

GRUNDIG
made for you



A new dimension of vision –
Full HD with Motion Compensation



High-end TV developed by Grundig.

We have always used our entire technical expertise to design devices that are user-friendly and built for the future. To this end, our engineers have been able to draw on decades of experience. The result is ever new innovations. Our flat-screen TVs with the HD ready standard already enable excellent picture quality.

And technical developments are continuing. Grundig's exclusive HD Evolution is the new generation of high-end television technology: pictures and films that are more natural than ever, utterly smooth object motion, maximum picture sharpness and optimum contrasts.

Our LCD TVs have digital interfaces for peripheral devices, and our unique Magic Fidelity System provides an overwhelming sound experience. On top of this, Grundig Easy Dialog, our integrated electronic operating manual, makes our TVs very easy to use. It goes without saying that the unit is also a feast for the eyes. There are so many reasons for deciding on a Grundig with HD Evolution and the sharpest television of all time – engineered in Germany.

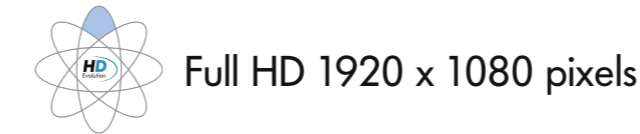


Discover the future of television.

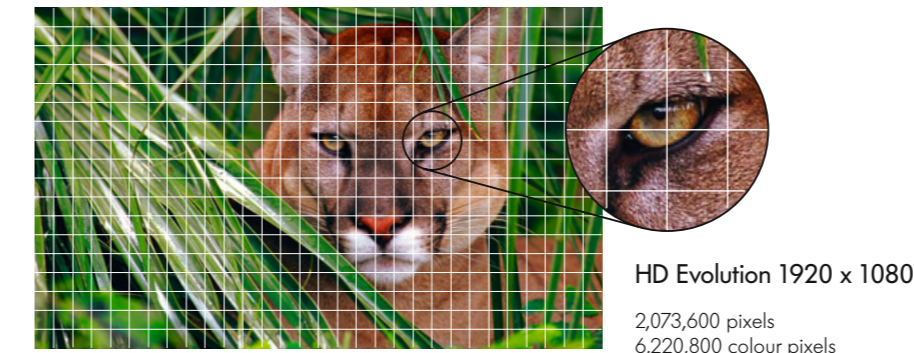
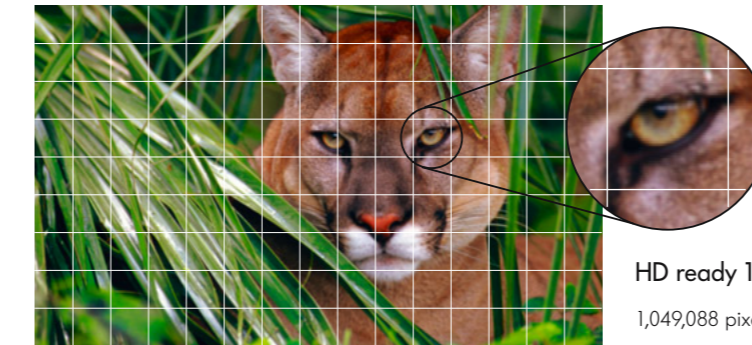
HD Evolution enables picture reproduction that comes extremely close to natural vision. The latest generation of high-speed chip is the heart of this new Grundig TV technology. Grundig engineers have designed the chip's control parameters so that HD Evolution television pictures meet the highest requirements in terms of natural and detailed representation.

HD Evolution by Grundig.

HD Evolution by Grundig has Full HD with Motion Compensation and stands for superbly sharp pictures. The HD ready standard has around 1 million pixels, but Full HD gives you a picture resolution of 1920 x 1080 pixels – that is 2,073,600 pixