 20 / 10
Sound projector	-	•	-	2-channel 20 / 10	-	-
Virtual Dolby Surround	-	•	-	-	-	-
SRS TruSurround	•	-	•	-	•	•
Loudspeakers	2 wide band + 2 tweeter, front	16 wide band, front + 2 woofer, rear	2 wide band + 2 tweeter, front	•	2 wide band + 2 tweeter, front	2 wide band + 2 tweeter, front
CONNECTIONS / SOCKETS						
HDMI	2x rear; 2x lateral [all in 1.3 CEC standard]	2x rear; 2x lateral [all in 1.3 CEC standard]	2x rear; 2x lateral	•	3x	3x
HDCP	• [via HDMI]	• [via HDMI]	• [via HDMI]	3x	• [via HDMI]	• [via HDMI]
USB 2.0	•	•	• [USB recording]	• [via HDMI]	•	•
Euro-AV socket / RGB and S-video suitable	2x / 1x RGB, 1x S-video	2x / 1x RGB, 1x S-video	1x / RGB, S-video	•	1x / RGB, S-video	1x / RGB, S-video
YUV sockets	• [3x Cinch video, 2x Cinch audio]	• [3x Cinch video, 2x Cinch audio]	• [3x Cinch video, 2x Cinch audio]	1x / RGB, S-video	• [3x Cinch video, 2x Cinch audio]	• [3x Cinch video, 2x Cinch audio]
S-video input [hosiden]	• [lateral]	• [lateral]	• [lateral]	• [3x Cinch video, 2x Cinch audio]	•	•
Cinch-AV sockets	• [lateral]	• [lateral]	• [lateral]	•	•	•
VGA interface for PC	• [Multisync WXGA]	• [Multisync WXGA]	• [Multisync WXGA]	•	• [Multisync WXGA]	• [Multisync WXGA]
SPDIF out	• [coaxial]	• [coaxial]	• [coaxial]	• [Multisync WXGA]	• [coaxial]	• [coaxial]
Subwoofer out	-	•	-	• [coaxial]	-	-
Headphones socket [Ø 3,5 mm]	• [lateral]	• [lateral]	• [lateral]	-	•	•
Common interface [CA modules]	•	•	•	•	•	•
12 V DC connector	-	-	-	•	-	-
MAINS UNIT						
Voltage [regulated], frequency 50/60 Hz	V- 230	230	230	•	230	230
Integrated supply	•	•	•	230	•	•
Power consumption max. / stand-by approx. W	260 / <-1	210 / <-1	210 / <-1	•	127 / <-0.1 [ECO stand-by]	127 / <-0.1 [ECO stand-by]
WEIGHT						
Weight approx. kg	32.5	26.8	23.2	23.2	23.2	23.2
DIMENSIONS						
W x H x D without pedestal approx. cm	113 x 74 x 11.5	102 x 70.2 x 11.5	104.3 x 69.5 x 11.5	104.3 x 69.5 x 11.5	104.3 x 69.5 x 11.5	101.8 x 68.3 x 9.5
W x H x D with pedestal approx. cm	113 x 79 x 33	102 x 74 x 34.5	104.3 x 73.7 x 31.5	104.3 x 73.7 x 31.5	104.3 x 73.7 x 31.5	101.8 x 73.1 x 29.7
Prepared for VESA standard wall mounting mm	200 x 200	200 x 200	200 x 200	200 x 200	200 x 200	200 x 200

Technical data supplied without liability.

Special for Nordic Countries

LCD TELEVISION SETS	VISION 6 42-6950	VISION 9 37-9980 T USB	VISION 7 37-7975 T/C	VISION 7 37-7950 T	VISION ECO 37-6944 T	VISION ECO 37-6944 T/C
Catalogue page	17	11	15	15	19	19
PICTURE						
Display	Active Matrix TFT-LC-Display	Active Matrix TFT-LC-Display	Active Matrix TFT-LC-Display	Active Matrix TFT-LC-Display	Active Matrix TFT-LC-Display	Active Matrix TFT-LC-Display
Screen diagonal inches	42	37	37	37	37	37
16:9 wide-screen format	•	•	•	•	•	•
Response time approx. ms	6.5	6	5	5	6.5	6.5
Brightness approx. cd/m2	400	500	500	500	430	430
Contrast ratio approx.	40000 : 1 [Dynamic Contrast Plus]	70000 : 1 [Dynamic Contrast Plus]	50000 : 1 [Dynamic Contrast Plus]	50000 : 1 [Dynamic Contrast Plus]	20000 : 1 [Dynamic Contrast Plus]	20000 : 1 [Dynamic Contrast Plus]
Viewing angle approx.	Super Wide	Super Wide	Super Wide	Super Wide	Super Wide	Super Wide
Resolution RGB pixel	WUXGA 1920 x 1080	WUXGA 1920 x 1080	WUXGA 1920 x 1080	WUXGA 1920 x 1080	WUXGA 1920 x 1080	WUXGA 1920 x 1080
Full HD	•	•	•	•	•	•
HD ready	•	•	•	•	•	•
200 Hz technology	-	•	-	-	-	-
100 Hz technology	-	-	•	-	-	-
Motion Picture Improvement	-	•	•	-	-	-
Perfect Picture Plus technology	•	•	•	•	•	•
Digital combfilter [3-D]	•	•	•	•	•	•
Digital Colour Transition Improvement [DCTI]	•	•	•	•	•	•
Digital Luminance Transition Improvement [DLTI]	•	•	•	•	•	•
Digital Noise Reduction [DNR]	•	•	•	•	•	•
INTEGRATED DVB-T RECEPTION						
Digital TV reception via antenna [DVB-T]	-	•	• MPEG 2 + MPEG 4	•	• MPEG 2 + MPEG 4	• MPEG 2 + MPEG 4
Digital TV reception via satellite [DVB-S]	to retrofit by DSR 1975 HDTV or DSR 1750	to retrofit by DSR 1975 HDTV or DSR 1750	to retrofit by DSR 1975 HDTV or DSR 1750	to retrofit by DSR 1975 HDTV or DSR 1750	to retrofit by DSR 1975 HDTV or DSR 1750	to retrofit by DSR 1975 HDTV or DSR 1750
Digital TV reception via cable [DVB-C]	-	-	• MPEG 2 + MPEG 4	-	-	• MPEG 2 + MPEG 4
ELECTRONICS						
PAT - splitted screen [picture / text]	•	•	•	•	•	•
Programme memory TV / AV	100 analog / AV	100 [1000 DVB-T] / 11	100 analog / 400 digital / AV	100 analog / 400 digital / AV	100 analog / 400 digital / AV	100 analog / 400 digital / AV
Videotext / memory	• / 1000	• / 1000	• / 1000	• / 1000	• / 1000	• / 1000
TV standards	BG, I, DK/K', L/L', PAL, SECAM via AV: NTSC 4,43 + 3,58 MHz. A2 for B/G/D/K/I, Nicam 5,85 MHz [BG, L] + 6,52 MHz [I]	BG, I, DK/K', L/L', PAL, SECAM via AV: NTSC 4,43 + 3,58 MHz. A2 for B/G/D/K/I, Nicam 5,85 MHz [BG, L] + 6,52 MHz [I]	BG, I, DK/K', L/L', PAL, SECAM via AV: NTSC 4,43 + 3,58 MHz. A2 for B/G/D/K/I, Nicam 5,85 MHz [BG, L] + 6,52 MHz [I]	BG, I, DK/K', L/L', PAL, SECAM via AV: NTSC 4,43 + 3,58 MHz. A2 for B/G/D/K/I, Nicam 5,85 MHz [BG, L] + 6,52 MHz [I]	BG, I, DK/K', L/L', PAL, SECAM via AV: NTSC 4,43 + 3,58 MHz. A2 for B/G/D/K/I, Nicam 5,85 MHz [BG, L] + 6,52 MHz [I]	BG, I, DK/K', L/L', PAL, SECAM via AV: NTSC 4,43 + 3,58 MHz. A2 for B/G/D/K/I, Nicam 5,85 MHz [BG, L] + 6,52 MHz [I]
Control keys on set	•	•	•	•	•	•
Infrared remote control	TP 2	TP 1	TP 3	TP 3	TP 3	TP 3
SOUND						
Music / nominal output approx. W	2-channel 20 / 10	music output max. 120 watts	2-channel 20 / 10	2-channel 20 / 10	2-channel 20 / 10	2-channel 20 / 10
Sound projector	-	•	-	-	-	-
Virtual Dolby Surround	-	•	-	-	-	-
SRS TruSurround	•	-	•	•	•	•
Loudspeakers	2 wide band + 2 tweeter, front	16 wide band, front + 2 woofer, rear	2 wide band + 2 tweeter, front	2 wide band + 2 tweeter, front	2 wide band + 2 tweeter, front	2 wide band + 2 tweeter, front
CONNECTIONS / SOCKETS						
HDMI	2x	2x rear; 2x lateral [all in 1.3 CEC standard]	2x rear; 2x lateral	3x	3x	3x
HDCP	• [via HDMI]	• [via HDMI]	• [via HDMI]	• [via HDMI]	• [via HDMI]	• [via HDMI]
USB 2.0	-	•	• [USB recording]	•	•	•
Euro-AV socket / RGB and S-video suitable	1x / RGB, S-video	2x / 1x RGB, 1x S-video	1x / RGB, S-video	1x / RGB, S-video	1x / RGB, S-video	1x / RGB, S-video
YUV sockets	• [3x Cinch video, 2x Cinch audio]	• [3x Cinch video, 2x Cinch audio]	• [3x Cinch video, 2x Cinch audio]	• [3x Cinch video, 2x Cinch audio]	• [3x Cinch video, 2x Cinch audio]	• [3x Cinch video, 2x Cinch audio]
S-video input [hosiden]	•	• [lateral]	• [lateral]	•	•	•
Cinch-AV sockets	•	• [lateral]	• [lateral]	•	•	•
VGA interface for PC	• [Multisync WXGA]	• [Multisync WXGA]	• [Multisync WXGA]	• [Multisync WXGA]	• [Multisync WXGA]	• [Multisync WXGA]
SPDIF out	• [coaxial]	• [coaxial]	• [coaxial]	• [coaxial]	• [coaxial]	• [coaxial]
Subwoofer out	-	•	-	-	-	-
Headphones socket [Ø 3,5 mm]	•	• [lateral]	• [lateral]	•	•	•
Common interface [CA modules]	-	-	•	•	•	•
12 V DC connector	-	-	-	-	-	-
MAINS UNIT						
Voltage [regulated], frequency 50/60 Hz	V- 230	230	230	230	230	230
Integrated supply	•	•	•	•	•	•
Power consumption max. / stand-by approx. W	200 / <-1	200 / <-1	200 / <-1	170 / <-1	100 / <-0.1 [ECO stand-by]	100 / <-0.1 [ECO stand-by]
WEIGHT						
Weight approx. kg	23.2	23	18.5	18.5	18.5	18.9
DIMENSIONS						
W x H x D without pedestal approx. cm	104.3 x 69.5 x 11.5	91.2 x 64.5 x 11.5	93 x 62.5 x 11.5	93 x 62.5 x 11.5	93 x 62.5 x 11.5	91.2 x 61.9 x 8.9
W x H x D with pedestal approx. cm	104.3 x 73.7 x 31.5	91.2 x 68 x 33	93 x 67 x 25	93 x 67 x 25	93 x 67 x 25	91.2 x 66.3 x 25
Prepared for VESA standard wall mounting mm	200 x 200	200 x 200	200 x 200	200 x 200	200 x 200	200 x 200

Technical data supplied without liability.

Special for Nordic Countries

LCD TELEVISION SETS	VISION 6 37-6950	VISION 9 32-9970 T/C	VISION 9 32-9930 T	VISION 7 32-7975 T/C	VISION 7 32-7950 T	VISION ECO 32-6944 T/C
Catalogue page	16	10	10	15	15	19
PICTURE						
Display	Active Matrix TFT-LC-Display	Active Matrix TFT-LC-Display	Active Matrix TFT-LC-Display	Active Matrix TFT-LC-Display	Active Matrix TFT-LC-Display	Active Matrix TFT-LC-Display
Screen diagonal inches	37	32	32	32	32	32
16:9 wide-screen format	•	•	•	•	•	•
Response time approx. ms	6.5	6	8	6	8	6.5
Brightness approx. cd/m2	400	500	450	500	470	370
Contrast ratio approx.	40000 : 1 (Dynamic Contrast Plus)	50000 : 1 (Dynamic Contrast Plus)	50000 : 1 (Dynamic Contrast Plus)	50000 : 1 (Dynamic Contrast Plus)	40000 : 1 (Dynamic Contrast Plus)	20000 : 1 (Dynamic Contrast Plus)
Viewing angle approx.	Super Wide	Super Wide	Super Wide	Super Wide	Super Wide	Super Wide
Resolution RGB pixel	WUXGA 1920 x 1080	WUXGA 1920 x 1080	WXGA 1366 x 768	WUXGA 1920 x 1080	WUXGA 1920 x 1080	WUXGA 1920 x 1080
Full HD	•	•	-	•	•	•
HD ready	•	•	•	•	•	•
200 Hz technology	-	-	-	-	-	-
100 Hz technology	-	•	-	•	-	-
Motion Picture Improvement	-	•	-	•	-	-
Perfect Picture Plus technology	•	•	•	•	•	•
Digital combfilter (3-D)	•	•	•	•	•	•
Digital Colour Transition Improvement (DCTI)	•	•	•	•	•	•
Digital Luminance Transition Improvement (DLTI)	•	•	•	•	•	•
Digital Noise Reduction (DNR)	•	•	•	•	•	•
INTEGRATED DVB-T RECEPTION						
Digital TV reception via antenna (DVB-T)	-	• MPEG 2 + MPEG 4	•	• MPEG 2 + MPEG 4	•	• MPEG 2 + MPEG 4
Digital TV reception via satellite (DVB-S)	to retrofit by DSR 1975 HDTV or DSR 1750	to retrofit by DSR 1975 HDTV or DSR 1750	to retrofit by DSR 1975 HDTV or DSR 1750	to retrofit by DSR 1975 HDTV or DSR 1750	to retrofit by DSR 1975 HDTV or DSR 1750	to retrofit by DSR 1975 HDTV or DSR 1750
Digital TV reception via cable (DVB-C)	-	• MPEG 2 + MPEG 4	-	• MPEG 2 + MPEG 4	-	• MPEG 2 + MPEG 4
ELECTRONICS						
PAT - splitted screen (picture / text)	•	•	•	•	•	•
Programme memory TV / AV	100 analog / AV	100 analog / 400 digital / AV	100 analog / 400 digital / AV	100 analog / 400 digital / AV	100 analog / 400 digital / AV	100 analog / 400 digital / AV
Videotext / memory	• / 1000	• / 1000	• / 1000	• / 1000	• / 1000	• / 1000
TV standards	BG, I, DK/K', L/L': PAL, SECAM via AV: NTSC 4,43 + 3,58 MHz. A2 for B/G/D/K/I, Nicam 5,85 MHz [BG, L] + 6,52 MHz (I)	BG, I, DK/K', L/L': PAL, SECAM via AV: NTSC 4,43 + 3,58 MHz. A2 for B/G/D/K/I, Nicam 5,85 MHz [BG, L] + 6,52 MHz (I)	BG, I, DK/K', L/L': PAL, SECAM via AV: NTSC 4,43 + 3,58 MHz. A2 für B/G/D/K/I, Nicam 5,85 MHz [BG, L] + 6,52 MHz (I)	BG, I, DK/K', L/L': PAL, SECAM via AV: NTSC 4,43 + 3,58 MHz. A2 for B/G/D/K/I, Nicam 5,85 MHz [BG, L] + 6,52 MHz (I)	BG, I, DK/K', L/L': PAL, SECAM via AV: NTSC 4,43 + 3,58 MHz. A2 for B/G/D/K/I, Nicam 5,85 MHz [BG, L] + 6,52 MHz (I)	BG, I, DK/K', L/L': PAL, SECAM via AV: NTSC 4,43 + 3,58 MHz. A2 for B/G/D/K/I, Nicam 5,85 MHz [BG, L] + 6,52 MHz (I)
Control keys on set	•	•	•	•	•	•
Infrared remote control	TP 2	TP 3	TP 2	TP 3	TP 3	TP 3
SOUND						
Music / nominal output approx. W	2-channel 20 / 10	2-channel 20 / 10	2-channel 20 / 10	2-channel 20 / 10	2-channel 20 / 10	2-channel 20 / 10
Sound projector	-	-	-	-	-	-
Virtual Dolby Surround	-	-	-	-	-	-
SRS TruSurround	•	•	•	•	•	•
Loudspeakers	2 wide band + 2 tweeter, front	2 wide band + 2 tweeter, front	2 wide band, front	2 wide band + 2 tweeter, front	2 wide band, front	2 wide band, front
CONNECTIONS / SOCKETS						
HDMI	2x	4x	3x	2x rear; 2x lateral	3x	3x
HDCP	• [via HDMI]	• [via HDMI]	• [via HDMI]	• [via HDMI]	• [via HDMI]	• [via HDMI]
USB 2.0	-	• [USB recording]	•	• [USB recording]	•	•
Euro-AV socket / RGB and S-video suitable	1x / RGB, S-video	1x / RGB, S-video	1x / RGB, S-video	1x / RGB, S-video	1x / RGB, S-video	1x / RGB, S-video
YUV sockets	• [3x Cinch video, 2x Cinch audio]	• [3x Cinch video, 2x Cinch audio]	• [3x Cinch video, 2x Cinch audio]	• [3x Cinch video, 2x Cinch audio]	• [3x Cinch video, 2x Cinch audio]	• [3x Cinch video, 2x Cinch audio]
S-video input (hosiden)	•	•	•	• [lateral]	•	•
Cinch-AV sockets	•	•	•	• [lateral]	•	•
VGA interface for PC	• [Multisync WXGA]	• [Multisync WXGA]	• [Multisync WXGA]	• [Multisync WXGA]	• [Multisync WXGA]	• [Multisync WXGA]
SPDIF out	• [coaxial]	• [coaxial]	• [coaxial]	• [coaxial]	• [coaxial]	• [coaxial]
Subwoofer out	-	-	-	-	-	-
Headphones socket (Ø 3,5 mm)	•	•	•	• [lateral]	•	•
Common interface (CA modules)	-	•	•	•	•	•
12 V DC connector	-	-	-	-	-	-
MAINS UNIT						
Voltage [regulated], frequency 50/60 Hz	V- 230	230	230	230	230	230
Integrated supply	•	•	•	•	•	•
Power consumption max. / stand-by approx. W	170 / <-1	150 / <-1	130 / <-1	140 / <-1	140 / <-1	75 / <-0.1 (ECO stand-by)
WEIGHT						
Weight approx. kg	18.5	11	11	11.8	11.8	12.8
DIMENSIONS						
W x H x D without pedestal approx. cm	93 x 62.5 x 11.5	79 x 51.8 x 8	79 x 51.8 x 8	80 x 55.2 x 11	80 x 55.2 x 11	79.5 x 54.5 x 8.1
W x H x D with pedestal approx. cm	93 x 67 x 25	79 x 56.5 x 20	79 x 56.5 x 20	80 x 59.5 x 20	80 x 59.5 x 20	79.5 x 59 x 20.7
Prepared for VESA standard wall mounting mm	200 x 200	200 x 200	200 x 200	200 x 200	200 x 200	200 x 200

Technical data supplied without liability.

Special for Nordic Countries

LCD TELEVISION SETS	VISION ECO 32-6950 T	VISION 6 32-6940 T	VISION 6 32-6930 T	VISION 6 32-6950	VISION 6 32-6920	VISION 3 32-3942 T/C
Catalogue page	19	16	17	16	16	20
PICTURE						
Display	Active Matrix TFT-LC-Display	Active Matrix TFT-LC-Display	Active Matrix TFT-LC-Display	Active Matrix TFT-LC-Display	Active Matrix TFT-LC-Display	Active Matrix TFT-LC-Display
Screen diagonal inches	32	32	32	32	32	32
16:9 wide-screen format	•	•	•	•	•	•
Response time approx. ms	6.5	8	8	6.5	8	8
Brightness approx. cd/m ²	370	450	450	400	450	450
Contrast ratio approx.	20000 : 1 (Dynamic Contrast Plus)	30000 : 1 (Dynamic Contrast Plus)	30000 : 1 (Dynamic Contrast Plus)	30000 : 1 (Dynamic Contrast Plus)	30000 : 1 (Dynamic Contrast Plus)	20000 : 1 (Dynamic Contrast Plus)
Viewing angle approx.	Super Wide	Super Wide	Super Wide	Super Wide	Super Wide	Super Wide
Resolution RGB pixel	WXGA 1920 x 1080	WXGA 1366 x 768	WXGA 1366 x 768	WXGA 1920 x 1080	WXGA 1366 x 768	WXGA 1366 x 768
Full HD	•	-	-	•	-	-
HD ready	•	•	•	•	•	•
200 Hz technology	-	-	-	-	-	-
100 Hz technology	-	-	-	-	-	-
Motion Picture Improvement	-	-	-	-	-	-
Perfect Picture Plus technology	•	•	•	•	•	•
Digital combfilter (3-D)	•	•	•	•	•	•
Digital Colour Transition Improvement (DCTI)	•	•	•	•	•	•
Digital Luminance Transition Improvement (DLTI)	•	•	•	•	•	•
Digital Noise Reduction (DNR)	•	•	•	•	•	•
INTEGRATED DVB-T RECEPTION						
Digital TV reception via antenna (DVB-T)	• MPEG 2 + MPEG 4	• MPEG 2 + MPEG 4	•	-	-	• MPEG 2 + MPEG 4
Digital TV reception via satellite (DVB-S)	to retrofit by DSR 1975 HDTV or DSR 1750	to retrofit by DSR 1975 HDTV or DSR 1750	to retrofit by DSR 1975 HDTV or DSR 1750	to retrofit by DSR 1975 HDTV or DSR 1750	to retrofit by DSR 1975 HDTV or DSR 1750	to retrofit by DSR 1975 HDTV or DSR 1750
Digital TV reception via cable (DVB-C)	-	-	-	-	-	• MPEG 2 + MPEG 4
ELECTRONICS						
PAT - splitted screen (picture / text)	•	•	•	•	•	•
Programme memory TV / AV	100 analog / 400 digital / AV	100 analog / 400 digital / AV	100 analog / 400 digital / AV	100 analog / AV	100 analog / AV	100 analog / 400 digital / AV
Videotext / memory	• / 1000	• / 1000	• / 1000	• / 1000	• / 1000	• / 1000
TV standards	BG, I, DK/K', L/L': PAL, SECAM via AV: NTSC 4,43 + 3,58 MHz. A2 for B/G/D/K/I, Nicam 5,85 MHz [BG, L] + 6,52 MHz (I)	BG, I, DK/K', L/L': PAL, SECAM via AV: NTSC 4,43 + 3,58 MHz. A2 für B/G/D/K/I, Nicam 5,85 MHz [BG, L] + 6,52 MHz (I)	BG, I, DK/K', L/L': PAL, SECAM via AV: NTSC 4,43 + 3,58 MHz. A2 für B/G/D/K/I, Nicam 5,85 MHz [BG, L] + 6,52 MHz (I)	BG, I, DK/K', L/L': PAL, SECAM via AV: NTSC 4,43 + 3,58 MHz. A2 for B/G/D/K/I, Nicam 5,85 MHz [BG, L] + 6,52 MHz (I)	BG, I, DK/K', L/L': PAL, SECAM via AV: NTSC 4,43 + 3,58 MHz. A2 for B/G/D/K/I, Nicam 5,85 MHz [BG, L] + 6,52 MHz (I)	BG, I, DK/K', L/L': PAL, SECAM via AV: NTSC 4,43 + 3,58 MHz. A2 für B/G/D/K/I, Nicam 5,85 MHz [BG, L] + 6,52 MHz (I)
Control keys on set	•	•	•	•	•	•
Infrared remote control	TP 3	TP 3	TP 2	TP 2	TP 2	TP 3
SOUND						
Music / nominal output approx. W	2-channel 20 / 10	2-channel 20 / 10	2-channel 20 / 10	2-channel 20 / 10	2-channel 20 / 10	2-channel 20 / 10
Sound projector	-	-	-	-	-	-
Virtual Dolby Surround	-	-	-	-	-	-
SRS TruSurround	•	•	•	•	•	-
Loudspeakers	2 wide band, front	2 wide band, front	2 wide band, front	2 wide band + 2 tweeter, front	2 wide band + 2 tweeter, front	2 wide band, front
CONNECTIONS / SOCKETS						
HDMI	3x	3x	3x	2x	3x	3x
HDCP	• [via HDMI]	• [via HDMI]	• [via HDMI]	• [via HDMI]	• [via HDMI]	• [via HDMI]
USB 2.0	•	•	•	-	-	-
Euro-AV socket / RGB and S-video suitable	1x / RGB, S-video	1x / RGB, S-video	1x / RGB, S-video	1x / RGB, S-video	1x / RGB, S-video	1x / RGB, S-video
YUV sockets	• [3x Cinch video, 2x Cinch audio]	• [3x Cinch video, 2x Cinch audio]	• [3x Cinch video, 2x Cinch audio]	• [3x Cinch video, 2x Cinch audio]	• [3x Cinch video, 2x Cinch audio]	• [3x Cinch video, 2x Cinch audio]
S-video input (hosiden)	•	•	•	•	•	•
Cinch-AV sockets	•	•	•	•	•	•
VGA interface for PC	• [Multisync WXGA]	• [Multisync WXGA]	• [Multisync WXGA]	• [Multisync WXGA]	• [Multisync WXGA]	• [Multisync WXGA]
SPDIF out	• [coaxial]	• [coaxial]	• [coaxial]	• [coaxial]	• [coaxial]	• [coaxial]
Subwoofer out	-	-	-	-	-	-
Headphones socket (Ø 3,5 mm)	•	•	•	•	•	•
Common interface (CA modules)	•	•	•	-	-	•
12 V DC connector	-	-	-	-	-	-
MAINS UNIT						
Voltage [regulated], frequency 50/60 Hz	V- 230	230	230	230	230	230
Integrated supply	•	•	•	•	•	•
Power consumption max. / stand-by approx. W	75 / <-0.1 [ECO stand-by]	140 / <-1	130 / <-1	130 / <-1	140 / <-1	140 / <-1
WEIGHT						
Weight approx. kg	11.8	11.8	11.8	11.8	11.8	11
DIMENSIONS						
W x H x D without pedestal approx. cm	80 x 55.2 x 11	80 x 55.2 x 11	80 x 55.2 x 11	80 x 55.2 x 11	80 x 55.2 x 11	79 x 51.8 x 8
W x H x D with pedestal approx. cm	80 x 59.5 x 20	80 x 59.5 x 20	80 x 59.5 x 20	80 x 59.5 x 20	80 x 59.5 x 20	79 x 56.5 x 20
Prepared for VESA standard wall mounting mm	200 x 200	200 x 200	200 x 200	200 x 200	200 x 200	200 x 200

Technical data supplied without liability.

LCD TELEVISION SETS	VISION 3 32-3941 T	VISION 3 32-3931 T	VISION 3 32-3921	VISION 9 26-9940 T/C	VISION 9 26-9930 T	VISION 6 26-6940 T
Catalogue page	20	20	20	10	10	16
PICTURE						
Display	Active Matrix TFT-LC-Display	Active Matrix TFT-LC-Display	Active Matrix TFT-LC-Display	Active Matrix TFT-LC-Display	Active Matrix TFT-LC-Display	Active Matrix TFT-LC-Display
Screen diagonal inches	32	32	32	26	26	26
16:9 wide-screen format	•	•	•	•	•	•
Response time approx. ms	8	8	8	8	8	8
Brightness approx. cd/m2	450	450	450	450	450	450
Contrast ratio approx.	20000 : 1 (Dynamic Contrast Plus)	20000 : 1 (Dynamic Contrast Plus)	20000 : 1 (Dynamic Contrast Plus)	20000 : 1 (Dynamic Contrast Plus)	20000 : 1 (Dynamic Contrast Plus)	20000 : 1 (Dynamic Contrast Plus)
Viewing angle approx.	Super Wide	Super Wide	Super Wide	Super Wide	Super Wide	Super Wide
Resolution RGB pixel	WXGA 1366 x 768	WXGA 1366 x 768	WXGA 1366 x 768	WXGA 1366 x 768	WXGA 1366 x 768	WXGA 1366 x 768
Full HD	-	-	-	-	-	-
HD ready	•	•	•	•	•	•
200 Hz technology	-	-	-	-	-	-
100 Hz technology	-	-	-	-	-	-
Motion Picture Improvement	-	-	-	-	-	-
Perfect Picture Plus technology	•	•	•	•	•	•
Digital combfilter (3-D)	•	•	•	•	•	•
Digital Colour Transition Improvement (DCTI)	•	•	•	•	•	•
Digital Luminance Transition Improvement (DLTI)	•	•	•	•	•	•
Digital Noise Reduction (DNR)	•	•	•	•	•	•
INTEGRATED DVB-T RECEPTION						
Digital TV reception via antenna (DVB-T)	• MPEG 2 + MPEG 4	•	-	• MPEG 2 + MPEG 4	•	• MPEG 2 + MPEG 4
Digital TV reception via satellite (DVB-S)	to retrofit by DSR 1975 HDTV or DSR 1750	to retrofit by DSR 1975 HDTV or DSR 1750	to retrofit by DSR 1975 HDTV or DSR 1750	to retrofit by DSR 1975 HDTV or DSR 1750	to retrofit by DSR 1975 HDTV or DSR 1750	to retrofit by DSR 1975 HDTV or DSR 1750
Digital TV reception via cable (DVB-C)	-	-	-	• MPEG 2 + MPEG 4	-	-
ELECTRONICS						
PAT - splitted screen (picture / text)	•	•	•	•	•	•
Programme memory TV / AV	100 analog / 400 digital / AV	100 analog / 400 digital / AV	100 analog / AV	100 analog / 400 digital / AV	100 analog / 400 digital / AV	100 analog / 400 digital / AV
Videotext / memory	• / 1000	• / 1000	• / 1000	• / 1000	• / 1000	• / 1000
TV standards	BG, I, DK/K', L/L': PAL, SECAM via AV: NTSC 4,43 + 3,58 MHz. A2 für B/G/D/K/I, Nicam 5,85 MHz [BG, L] + 6,52 MHz (I)	BG, I, DK/K', L/L': PAL, SECAM via AV: NTSC 4,43 + 3,58 MHz. A2 für B/G/D/K/I, Nicam 5,85 MHz [BG, L] + 6,52 MHz (I)	BG, I, DK/K', L/L': PAL, SECAM via AV: NTSC 4,43 + 3,58 MHz. A2 für B/G/D/K/I, Nicam 5,85 MHz [BG, L] + 6,52 MHz (I)	BG, I, DK/K', L/L': PAL, SECAM via AV: NTSC 4,43 + 3,58 MHz. A2 für B/G/D/K/I, Nicam 5,85 MHz [BG, L] + 6,52 MHz (I)	BG, I, DK/K', L/L': PAL, SECAM via AV: NTSC 4,43 + 3,58 MHz. A2 für B/G/D/K/I, Nicam 5,85 MHz [BG, L] + 6,52 MHz (I)	BG, I, DK/K', L/L': PAL, SECAM via AV: NTSC 4,43 + 3,58 MHz. A2 für B/G/D/K/I, Nicam 5,85 MHz [BG, L] + 6,52 MHz (I)
Control keys on set	•	•	•	•	•	•
Infrared remote control	TP 3	TP 2	TP 2	TP 3	TP 2	TP 3
SOUND						
Music / nominal output approx. W	2-channel 20 / 10	2-channel 20 / 10	2-channel 20 / 10	2-channel 14 / 7	2-channel 14 / 7	2-channel 14 / 7
Sound projector	-	-	-	-	-	-
Virtual Dolby Surround	-	-	-	-	-	-
SRS TruSurround	-	-	-	•	•	•
Loudspeakers	2 wide band, front	2 wide band, front	2 wide band + 2 tweeter, front	2 wide band + 2 tweeter, front	2 wide band, front	2 wide band, front
CONNECTIONS / SOCKETS						
HDMI	2x	2x	3x	4x	3x	3x
HDCP	• [via HDMI]	• [via HDMI]	• [via HDMI]	• [via HDMI]	• [via HDMI]	• [via HDMI]
USB 2.0	-	-	-	• [USB recording]	•	•
Euro-AV socket / RGB and S-video suitable	1x / RGB, S-video	1x / RGB, S-video	1x / RGB, S-video	1x / RGB, S-video	1x / RGB, S-video	1x / RGB, S-video
YUV sockets	• [3x Cinch video, 2x Cinch audio]	• [3x Cinch video, 2x Cinch audio]	• [3x Cinch video, 2x Cinch audio]	• [3x Cinch video, 2x Cinch audio]	• [3x Cinch video, 2x Cinch audio]	• [3x Cinch video, 2x Cinch audio]
S-video input (hosiden)	•	•	•	•	•	•
Cinch-AV sockets	•	•	•	•	•	•
VGA interface for PC	• [Multisync WXGA]	• [Multisync WXGA]	• [Multisync WXGA]	• [Multisync WXGA]	• [Multisync WXGA]	• [Multisync WXGA]
SPDIF out	• [coaxial]	• [coaxial]	-	• [coaxial]	• [coaxial]	• [coaxial]
Subwoofer out	-	-	-	-	-	-
Headphones socket (Ø 3,5 mm)	•	•	•	•	•	•
Common interface (CA modules)	•	•	•	•	•	•
12 V DC connector	-	-	-	-	-	-
MAINS UNIT						
Voltage [regulated], frequency 50/60 Hz	V- 230	230	230	230	230	230
Integrated supply	•	•	•	•	•	•
Power consumption max. / stand-by approx. W	140 / <-1	130 / <-1	140 / <-1	100 / <-1	100 / <-1	100 / <-1
WEIGHT						
Weight approx. kg	11	11	11	8,4	8,4	8,8
DIMENSIONS						
W x H x D without pedestal approx. cm	79 x 51,8 x 8	79 x 51,8 x 8	79 x 51,8 x 8	66 x 43,7 x 8	66 x 43,7 x 8	66,5 x 45,8 x 9,9
W x H x D with pedestal approx. cm	79 x 56,5 x 20	79 x 56,5 x 20	79 x 56,5 x 20	66 x 48,5 x 20,5	66 x 48,5 x 20,5	66,5 x 49 x 17,8
Prepared for VESA standard wall mounting mm	200 x 200	200 x 200	200 x 200	100 x 100	100 x 100	100 x 100

Technical data supplied without liability.

LCD TELEVISION SETS	VISION 6 26-6930 T	VISION 6 26-6920	VISION 3 26-3942 T/C	VISION 3 26-3941 T	VISION 3 26-3931 T	VISION 3 26-3921
Catalogue page	16	16	20	20	20	20
PICTURE						
Display	Active Matrix TFT-LC-Display	Active Matrix TFT-LC-Display	Active Matrix TFT-LC-Display	Active Matrix TFT-LC-Display	Active Matrix TFT-LC-Display	Active Matrix TFT-LC-Display
Screen diagonal inches	26	26	26	26	26	26
16:9 wide-screen format	•	•	•	•	•	•
Response time approx. ms	8	8	6.5	6.5	6.5	6.5
Brightness approx. cd/m2	450	450	450	450	450	450
Contrast ratio approx.	20000 : 1 (Dynamic Contrast Plus)	20000 : 1 (Dynamic Contrast Plus)	20000 : 1 (Dynamic Contrast Plus)	20000 : 1 (Dynamic Contrast Plus)	20000 : 1 (Dynamic Contrast Plus)	20000 : 1 (Dynamic Contrast Plus)
Viewing angle approx.	Super Wide	Super Wide	Super Wide	Super Wide	Super Wide	Super Wide
Resolution RGB pixel	WXGA 1366 x 768	WXGA 1366 x 768	WXGA 1366 x 768	WXGA 1366 x 768	WXGA 1366 x 768	WXGA 1366 x 768
Full HD	-	-	-	-	-	-
HD ready	•	•	•	•	•	•
200 Hz technology	-	-	-	-	-	-
100 Hz technology	-	-	-	-	-	-
Motion Picture Improvement	-	-	-	-	-	-
Perfect Picture Plus technology	•	•	•	•	•	•
Digital combfilter (3-D)	•	•	•	•	•	•
Digital Colour Transition Improvement (DCTI)	•	•	•	•	•	•
Digital Luminance Transition Improvement (DLTI)	•	•	•	•	•	•
Digital Noise Reduction (DNR)	•	•	•	•	•	•
INTEGRATED DVB-T RECEPTION						
Digital TV reception via antenna (DVB-T)	•	-	• MPEG 2 + MPEG 4	• MPEG 2 + MPEG 4	•	-
Digital TV reception via satellite (DVB-S)	to retrofit by DSR 1975 HDTV or DSR 1750	to retrofit by DSR 1975 HDTV or DSR 1750	to retrofit by DSR 1975 HDTV or DSR 1750	to retrofit by DSR 1975 HDTV or DSR 1750	to retrofit by DSR 1975 HDTV or DSR 1750	to retrofit by DSR 1975 HDTV or DSR 1750
Digital TV reception via cable (DVB-C)	-	-	• MPEG 2 + MPEG 4	-	-	-
ELECTRONICS						
PAT - splitted screen (picture / text)	•	•	•	•	•	•
Programme memory TV / AV	100 analog / 400 digital / AV	100 analog / AV	100 analog / 400 digital / AV	100 analog / 400 digital / AV	100 analog / 400 digital / AV	100 analog / AV
Videotext / memory	• / 1000	• / 1000	• / 1000	• / 1000	• / 1000	• / 1000
TV standards	BG, I, DK/K', L/L', PAL, SECAM via AV: NTSC 4,43 + 3,58 MHz. A2 für B/G/D/K/I, Nicam 5,85 MHz [BG, L] + 6,52 MHz (I)	BG, I, DK/K', L/L', PAL, SECAM via AV: NTSC 4,43 + 3,58 MHz. A2 für B/G/D/K/I, Nicam 5,85 MHz [BG, L] + 6,52 MHz (I)	BG, I, DK/K', L/L', PAL, SECAM via AV: NTSC 4,43 + 3,58 MHz. A2 für B/G/D/K/I, Nicam 5,85 MHz [BG, L] + 6,52 MHz (I)	BG, I, DK/K', L/L', PAL, SECAM via AV: NTSC 4,43 + 3,58 MHz. A2 für B/G/D/K/I, Nicam 5,85 MHz [BG, L] + 6,52 MHz (I)	BG, I, DK/K', L/L', PAL, SECAM via AV: NTSC 4,43 + 3,58 MHz. A2 für B/G/D/K/I, Nicam 5,85 MHz [BG, L] + 6,52 MHz (I)	BG, I, DK/K', L/L', PAL, SECAM via AV: NTSC 4,43 + 3,58 MHz. A2 für B/G/D/K/I, Nicam 5,85 MHz [BG, L] + 6,52 MHz (I)
Control keys on set	•	•	•	•	•	•
Infrared remote control	TP 2	TP 2	TP 3	TP 3	TP 2	TP 2
SOUND						
Music / nominal output approx. W	2-channel 14 / 7	2-channel 14 / 7	2-channel 14 / 7	2-channel 14 / 7	2-channel 14 / 7	2-channel 14 / 7
Sound projector	-	-	-	-	-	-
Virtual Dolby Surround	-	-	-	-	-	-
SRS TruSurround	•	•	•	•	•	•
Loudspeakers	2 wide band, front	2 wide band + 2 tweeter, front	2 wide band, front	2 wide band, front	2 wide band, front	2 wide band + 2 tweeter, front
CONNECTIONS / SOCKETS						
HDMI	3x	3x	3x	2x	2x	3x
HDCP	• [via HDMI]	• [via HDMI]	• [via HDMI]	• [via HDMI]	• [via HDMI]	• [via HDMI]
USB 2.0	•	-	-	-	-	-
Euro-AV socket / RGB and S-video suitable	1x / RGB, S-video	1x / RGB, S-video	1x / RGB, S-video	1x / RGB, S-video	1x / RGB, S-video	1x / RGB, S-video
YUV sockets	• [3x Cinch video, 2x Cinch audio]	• [3x Cinch video, 2x Cinch audio]	• [3x Cinch video, 2x Cinch audio]	• [3x Cinch video, 2x Cinch audio]	• [3x Cinch video, 2x Cinch audio]	• [3x Cinch video, 2x Cinch audio]
S-video input (hosiden)	•	•	•	•	•	•
Cinch-AV sockets	•	•	•	•	•	•
VGA interface for PC	• [Multisync WXGA]	• [Multisync WXGA]	• [Multisync WXGA]	• [Multisync WXGA]	• [Multisync WXGA]	• [Multisync WXGA]
SPDIF out	• [coaxial]	-	• [coaxial]	• [coaxial]	• [coaxial]	-
Subwoofer out	-	-	-	-	-	-
Headphones socket (Ø 3,5 mm)	•	•	•	•	•	•
Common interface (CA modules)	•	-	•	•	•	-
12 V DC connector	-	-	-	-	-	-
MAINS UNIT						
Voltage [regulated], frequency 50/60 Hz	V- 230	230	230	230	230	230
Integrated supply	•	•	•	•	•	•
Power consumption max. / stand-by approx. W	100 / <=1	100 / <=1	100 / <=1	100 / <=1	100 / <=1	100 / <=1
WEIGHT						
Weight approx. kg	8,8	8,8	8,4	8,4	8,4	8,4
DIMENSIONS						
W x H x D without pedestal approx. cm	66,5 x 45,8 x 9,9	66,5 x 45,8 x 9,9	66 x 43,7 x 8	66 x 43,7 x 8	66 x 43,7 x 8	66 x 43,7 x 8
W x H x D with pedestal approx. cm	66,5 x 49 x 17,8	66,5 x 49 x 17,8	66 x 48,5 x 20,5	66 x 48,5 x 20,5	66 x 48,5 x 20,5	66 x 48,5 x 20,5
Prepared for VESA standard wall mounting mm	100 x 100	100 x 100	100 x 100	100 x 100	100 x 100	100 x 100

Technical data supplied without liability.

LCD TELEVISION SETS	VISION 6 22-6930 T	VISION 2 LED	VISION 2 22-2941 T/C	VISION 2 22-2940 T	VISION 2 22-2930 T	VISION 2 22-2920
Catalogue page	16	23	22	22	23	23
PICTURE						
Display	Active Matrix TFT-LC-Display	LED Dynamic Backlight LC-Display	Active Matrix TFT-LC-Display	Active Matrix TFT-LC-Display	Active Matrix TFT-LC-Display	Active Matrix TFT-LC-Display
Screen diagonal inches	22	22	21.6	21.6	21.6	21.6
16:9 wide-screen format	•	•	•	•	•	•
Response time approx. ms	5	6	5	5	5	5
Brightness approx. cd/m2	300	300	350	350	350	350
Contrast ratio approx.	1000 : 1	15000 : 1 (Dynamic Contrast Plus)	800 : 1	800 : 1	800 : 1	800 : 1
Viewing angle approx.	160° vertical, 160° horizontal	Super Wide	170° vertical, 160° horizontal	170° vertical, 160° horizontal	170° vertical, 160° horizontal	170° vertical, 160° horizontal
Resolution RGB pixel	WSXGA 1680 x 1050	WXGA 1366 x 768	WXGA 1366 x 768	WXGA 1366 x 768	WXGA 1366 x 768	WXGA 1366 x 768
Full HD	-	-	-	-	-	-
HD ready	•	•	•	•	•	•
200 Hz technology	-	-	-	-	-	-
100 Hz technology	-	-	-	-	-	-
Motion Picture Improvement	-	-	-	-	-	-
Perfect Picture Plus technology	•	•	•	•	•	•
Digital combfilter (3-D)	•	•	•	•	•	•
Digital Colour Transition Improvement (DCTI)	•	•	•	•	•	•
Digital Luminance Transition Improvement (DLTI)	•	•	•	•	•	•
Digital Noise Reduction (DNR)	•	•	•	•	•	•
INTEGRATED DVB-T RECEPTION						
Digital TV reception via antenna (DVB-T)	•	• MPEG 2 + MPEG 4	• MPEG 2 + MPEG 4	• MPEG 2 + MPEG 4	•	-
Digital TV reception via satellite (DVB-S)	to retrofit by DSR 1975 HDTV or DSR 1750	to retrofit by DSR 1975 HDTV or DSR 1750	to retrofit by DSR 1975 HDTV or DSR 1750	to retrofit by DSR 1975 HDTV or DSR 1750	to retrofit by DSR 1975 HDTV or DSR 1750	to retrofit by DSR 1975 HDTV or DSR 1750
Digital TV reception via cable (DVB-C)	-	-	• MPEG 2 + MPEG 4	-	-	-
ELECTRONICS						
PAT - splitted screen (picture / text)	•	•	•	•	•	•
Programme memory TV / AV	100 analog / 400 digital / AV	100 analog / 400 digital / AV	100 analog / 400 digital / AV	100 analog / 400 digital / AV	100 analog / 400 digital / AV	100 analog / 400 digital / AV
Videotext / memory	• / 1000	• / 1000	• / 1000	• / 1000	• / 1000	• / 1000
TV standards	BG, I, DK/K', L/L': PAL, SECAM via AV: NTSC 4,43 + 3,58 MHz. A2 for B/G/D/K/I, Nicam 5,85 MHz [BG, L] + 6,52 MHz (I)	BG, I, DK/K', L/L': PAL, SECAM via AV: NTSC 4,43 + 3,58 MHz. A2 for B/G/D/K/I, Nicam 5,85 MHz [BG, L] + 6,52 MHz (I)	BG, I, DK/K', L/L': PAL, SECAM via AV: NTSC 4,43 + 3,58 MHz. A2 for B/G/D/K/I, Nicam 5,85 MHz [BG, L] + 6,52 MHz (I)	BG, I, DK/K', L/L': PAL, SECAM via AV: NTSC 4,43 + 3,58 MHz. A2 for B/G/D/K/I, Nicam 5,85 MHz [BG, L] + 6,52 MHz (I)	BG, I, DK/K', L/L': PAL, SECAM via AV: NTSC 4,43 + 3,58 MHz. A2 for B/G/D/K/I, Nicam 5,85 MHz [BG, L] + 6,52 MHz (I)	BG, I, DK/K', L/L': PAL, SECAM via AV: NTSC 4,43 + 3,58 MHz. A2 for B/G/D/K/I, Nicam 5,85 MHz [BG, L] + 6,52 MHz (I)
Control keys on set	•	•	•	•	•	•
Infrared remote control	RC 23	RC 23	RC 23	RC 23	RC 23	RC 23
SOUND						
Music / nominal output approx. W	2-channel 12 / 6	2-channel 12 / 6	2-channel 12 / 6	2-channel 12 / 6	2-channel 12 / 6	2-channel 12 / 6
Sound projector	-	-	-	-	-	-
Virtual Dolby Surround	-	-	-	-	-	-
SRS TruSurround	-	-	-	-	-	-
Loudspeakers	2 wide band, front	2 wide band, front	2 wide band, front	2 wide band, front	2 wide band, front	2 wide band, front
CONNECTIONS / SOCKETS						
HDMI	1x	2x	2x	2x	1x	1x
HDCP	• [via HDMI]	• [via HDMI]	• [via HDMI]	• [via HDMI]	• [via HDMI]	• [via HDMI]
USB 2.0	•	•	•	•	•	-
Euro-AV socket / RGB and S-video suitable	1x / RGB, S-video	1x / RGB, S-video	1x / RGB, S-video	1x / RGB, S-video	1x / RGB, S-video	1x / RGB, S-video
YUV sockets	• [via VGA]	• [via VGA]	• [via VGA]	• [via VGA]	• [via VGA]	• [via VGA]
S-video input (hosiden)	-	-	-	-	-	-
Cinch-AV sockets	•	•	•	•	•	•
VGA interface for PC	• [Multisync WXGA]	• [Multisync WXGA]	• [Multisync WXGA]	• [Multisync WXGA]	• [Multisync WXGA]	• [Multisync WXGA]
SPDIF out	-	-	-	-	-	-
Subwoofer out	-	-	-	-	-	-
Headphones socket (Ø 3,5 mm)	•	•	•	•	•	•
Common interface (CA modules)	•	•	•	•	•	-
12 V DC connector	-	-	-	-	-	-
MAINS UNIT						
Voltage [regulated], frequency 50/60 Hz	V- 230	230	230	230	230	230
Integrated supply	•	•	•	•	•	•
Power consumption max. / stand-by approx. W	50 / <-1	TBD	45 / <-1	45 / <-1	45 / <-1	45 / <-1
WEIGHT						
Weight approx. kg	4,7	4,5	4,5	4,5	4,5	4,5
DIMENSIONS						
W x H x D without pedestal approx. cm	51,8 x 39 x 6,7	52,5 x 35,5 x 6,5	52,5 x 35,5 x 6,5	52,5 x 35,5 x 6,5	52,5 x 35,5 x 6,5	52,5 x 35,5 x 6,5
W x H x D with pedestal approx. cm	51,8 x 42 x 16	52,5 x 38 x 16,5	52,5 x 38 x 16,5	52,5 x 38 x 16,5	52,5 x 38 x 16,5	52,5 x 38 x 16,5
Prepared for VESA standard wall mounting mm	100 x 100	100 x 100	100 x 100	100 x 100	100 x 100	100 x 100

Technical data supplied without liability.

LCD TELEVISION SETS	LEEMAXX 19 HD LED	LEEMAXX 19 HD/C	LEEMAXX 19 HD	LEEMAXX 19	VISION 2 LED	VISION 2 19-2941 T/C
Catalogue page	21	21	21	21	23	23
PICTURE						
Display	LED Dynamic Backlight LC-Display	Active Matrix TFT-LC-Display	Active Matrix TFT-LC-Display	Active Matrix TFT-LC-Display	LED Dynamic Backlight LC-Display	Active Matrix TFT-LC-Display
Screen diagonal inches	18.5	18.5	18.5	18.5	18.5	18.5
16:9 wide-screen format	•	•	•	•	•	•
Response time approx. ms	TBD	5	5	5	TBD	5
Brightness approx. cd/m2	TBD	250	250	250	TBD	250
Contrast ratio approx.	TBD	1000 : 1	1000 : 1	1000 : 1	TBD	1000 : 1
Viewing angle approx.	TBD	160° vertical, 160° horizontal	160° vertical, 160° horizontal	160° vertical, 160° horizontal	TBD	160° vertical, 160° horizontal
Resolution RGB pixel	WXGA 1366 x 768	WXGA 1366 x 768	WXGA 1366 x 768	WXGA 1366 x 768	WXGA 1366 x 768	WXGA 1366 x 768
Full HD	-	-	-	-	-	-
HD ready	•	•	•	•	•	•
200 Hz technology	-	-	-	-	-	-
100 Hz technology	-	-	-	-	-	-
Motion Picture Improvement	-	-	-	-	-	-
Perfect Picture Plus technology	•	•	•	•	•	•
Digital combfilter (3-D)	•	•	•	•	•	•
Digital Colour Transition Improvement (DCTI)	•	•	•	•	•	•
Digital Luminance Transition Improvement (DLTI)	•	•	•	•	•	•
Digital Noise Reduction (DNR)	•	•	•	•	•	•
INTEGRATED DVB-T RECEPTION						
Digital TV reception via antenna (DVB-T)	• MPEG 2 + MPEG 4	• MPEG 2 + MPEG 4	• MPEG 2 + MPEG 4	•	• MPEG 2 + MPEG 4	• MPEG 2 + MPEG 4
Digital TV reception via satellite (DVB-S)	to retrofit by DSR 1975 HDTV or DSR 1750	to retrofit by DSR 1975 HDTV or DSR 1750	to retrofit by DSR 1975 HDTV or DSR 1750	to retrofit by DSR 1975 HDTV or DSR 1750	to retrofit by DSR 1975 HDTV or DSR 1750	to retrofit by DSR 1975 HDTV or DSR 1750
Digital TV reception via cable (DVB-C)	• MPEG 2 + MPEG 4	• MPEG 2 + MPEG 4	-	-	-	• MPEG 2 + MPEG 4
ELECTRONICS						
PAT - splitted screen (picture / text)	•	•	•	•	•	•
Programme memory TV / AV	100 analog / 400 digital / AV	100 analog / 400 digital / AV	100 analog / 400 digital / AV	100 analog / 400 digital / AV	100 analog / 400 digital / AV	100 analog / 400 digital / AV
Videotext / memory	• / 1000	• / 1000	• / 1000	• / 1000	• / 1000	• / 1000
TV standards	BG, I, DK/K', L/L', PAL, SECAM via AV: NTSC 4,43 + 3,58 MHz. A2 for B/G/D/K/I, Nicam 5,85 MHz [BG, L] + 6,52 MHz [I]	BG, I, DK/K', L/L', PAL, SECAM via AV: NTSC 4,43 + 3,58 MHz. A2 for B/G/D/K/I, Nicam 5,85 MHz [BG, L] + 6,52 MHz [I]	BG, I, DK/K', L/L', PAL, SECAM via AV: NTSC 4,43 + 3,58 MHz. A2 for B/G/D/K/I, Nicam 5,85 MHz [BG, L] + 6,52 MHz [I]	BG, I, DK/K', L/L', PAL, SECAM via AV: NTSC 4,43 + 3,58 MHz. A2 for B/G/D/K/I, Nicam 5,85 MHz [BG, L] + 6,52 MHz [I]	BG, I, DK/K', L/L', PAL, SECAM via AV: NTSC 4,43 + 3,58 MHz. A2 for B/G/D/K/I, Nicam 5,85 MHz [BG, L] + 6,52 MHz [I]	BG, I, DK/K', L/L', PAL, SECAM via AV: NTSC 4,43 + 3,58 MHz. A2 for B/G/D/K/I, Nicam 5,85 MHz [BG, L] + 6,52 MHz [I]
Control keys on set	•	•	•	•	•	•
Infrared remote control	RC 23	RC 23	RC 23	RC 23	RC 23	RC 23
SOUND						
Music / nominal output approx. W	2-channel 12 / 6	2-channel 12 / 6	2-channel 12 / 6	2-channel 12 / 6	2-channel 12 / 6	2-channel 12 / 6
Sound projector	-	-	-	-	-	-
Virtual Dolby Surround	-	-	-	-	-	-
SRS TruSurround	-	-	-	-	-	-
Loudspeakers	2 wide band, front	2 wide band, front	2 wide band, front	2 wide band, front	2 wide band, front	2 wide band, front
CONNECTIONS / SOCKETS						
HDMI	1x	1x	1x	1x	2x	2x
HDCP	• [via HDMI]	• [via HDMI]	• [via HDMI]	• [via HDMI]	• [via HDMI]	• [via HDMI]
USB 2.0	• [USB recording]	•	•	•	•	•
Euro-AV socket / RGB and S-video suitable	1x / RGB, S-video	1x / RGB, S-video	1x / RGB, S-video	1x / RGB, S-video	1x / RGB, S-video	1x / RGB, S-video
YUV sockets	• [via VGA]	• [via VGA]	• [via VGA]	• [via VGA]	• [via VGA]	• [via VGA]
S-video input (hosiden)	-	-	-	-	-	-
Cinch-AV sockets	•	•	•	•	•	•
VGA interface for PC	• [Multisync WXGA]	• [Multisync WXGA]	• [Multisync WXGA]	• [Multisync WXGA]	• [Multisync WXGA]	• [Multisync WXGA]
SPDIF out	-	-	-	-	-	-
Subwoofer out	-	-	-	-	-	-
Headphones socket (Ø 3,5 mm)	-	-	-	-	•	•
Common interface (CA modules)	•	•	•	•	•	•
12 V DC connector	•	•	•	-	•	-
MAINS UNIT						
Voltage [regulated], frequency 50/60 Hz	V- TBD	230	230	230	TBD	230
Integrated supply	•	•	•	•	•	•
Power consumption max. / stand-by approx. W	TBD	30 / <-1	30 / <-1	30 / <-1	TBD	30 / <-1
WEIGHT						
Weight approx. kg	3.5	3.5	3.5	3.5	3.5	3.5
DIMENSIONS						
W x H x D without pedestal approx. cm	-	-	-	-	45.8 x 31.5 x 6.5	45.8 x 31.5 x 6.5
W x H x D with pedestal approx. cm	45.5 x 30.5 x 9	45.5 x 30.5 x 9	45.5 x 30.5 x 9	45.5 x 30.5 x 9	45.8 x 34.3 x 16.5	45.8 x 34.3 x 16.5
Prepared for VESA standard wall mounting mm	-	-	-	-	100 x 100	100 x 100

Technical data supplied without liability.

LCD TELEVISION SETS	VISION 2 19-2940 T	VISION 2 19-2930 T	VISION 2 19-2920	VISION 2 16-2941 T/C	VISION 2 16-2930 T	VISION 2 16-2920
Catalogue page	22	22	23	22	22	22
PICTURE						
Display	Active Matrix TFT-LC-Display	Active Matrix TFT-LC-Display	Active Matrix TFT-LC-Display	Active Matrix TFT-LC-Display	Active Matrix TFT-LC-Display	Active Matrix TFT-LC-Display
Screen diagonal inches	18.5	18.5	18.5	16	16	16
16:9 wide-screen format	•	•	•	•	•	•
Response time approx. ms	5	5	5	8	8	8
Brightness approx. cd/m2	250	250	250	250	250	250
Contrast ratio approx.	1000 : 1	1000 : 1	1000 : 1	500 : 1	500 : 1	500 : 1
Viewing angle approx.	160° vertical, 160° horizontal	160° vertical, 160° horizontal	160° vertical, 160° horizontal	65° vertical, 90° horizontal	65° vertical, 90° horizontal	65° vertical, 90° horizontal
Resolution RGB pixel	WXGA 1366 x 768	WXGA 1366 x 768	WXGA 1366 x 768	WXGA 1366 x 768	WXGA 1366 x 768	WXGA 1366 x 768
Full HD	-	-	-	-	-	-
HD ready	•	•	•	•	•	•
200 Hz technology	-	-	-	-	-	-
100 Hz technology	-	-	-	-	-	-
Motion Picture Improvement	-	-	-	-	-	-
Perfect Picture Plus technology	•	•	•	•	•	•
Digital combfilter (3-D)	•	•	•	•	•	•
Digital Colour Transition Improvement (DCTI)	•	•	•	•	•	•
Digital Luminance Transition Improvement (DLTI)	•	•	•	•	•	•
Digital Noise Reduction (DNR)	•	•	•	•	•	•
INTEGRATED DVB-T RECEPTION						
Digital TV reception via antenna (DVB-T)	• MPEG 2 + MPEG 4	•	-	• MPEG 2 + MPEG 4	•	-
Digital TV reception via satellite (DVB-S)	to retrofit by DSR 1975 HDTV or DSR 1750	to retrofit by DSR 1975 HDTV or DSR 1750	to retrofit by DSR 1975 HDTV or DSR 1750	to retrofit by DSR 1975 HDTV or DSR 1750	to retrofit by DSR 1975 HDTV or DSR 1750	to retrofit by DSR 1975 HDTV or DSR 1750
Digital TV reception via cable (DVB-C)	-	-	-	• MPEG 2 + MPEG 4	-	-
ELECTRONICS						
PAT - splitted screen (picture / text)	•	•	•	•	•	•
Programme memory TV / AV	100 analog / 400 digital / AV	100 analog / 400 digital / AV	100 analog / 400 digital / AV	100 analog / 400 digital / AV	100 analog / 400 digital / AV	100 analog / 400 digital / AV
Videotext / memory	• / 1000	• / 1000	• / 1000	• / 1000	• / 1000	• / 1000
TV standards	BG, I, DK/K', L/L': PAL, SECAM via AV: NTSC 4,43 + 3,58 MHz.	BG, I, DK/K', L/L': PAL, SECAM via AV: NTSC 4,43 + 3,58 MHz.	BG, I, DK/K', L/L': PAL, SECAM via AV: NTSC 4,43 + 3,58 MHz.	BG, I, DK/K', L/L': PAL, SECAM via AV: NTSC 4,43 + 3,58 MHz.	BG, I, DK/K', L/L': PAL, SECAM via AV: NTSC 4,43 + 3,58 MHz.	BG, I, DK/K', L/L': PAL, SECAM via AV: NTSC 4,43 + 3,58 MHz.
	A2 for B/G/D/K/I, Nicam 5,85 MHz [BG, L] + 6,52 MHz (I)	A2 for B/G/D/K/I, Nicam 5,85 MHz [BG, L] + 6,52 MHz (I)	A2 for B/G/D/K/I, Nicam 5,85 MHz [BG, L] + 6,52 MHz (I)	A2 for B/G/D/K/I, Nicam 5,85 MHz [BG, L] + 6,52 MHz (I)	A2 for B/G/D/K/I, Nicam 5,85 MHz [BG, L] + 6,52 MHz (I)	A2 for B/G/D/K/I, Nicam 5,85 MHz [BG, L] + 6,52 MHz (I)
Control keys on set	•	•	•	•	•	•
Infrared remote control	RC 23	RC 23	RC 23	RC 23	RC 23	RC 23
SOUND						
Music / nominal output approx. W	2-channel 12 / 6	2-channel 12 / 6	2-channel 10 / 5	2-channel 12 / 6	2-channel 12 / 6	2-channel 8 / 4
Sound projector	-	-	-	-	-	-
Virtual Dolby Surround	-	-	-	-	-	-
SRS TruSurround	-	-	-	-	-	-
Loudspeakers	2 wide band, front	2 wide band, front	2 wide band, front	2 wide band, front	2 wide band, front	2 wide band, front
CONNECTIONS / SOCKETS						
HDMI	2x	1x	1x	2x	1x	1x
HDCP	• [via HDMI]	• [via HDMI]	• [via HDMI]	• [via HDMI]	• [via HDMI]	• [via HDMI]
USB 2.0	•	•	-	•	-	-
Euro-AV socket / RGB and S-video suitable	1x / RGB, S-video	1x / RGB, S-Video	1x / RGB, S-video	1x / RGB, S-video	1x / RGB, S-Video	1x / RGB, S-video
YUV sockets	• [via VGA]	• [via VGA]	• [via VGA]	• [via VGA]	• [via VGA]	• [via VGA]
S-video input (hosiden)	-	-	-	-	-	-
Cinch-AV sockets	•	•	•	•	•	•
VGA interface for PC	• [Multisync WXGA]	• [Multisync WXGA]	• [Multisync WXGA]	• [Multisync WXGA]	• [Multisync WXGA]	• [Multisync WXGA]
SPDIF out	-	-	-	-	-	-
Subwoofer out	-	-	-	-	-	-
Headphones socket (Ø 3,5 mm)	•	•	•	•	•	•
Common interface (CA modules)	•	•	•	•	•	-
12 V DC connector	-	•	-	-	•	-
MAINS UNIT						
Voltage [regulated], frequency 50/60 Hz	V- 230	230	230	230	230	230
Integrated supply	•	•	•	•	•	•
Power consumption max. / stand-by approx. W	30 / <-1	30 / <-1	30 / <-1	24 / <-1	24 / <-1	24 / <-1
WEIGHT						
Weight approx. kg	3,5	3,5	3,5	2,8	2,8	2,8
DIMENSIONS						
W x H x D without pedestal approx. cm	45,8 x 31,5 x 6,5	45,8 x 31,5 x 6,5	45,8 x 31,5 x 6,5	38,7 x 28 x 6,5	38,7 x 28 x 6,5	38,7 x 28 x 6,5
W x H x D with pedestal approx. cm	45,8 x 34,3 x 16,5	45,8 x 34,3 x 16,5	45,8 x 34,3 x 16,5	38,7 x 31 x 13,5	38,7 x 31 x 13,5	38,7 x 31 x 13,5
Prepared for VESA standard wall mounting mm	100 x 100	100 x 100	100 x 100	100 x 100	100 x 100	100 x 100

Technical data supplied without liability.

COMBINED LCD/DVD SETS 22-2930 T DVD	VISION 2 22-2940 T DVD	VISION 2 22-2930 T DVD	VISION 2 19-2940 T DVD	VISION 2 19-2930 T DVD
Catalogue page	23	23	23	23
PICTURE				
Display	Active Matrix TFT-LC-Display	Active Matrix TFT-LC-Display	Active Matrix TFT-LC-Display	Active Matrix TFT-LC-Display
Screen diagonal	21.6	21.6	18.5	18.5
16:9 wide-screen format	•	•	•	•
Response time	5	5	5	5
Brightness	350	350	250	250
Contrast ratio	800 : 1	800 : 1	1.000 : 1	1.000 : 1
Viewing angle	170° vertical, 160° horizontal	170° vertical, 160° horizontal	160° vertical, 160° horizontal	160° vertical, 160° horizontal
Resolution	WXGA 1366 x 786	WXGA 1366 x 786	WXGA 1366 x 786	WXGA 1366 x 786
HD ready	•	•	•	•
Digital combfilter [3-D]	•	•	•	•
Digital Colour Transition Improvement [DCTI]	•	•	•	•
Digital Luminance Transition Improvement [DLTI]	•	•	•	•
Digital Noise Reduction [DNR]	•	•	•	•
INTEGRATED DVD PLAYER				
Playable disc formats	DVD video, DVD+RW, DVD-RW, DVD+R, DVD-R, CD audio, CD+RW, CD-RW, CD+R, CD-R, SVCD	DVD video, DVD+RW, DVD-RW, DVD+R, DVD-R, CD audio, CD+RW, CD-RW, CD+R, CD-R, SVCD	DVD video, DVD+RW, DVD-RW, DVD+R, DVD-R, CD audio, CD+RW, CD-RW, CD+R, CD-R, SVCD	DVD video, DVD+RW, DVD-RW, DVD+R, DVD-R, CD audio, CD+RW, CD-RW, CD+R, CD-R, SVCD
Supported files	MP3, JPG, MPG, AVI	MP3, JPG, MPG, AVI	MP3, JPG, MPG, AVI	MP3, JPG, MPG, AVI
INTEGRATED DVB-T RECEPTION				
Digital TV reception via antenna [DVB-T]	• MPEG 2 + MPEG 4	•	•	•
Digital TV reception via satellite [DVB-S]	to retrofit by DSR 1975 HDTV or DSR 1750	to retrofit by DSR 1975 HDTV or DSR 1750	to retrofit by DSR 1975 HDTV or DSR 1750	to retrofit by DSR 1975 HDTV or DSR 1750
ELECTRONICS				
Programme memory TV / AV	100 analog / 400 digital / AV	100 analog / 400 digital / AV	100 analog / 400 digital / AV	100 analog / 400 digital / AV
Videotext / memory	• / 1000	• / 1000	• / 1000	• / 1000
TV standards	BG, I, DK/K', L/L'. PAL, SECAM via AV: NTSC 4,43 + 3,58 MHz	BG, I, DK/K', L/L'. PAL, SECAM via AV: NTSC 4,43 + 3,58 MHz	BG, I, DK/K', L/L'. PAL, SECAM via AV: NTSC 4,43 + 3,58 MHz	BG, I, DK/K', L/L'. PAL, SECAM via AV: NTSC 4,43 + 3,58 MHz
	A2 for B/G/D/K/I, Nicam 5,85 MHz [BG, L] + 6,52 MHz (I)	A2 for B/G/D/K/I, Nicam 5,85 MHz [BG, L] + 6,52 MHz (I)	A2 for B/G/D/K/I, Nicam 5,85 MHz [BG, L] + 6,52 MHz (I)	A2 for B/G/D/K/I, Nicam 5,85 MHz [BG, L] + 6,52 MHz (I)
Control keys on set	•	•	•	•
Infrared remote control	RC 22	RC 22	RC 22	RC 22
SOUND				
Music / nominal output	2-channel 12 / 6	2-channel 12 / 6	2-channel 12 / 6	2-channel 12 / 6
Loudspeakers	2 wide band, front	2 wide band, front	2 wide band, front	2 wide band, front
CONNECTIONS / SOCKETS				
HDMI	2x	1x	2x	1x
HDCP	• [via HDMI]	• [via HDMI]	• [via HDMI]	• [via HDMI]
USB 2.0	•	•	•	•
Euro-AV socket / RGB and S-video suitable	1x / RGB, S-video	1x / RGB, S-video	1x / RGB, S-video	1x / RGB, S-video
YUV sockets	• [via VGA]	• [via VGA]	• [via VGA]	• [via VGA]
Cinch-AV sockets	•	•	•	•
VGA interface for PC	• [Multisync WXGA]	• [Multisync WXGA]	• [Multisync WXGA]	• [Multisync WXGA]
Common interface [CA modules]	•	•	•	•
Headphones socket [Ø 3,5 mm]	•	•	•	•
12 V DC connector	-	-	•	•
MAINS UNIT				
Voltage [regulated], frequency 50/60 Hz	230	230	230	230
Integrated supply	•	•	•	•
Power consumption max. / stand-by	50 / ←1	50 / ←1	35 / ←1	35 / ←1
WEIGHT				
Weight	4.5	4.5	3.5	3.5
DIMENSIONS [W X H X D]				
W x H x D without pedestal	52.5 x 35.5 x 6.5	52.5 x 35.5 x 6.5	45.8 x 31.5 x 6.5	45.8 x 31.5 x 6.5
W x H x D with pedestal	52.5 x 38 x 16.5	52.5 x 38 x 16.5	45.8 x 34.3 x 16.5	45.8 x 34.3 x 16.5
Prepared for VESA standard wall mounting	100 x 100	100 x 100	100 x 100	100 x 100

Technical data supplied without liability.

DVD PLAYERS	GDP 5010	GDP 4300
Catalogue page	24	24
Playable disc formats 12/8 cm	DVD video / DVD+RW / DVD-RW / DVD+R / DVD-R / DVD+R DL / DVD-R DL / MPEG 4 SP / Audio CD / CD-R / CD-RW / Video CD [2.0] / S-VCD / MP3 / JPEG / HD JPEG / Picture CD / WMA	DVD video / DVD+RW / DVD-RW / DVD+R / DVD-R / DVD+R DL / DVD-R DL / MPEG 4 SP / Audio-CD / CD-R / CD-RW / Video CD [2.0] / S-VCD / MP3 / JPEG / Picture CD / WMA
Nero digital (certificated)	•	•
DivX (compatible)	•	•
Picture Viewer	MP3, JPEG, KODAK Picture CD, WMA, MPEG 4 [Xvid, DivX compatible], HDCD, HD JPEG	MP3, JPEG, KODAK Picture CD, WMA, MPEG 4 [Xvid, DivX compatible], HDCD, HD JPEG
Laser scan	2 laser (1 x CD, 1 x DVD)	2 laser (1 x CD, 1 x DVD)
PAL / NTSC- playback	•/•	•/•
VIDEO		
Video D/A converter	108 MHz [12 bit]	108 MHz [12 bit]
Vertical resolution [DVD] SD / HD	576i, 576p / 720p, 1080i, 1080p (upconversion)	576i
Progressive Scan PAL / NTSC	•	•
Digital video optimizing	•	•
AUDIO		
D/A converter	96 kHz / 24 bit	96 kHz / 24 bit
Frequency range DVD 48 kHz / 96 kHz	20 Hz – 20 kHz / 4 Hz – 44 kHz	20 Hz – 22 kHz / 20 Hz – 44 kHz
Frequency range CD 44.1 kHz	4 Hz – 20 kHz	4 Hz – 20 kHz
Dynamic range [1 kHz] / Signal noise [1 kHz]	dB 80 / 85	80 / 85
Dynamic adjustment	-	-
Audio downsampling	-	-
Digital sound decoder	Dolby Digital AC3, MPEG 2, MP3, WMA, PCM	Dolby Digital AC3, MPEG 2, MP3, WMA, PCM
Digital outputs	Dolby Digital AC3, MPEG, DTS, PCM	Dolby Digital AC3, MPEG, DTS, PCM
Dolby ProLogic	•	•
Virtual Dolby Surround	-	-
PLAYBACK FEATURES		
Fast picture search [forward and reverse]	2x / 4x / 8x / 16x / 32x	2x / 4x / 8x / 16x
Title / chapter skip	•	•
Direct chapter selection with 10 key keypad	-	-
Perfect still picture / Picture by picture playback	-	-
Slow motion [forward and reverse]	•	-
Repeat	Title/chapter/sequence A – B	Title/chapter/sequence A – B
Random Play / Programme Play [CD, MP3]	-	- / •
SPECIAL FEATURES		
CEC function	-	-
Zoom	VCD/DVD: 2x, 3x, 4x, 1/2, 1/3, 1/4; JPEG: 50%	VCD/DVD: 2x, 3x, 4x, 1/2, 1/3, 1/4; JPEG: 50%
Child lock	75%, 125%, 150%, 200%	75%, 125%, 150%, 200%
Language choice [dialog, subtitle] 1)	-	-
Multi-angle choice 1)	-	-
OPERATING FEATURES		
Infrared remote control	•	•
On Screen Display	-	-
CONNECTIONS		
USB	2.0 high speed	-
HDMI / HDCP	•	-
YUV-sockets [Progressive Scan; 3 x Cinch]	•	•
Euro-AV, Scart	•	•
Cinch video-out [CVBS]	•	•
S-video socket [Y/C] out	•	•
Digital audio output coaxial / optical	•/•	•/•
MAINS UNIT		
Mains voltage V-	110 – 240, 50 – 60 Hz	100 – 240, 50 – 60 Hz
Power consumption max. / stand-by	approx.W 12 / ← 1	12 / ← 1
WEIGHT		
	approx. kg 1.8	1.8
DIMENSIONS [W X H X D]		
	approx. cm 43 x 4.1 x 20.8	43 x 3.8 x 25.4

Technical data supplied without liability.

¹⁾ Depending on the DVD disc.

SPHERICAL LOUDSPEAKER BOXES	AUDIORAMA 9000
Catalogue page	27
Acoustical principle	Closed speaker box with 360° characteristic
Music capacity	W 180
Nominal capacity	W 120
Nominal impedance	Ohm 4
Number of speakers	3
Frequency range	Hz 50 - 30,000
WEIGHT	
Weight	approx. kg 7
DIMENSIONS	
Diameter	approx. cm Ø 32
Height on stand [accessory]	approx. cm 100

Technical data supplied without liability.

MICRO SYSTEMS	OVATION 2i CDS 9000 WEB	OVATION 2 CDS 7000 DEC	OVATION CDS 6580 A SPCD
Catalogue page	29	33	33
SPECIAL FEATURES			
Internet radio via v-tuner	•	-	-
Audio streaming (UPnP client)	•	-	-
AMPLIFIER UNIT			
PMPO	W 90	90	80
Music / nominal output	W 2 x 6/4 / 1 x 11/7	2 x 6/4 / 1 x 11/7	2 x 5/3 / 1 x 10/6
Dynamic Bass Boost / Ultra Bass System	•/-	•/-	•/-
Digital Sound Control	•	•	•
Preprogrammed EQ settings	5	5	5
Volume control digital	•	•	•
Wake-up function / Sleep function	•/•	•/•	•/•
TUNER UNIT			
Ranges	FM, AM [MW]	FM, AM [MW]	FM, AM [MW]
PLL frequency synthesizer / Station memory	•/40	•/40	•/40
Radio Data System RDS / RDS radiotext	•/•	•/•	•/-
Programme type evaluation PTY	•	•	•
CD UNIT			
D/A converter	bit 1	1	1
Title memory	40	60	60
Shuffle [random play]	•	•	•
Can read CD-R / CD-RW	•/•	•/•	•/•
MP3 format	MPEG 1 Layer 3, 44.1 kHz	MPEG 1 layer 3, 44.1 kHz	MPEG 1 layer 3, 44.1 kHz
WMA	•	•	•
Maximum folders / Maximum files	512	512	512
Data rate system	32 - 320 kbps, variable	32 - 320 kbps, variable	32 - 320 kbps, variable
ISO 9660 level 1 compatible	•	•	•
CASSETTE UNIT			
Automatic recording level control	-	-	-
CD copy function	-	-	-
Transmission range	Hz -	-	-
CONNECTIONS			
WLAN	802.11b/g	-	-
LAN	RJ45 10/100 MBit	-	-
USB	•	•	-
SD / MMC / MS slot	-	-	-
Line / Aux in	•	•	•
75 ohms antenna coax.	•	•	•
Stereo headphones [3.5 mm]	•	•	•
Remote control / HiFi speakers [included]	•/ Magic Fidelity System	•/ Magic Fidelity System	•/ Magic Fidelity System
Mains supply, mains frequency	V-, Hz 230, 50/60	230, 50/60	230, 50/60
Power consumption max. / stand-by	approx. W 28 / ←6	39 / ←2	35 / ←2
DIMENSIONS			
Tower [W x H x D]	approx. cm 29.5 x 30 x 12.7	29.5 x 30 x 12.7	31 x 18 x 19
Speakers [W x H x D]	approx. cm -	-	-

Technical data supplied without liability.

MICRO SYSTEMS	UMS 5800 DEC	UMS 4710 DEC	UMS 4700 SPCD
Catalogue page	35	34	35
SPECIAL FEATURES			
Internet radio via v-tuner	-	-	-
Audio streaming (UPnP client)	-	-	-
AMPLIFIER UNIT			
PMP0	W 160	65	65
Music / nominal output	W 2 x 20 / 12,5 [4 ohms]	2 x 8 / 5 [4 ohms]	2 x 8 / 5 [4 ohms]
Dynamic Bass Boost / Ultra Bass System	•/-	-/•	-/•
Digital Sound Control	•	•	•
Preprogrammed EQ settings	5	5	5
Volume control digital	•	•	•
Wake-up function / Sleep function	•/•	•/•	•/•
TUNER UNIT			
Ranges	FM, AM [MW]	FM, AM [MW]	FM, AM [MW]
PLL frequency synthesizer / Station memory	•/40	•/15 + 15	•/15 + 15
Radio Data System RDS / RDS radiotext	•/•	•/•	•/•
Programme type evaluation PTY	•	-	•
CD UNIT			
D/A converter	bit 16	1	1
Title memory	60	CDDA 20 / MP3 99	CDDA 20 / MP3 99
Shuffle [random play]	•	•	•
Can read CD-R / CD-RW	•/•	•/•	•/•
MP3 format	MPEG 1 Layer 3, 44.1 kHz	MPEG 1 layer 3, 44.1 kHz	MPEG 1 layer 3, 44.1 kHz
WMA	•	•	•
Maximum folders / Maximum files	256 / 511	99 / 999	99 / 999
Data rate system	32 - 320 kbps, variable	32 - 320 kbps, variable	32 - 320 kbps, variable
ISO 9660 level 1 compatible	•	•	•
CASSETTE UNIT			
Automatic tone control	-	-	•
CD copy function	-	-	•
Transmission range	Hz -	-	125 - 8,000
CONNECTIONS			
WLAN	-	-	-
LAN	-	-	-
USB	•	•	-
SD / MMC / MS slot	•	•	-
Line / Aux in	•	•	•
75 ohms antenna coax.	•	•	•
Stereo headphones [3.5 mm]	•	•	•
Remote control / HiFi speakers [included]	•/ 2-way bass reflex	•/ 2-way bass reflex	•/ 2-way bass reflex
Mains supply, mains frequency	V-, Hz 230, 50/60	230, 50/60	230, 50/60
Power consumption max. / stand-by	approx. W 80 / ←1	40 / ←1	40 / ←1
DIMENSIONS			
Tower [W x H x D]	approx. cm 16 x 25.5 x 26	17 x 24 x 21.5	17 x 24 x 21.5
Speakers [W x H x D]	approx. cm 16 x 25.5 x 24	14.5 x 24 x 15.6	14.5 x 24 x 15.6

Technical data supplied without liability.

PERSONAL ENTERTAINMENT		MPIXX 1200 FM/2GB Digital Movie and Music Player	
Catalogue page		36	
GENERAL INFORMATION			
Playback formats	Audio	MP3, WMA, WAV	
	Photo	JPEG, BMP	
	Video	MTV (AVI, MPEG, WMV, Real Media, Quick Time)	
Maximum number of files		9,999	
MP3 data rate	kbps	8 - 320	
WMA data rate	kbps	32 - 320	
DRM support		-	
FM radio		•	
Station memories		30	
Microphone		•	
Dictation function		• (WAV)	
Storage medium		2 GB internal flash memory	
System requirements		ME / 2000 / XP / Vista / WIN 7 / Mac / Linux Kernel 2.4x	
		CD-ROM drive	
		USB port	
AMPLIFIER			
Power	mW	2 x 5	
Frequency response	Hz	20 - 20,000 (128 kbps)	
Equalizer settings		7-times	
DISPLAY			
Display type		LCD, 1.8 inch, full colour	
Touch screen		-	
ID3 Tag function (song info display)		•	
Lyric function		•	
Lighting colour		65,000 colour display	
CONNECTIONS			
USB		• (2.0 High Speed; mini USB)	
SD/MMC card slot		Micro-SDHC (up to 8 GB)	
Earphone output		3.5 mm stereo	
ENERGY SUPPLY			
Battery		1 x 3.7 V lithium polymer battery	
Playback time (MP3, 128 kbps)	up to hrs.	8	
SPECIAL FEATURES			
		Slide show function, file management, e-book, 14 European languages selectable, automatic switch-off in sleep time mode	
WEIGHT			
Weight (without battery)	approx. g	35	
DIMENSIONS			
W x H x D	approx. cm	7.7 x 4 x 1.2	
SUPPLIED ACCESSORIES			
		USB cable, installation CD, stereo earphones	

Technical data supplied without liability.

PERSONAL ENTERTAINMENT		MPAXX 928 HYDROX/2GB WaterProof Digital Music Player	
Catalogue page		36	
GENERAL INFORMATION			
Playback formats	Audio	MP3, WMA	
	Maximum number of files	999 per folder	
	MP3 data rate	kbps	8 - 320
WMA data rate	kbps	32 - 384	
Storage medium		2 GB internal flash memory	
System requirements		XP / Vista / WIN 7	
		CD-ROM drive	
		USB port	
AMPLIFIER			
Power	mW	2 x 4,4	
Frequency response	Hz	20 - 20000 (128 kbps)	
Equalizer settings		6-times	
CONNECTIONS			
USB		(2.0 High Speed; USB)	
Earphone output		2.5 mm stereo - Waterproof	
ENERGY SUPPLY			
Battery		1 x 3.7 V lithium polymer battery	
Playback time (MP3, 128 kbps)	up to hrs.	7	
SPECIAL FEATURES			
		belt clip, power control LED	
Playback functions		repeat / shuffle	
WEIGHT			
Weight (without battery)	approx. g	25	
DIMENSIONS			
W x H x D	approx. cm	4.3 x 3.4 x 0.9 (1.4 with clip)	
SUPPLIED ACCESSORIES			
		USB cable, quick start guide, stereo earphones, goggle	

Technical data supplied without liability.

PERSONAL ENTERTAINMENT		MPAXX 920/2GB Digital Music Player	MPAXX 940/4GB Digital Music Player
Catalogue page		37	37
GENERAL INFORMATION			
Playback formats	Audio	MP3, WMA	MP3, WMA
Maximum number of files		999 per folder	999 per folder
MP3 data rate	kbps	8 - 320	8 - 320
WMA data rate	kbps	32 - 384	32 - 384
Storage medium		2 GB internal flash memory	4 GB internal flash memory
System requirements		ME / 2000 / XP / Vista / WIN 7	ME / 2000 / XP / Vista / WIN 7
		CD-ROM drive	CD-ROM drive
		USB port	USB port
AMPLIFIER			
Power	mW	2 x 5	2 x 5
Frequency response	Hz	20 - 20000 (128 kbps)	20 - 20000 (128 kbps)
Equalizer settings		6-times	6-times
CONNECTIONS			
USB		[2.0 High Speed; mini USB]	[2.0 High Speed; mini USB]
Earphone output		3.5 mm stereo	3.5 mm stereo
ENERGY SUPPLY			
Battery		1 x 3.7 V lithium polymer battery	1 x 3.7 V lithium polymer battery
Playback time (MP3, 128 kbps)	up to hrs.	15	15
SPECIAL FEATURES			
Playback functions		belt clip, power control LED	belt clip, power control LED
		repeat / shuffle	repeat / shuffle
WEIGHT			
Weight (without battery)	approx. g	25	25
DIMENSIONS			
W x H x D	approx. cm	4.3 x 3.4 x 0.9 [1.4 with clip]	4.3 x 3.4 x 0.9 [1.4 with clip]
SUPPLIED ACCESSORIES			
		USB cable, quick start guide,	USB-Cable, quick start guide,
		stereo earphones	stereo earphones

Technical data supplied without liability.

PORTABLE CD-PLAYER		CDP 5100 SPCD
Catalogue page		36
CD UNIT		
D/A converter / Oversampling		1 bit / 8-times
Digital Anti Shock System	Sec.	40 (120 MP3)
Title memory		64
Random Play / Intro scan		•/•
Repeat one / all / programme		•/•/•
Can read CD-R / CD-RW		•/• [MP3 also]
Frequency range	Hz	20 - 20,000
AMPLIFIER UNIT		
Output	mWatt	2 x 15
Equalizer settings		5
Ultra bass system		•
LCD display		•
CONNECTIONS		
Stereo headphones (3.5 mm)		•
POWER SUPPLY		
External power supply	V-	230
Batteries / Battery voltage	V=	mignon cells / 2 x 1.5
		up to 12 h playing time
WEIGHT		
Weight (without batteries)	approx. kg	0.21
DIMENSIONS		
W x H x D	approx. cm	14.3 Ø x 2.8
SUPPLIED ACCESSORIES		
		Stereo earphones,
		4.5 V AC/DC adaptor

Technical data supplied without liability.

RADIO RECORDERS WITH CD	RRCD 3760 WEB	RRCD 3720 DEC	RRCD 3700 MP3	RRCD 2700 MP3	RCD 1420 MP3	RRCD 1350 MP3
Catalogue page	31	38	39	39	39	39
Internet radio via v-tuner	•	-	-	-	-	-
Audio streaming (UPnP client)	•	-	-	-	-	-
TUNER UNIT						
Ranges / Station memories	FM / 40	FM, AM (MW) / 20	FM, AM (MW) / -	FM, AM (MW) / -	FM, AM (MW) / 20	FM, AM (MW) / -
PLL frequency synthesizer / Stereo signal display	•/•	•/•	AFC /•	AFC /•	•/•	AFC /•
CASSETTE UNIT						
Automatic recording level control / Auto Stop	•/•	•/•	•/•	•/•	-	•/•
CD dubbing / One Touch Recording	•/•	•/•	•/•	•/•	-	•/•
Frequency response	Hz 125 - 10000	125 - 10000	125 - 10000	125 - 10000	-	125 - 8000
CD UNIT						
D/A converter / Oversampling	1 bit / 8-times	1 bit / 8-times	1 bit / 8-times	1 bit / 8-times	1 bit / 8-times	1 bit / 8-times
Title memory	40	20	20	20	20	20
Random Play / Intro scan	•/•	•/•	•/•	•/•	•/-	•/-
Repeat one / all / programme	•/•/•	•/•/•	•/•/•	•/•/•	•/•/•	•/•/•
Can read CD-R / CD-RW	•/•	•/•	•/•	•/•	•/•	•/•
Frequency range	Hz 20 - 20000	20 - 20000	20 - 20000	20 - 20000	20 - 16000	20 - 16000
MP3 format	MPEG 1 layer 3, 44.1 kHz	MPEG 1 layer 3, 44.1 kHz	MPEG 1 layer 3, 44.1 kHz	MPEG 1 layer 3, 44.1 kHz	MPEG 1 layer 3, 44.1 kHz	MPEG 1 layer 3, 44.1 kHz
WMA	•	•	•	•	-	-
Maximum folders / Maximum files	256 / 511	256 / 511	256 / 511	256 / 511	99 / 512	99 / 512
Data rate system	32 - 320 kbps	32 - 320 kbps	32 - 320 kbps	32 - 320 kbps	8 - 320 kbps, variable	32 - 320 kbps, variable
ISO 9660 level 1 compatible	•	•	•	•	•	•
AMPLIFIER UNIT						
PMPO	W 32	32	16	16	12	24
Nominal / music output	W 2 x 2.5 / 2 x 4	2 x 2.5 / 2 x 4	2 x 1.5 / 2 x 2	2 x 1.5 / 2 x 2	2 x 1 / 2 x 1.5	2 x 1.5 / 2 x 3
Automatic loudness	• 4-way equalizer	• 4-way equalizer	-	-	•	-
Ultra Bass System	•	•	•	•	•	•
Loudspeakers	2	2	2	2	2	2
Remote control	•	•	-	-	-	-
CONNECTIONS						
WLAN	802.11b/g	-	-	-	-	-
LAN	RJ45 10/100 MBit	-	-	-	-	-
USB	•	•	•	•	-	-
SD/MMC slot	•	•	•	•	-	-
Stereo headphones (3.5 mm)	•	•	•	•	•	•
MAIN SUPPLY						
Integrated supply / Mains voltage	V- •/230	•/230	•/230	•/230	•/230	•/230
Batteries / Battery voltage-	V= mono cells / 6 x 1.5	mono cells / 6 x 1.5	mono cells / 6 x 1.5	baby cells / 6 x 1.5	baby cells / 6 x 1.5	mono cells / 6 x 1.5
WEIGHT						
Weight (without batteries)	approx. kg 3.2	3.2	3.1	2.3	1.75	2.8
DIMENSIONS						
W x H x D	approx. cm 39,5 x 16,5 x 28	39,5 x 16,5 x 28	39,5 x 16,5 x 28	28 x 16,5 x 28	24,5 x 14 x 24,5	400 x 143 x 235

Technical data supplied without liability.

WORLD RECEIVERS	WR 5408 PLL	WR 5405	WR 5401
Catalogue page	40	40	40
Ranges	FM, SW, MW [AM], LW	FM, 7 x SW, MW [AM]	FM, 9 x SW, MW [AM], LW
Station memory	9 x FM, 18 x SW, 9 x MW [AM], 9 x LW	-	-
PLL synthesizer	•	-	-
Automatic FM fine tuning [AFC]	-	•	•
Narrow / wide	•	-	-
SSB [single side band] / Dual conversion	•/•	-	-
Local / DX switch	•	-	-
LCD time / frequency display	• multifunction	• multifunction	-
2 world times	•	•	-
Quartz clock with LCD display	•	•	-
Stereo signal display	•	-	•
Tuning display / Battery control	•/•	-	-
AMPLIFIER UNIT			
Nominal output	W 0.40	0.10	0.10
Music output	W 0.40	0.10	0.10
Tone balance	switch, 2 steps	-	-
CONNECTIONS			
Antenna	• ¹⁾	-	-
Stereo headphones (3.5 mm socket)	•	•	•
POWER SUPPLY			
Batteries	mignon cells	mignon cells	mignon cells
Battery voltage	V= 4 x 1.5	2 x 1.5	2 x 1.5
External power supply	V= 6	3 - 6	3 - 6
WEIGHT			
Weight (without batteries)	approx. kg 0.51	0.27	0.25
DIMENSIONS			
W x H x D	approx. cm 18.4 x 12 x 4	12.8 x 8.7 x 3.3	15 x 8.5 x 3.4
SUPPLIED ACCESSORIES			
	Leather protective cover, SW antenna, earphones	Leather protective cover	Leather protective cover

Technical data supplied without liability.

¹⁾ External antenna in delivery.

PORTABLE RADIOS	COSMOPOLIT 7 WEB	MUSIC 71 / RP 6901 PLL	MUSIC 70 / RP 6900
Catalogue page	30	41	41
Internet radio via v-tuner	•	-	-
Audio streaming [UPnP client and shared folders]	•	-	-
TUNER UNIT / CLOCK			
DAB / DAB+ reception	•	-	-
Ranges	FM	FM, MW [AM], LW, SW	FM, 2 x SW, MW [AM], LW
Station memories	10 FM + 10 DAB + 10 Internet	10 + 10 + 10 + 10	-
Radio data system RDS	•	•	-
Programme type evaluation [PTY]	•	•	-
Display of station name	•	•	-
PLL synthesizer	•	•	-
Automatic FM fine tuning [AFC]	-	-	•
Local / DX switch	-	•	-
LCD time / frequency display	• multifunction	• multifunction	-
Alarm / snooze / sleep timer	•	•	-
AMPLIFIER UNIT			
Nominal output	W 1.20	1.20	1.20
Music output	W 1.50	1.50	1.50
Tone balance	-	•	•
Automatic loudness	-	•	•
CONNECTIONS			
WLAN	802.11b/g	-	-
LAN	RJ45 10/100 MBit	-	-
USB	•	-	-
Line in [aux]	•	-	-
Stereo headphones (3.5 mm socket)	•	• [mono]	• [mono]
POWER SUPPLY			
Integrated supply	- [external]	•	•
Mains voltage	V= 230	230	230
Batteries	-	mono cells	mono cells
Battery voltage	V= -	4 x 1.5	4 x 1.5
WEIGHT			
Weight (without batteries)	approx. kg 1,1	1.35	1.3
	25.2 x 12.7 x 8	26 x 15 x 7	26 x 15 x 7
DIMENSIONS			
(W x H x D)	approx. cm		
SUPPLIED ACCESSORIES			
	Remote control, external supply	-	-

Technical data supplied without liability.

PORTABLE RADIOS	MUSIC 51 / RP 5201 PLL	MUSIC 50 / RP 5200	MUSIC 50L / RP 5240 LW	RP 4900	MINI 62	MICRO 60	CITY 31 / PR 3201
Catalogue page	43	42	43	43	43	43	43
Internet radio via v-tuner	-	-	-	-	-	-	-
Audio streaming [UPnP client and shared folders]	-	-	-	-	-	-	-
TUNER UNIT / CLOCK							
DAB / DAB+ reception	-	-	-	-	-	-	-
Ranges	FM	FM, SW, MW [AM]	FM, SW, LW [AM]	FM, MW [AM], LW	FM	FM, MW [AM]	FM, MW [AM]
Station memories	10	-	-	-	10	-	-
Radio data system RDS	-	-	-	-	-	-	-
Programme type evaluation (PTY)	-	-	-	-	-	-	-
Display of station name	-	-	-	-	-	-	-
PLL synthesizer	•	-	-	-	•	-	-
Automatic FM fine tuning (AFC)	-	•	•	•	-	-	•
Local / DX switch	-	-	-	-	-	-	-
LCD time / frequency display	• multifunction	-	-	-	- / •	-	-
Alarm / snooze / sleep timer	•	-	-	-	-	-	-
AMPLIFIER UNIT							
Nominal output	W 0.75	0.50	0.50	1.20	0.12	0.08	0.10
Music output	W 1.0	0.75	0.75	1.50	0.12	0.08	0.10
Tone balance	•	•	•	•	-	-	-
Automatic loudness	•	•	•	•	Ultra bass	Ultra bass	-
CONNECTIONS							
WLAN	-	-	-	-	-	-	-
LAN	-	-	-	-	-	-	-
USB	-	-	-	-	-	-	-
Line in [aux]	-	-	-	-	-	-	-
Stereo headphones [3.5 mm socket]	• [mono]	• [mono]	• [mono]	• [mono]	•	•	• [mono]
POWER SUPPLY							
Integrated supply	•	•	•	-	-	-	-
Mains voltage	V- 230	230	230	230	-	-	-
Batteries	baby cells	baby cells	baby cells	mono cells	micro cells	micro cell	mignon cells
Battery voltage	V= 4 x 1.5	4 x 1.5	4 x 1.5	4 x 1.5	2 x 1.5	1 x 1.5	2 x 1.5
WEIGHT							
Weight [without batteries]	approx. kg 0.9	0.9	0.9	0.85	0.09	0.1	0.17
	24.7 x 12.7 x 6.2	24.7 x 12.7 x 6.2	24.7 x 12.7 x 6.2	26.5 x 14.3 x 8.3	6.1 x 10.5 x 2.8	5.9 x 9.0 x 2.8	7.2 x 12.3 x 3.4
DIMENSIONS							
[W x H x D]	approx. cm						
SUPPLIED ACCESSORIES							
	-	-	-	-	Stereo earphones	Stereo earphones	-

Technical data supplied without liability.

CLOCK RADIOS	CCD 5600 SPCD	SONOCLOCK 890 WEB	SONOCLOCK 890	SONOCLOCK 760 DCF	SONOCLOCK 690	SONOCLOCK 660	SONOCLOCK 560	SONOCLOCK 360	SONOCLOCK 360 L
Catalogue page	44	30	44	45	44	45	45	45	45
Internet radio via v-tuner	-	•	-	-	-	-	-	-	-
Audio streaming [UPnP client and shared folders]	-	•	-	-	-	-	-	-	-
CLOCK UNIT									
Electronic clock with 24 hour display	LCD	LCD	LCD	LED	LED	LCD	LED	LED	LED
Quartz stabilized	•	•	•	•	•	-	-	-	-
Automatic time synchronisation	-	via DAB, Internet or RDS ²⁾	via RDS ²⁾	DCF 77 reception ¹⁾	-	via RDS ²⁾	-	-	-
Wake-up times	2	2	1	2	1	2	2	1	1
NAP: variable short time wake-up function	min. -	up to 300	up to 300	-	up to 300	up to 120	-	-	-
WEC: no wake-up at weekends	-	•	-	-	-	•	-	-	-
Wake-up with radio or alarm	• or CD	•	•	•	•	•	•	•	•
Alarm repeat interval (snooze)	min. 6	5	-	9	-	9	6	9	9
Wake-up after power failure	min. up to 59	-	up to 59	up to 59	up to 59	up to 59	up to 59	up to 59	up to 59
Automatic sleep timer	min. up to 90	up to 60	-	up to 119	-	up to 119	up to 59	up to 119	up to 119
Display brightness- / colour adjustment	•/-	•/-	-	• [autom.] /-	-	•• [8-times]	•/-	-	-
DCF 77 antenna	-	-	-	•	-	-	-	-	-
TUNER UNIT									
DAB / DAB+ reception	-	•	-	-	-	-	-	-	-
Ranges	FM, MW (AM)	FM	FM	FM	FM	FM	FM, MW (AM)	FM, MW (AM)	FM, LW (AM)
Radio Data System (RDS)	-	•	-	-	-	•	-	-	-
PLL frequency synthesizer	-	•	•	-	•	•	-	-	-
Automatic FM fine tuning (AFC)	•	-	-	-	-	-	•	•	•
Station memories	-	10 FM + 10 DAB + 10 Internet	10	-	10	10	-	-	-
Wire / ferrite antenna	•/-	•/-	•/-	•/•	•/-	•/-	•/•	•/•	•/•
CD UNIT									
D/A converter / Oversampling	1 bit / 8-times	-	-	-	-	-	-	-	-
Title memory / Random play	20 / •	-	-	-	-	-	-	-	-
Repeat one / all / programme	•	-	-	-	-	-	-	-	-
Can read CD-R / CD-RW	• [also MP3]	-	-	-	-	-	-	-	-
AMPLIFIER UNIT									
Nominal output	W 2 x 0.75	2	0.5	0.35	0.5	0.5	0.25	0.25	0.25
Music output	W 2 x 1.0	2.5	0.8	0.55	0.8	0.8	0.4	0.4	0.4
Automatic Loudness / Electronic volume adjustment	•/-	•/•	•/•	•/•	•/•	•/-	•/-	-	-
CONNECTIONS									
WLAN	-	802.11b/g	-	-	-	-	-	-	-
LAN	-	RJ45 10/100 Mbit	-	-	-	-	-	-	-
USB	-	2.0	-	-	-	-	-	-	-
Line in (aux)	-	•	-	-	-	-	-	-	-
Headphones socket (3.5 mm)	•	•	-	•	-	•	-	-	-
Remote control	-	•	-	-	-	-	-	-	-
POWER SUPPLY									
Mains voltage, frequency	V-, Hz 230, 50/60	230, 50/60	230, 50/60	230, 50/60	230, 50/60	230, 50/60	230, 50	230, 50	230, 50
Support battery for clock	2 x 1.5 V micro cells	-	9 V flat battery	9 V flat battery	9 V flat battery	2 x 1.5 V micro cells	9 V flat battery	9 V flat battery	9 V flat battery
DIMENSIONS									
W x H x D	approx. cm 17 x 8.5 x 19	27 x 6 x 15	27 x 6 x 15	10 x 15.2 x 8	27.6 x 6 x 15	18 x 5.5 x 14.5	11 x 11 x 11	19.1 x 4 x 13.8	19.1 x 4 x 13.8

Technical data supplied without liability.

¹⁾ DCF 77 signal displays the exact time and sets itself.

²⁾ Via RDS time signal broadcasted by some RDS stations.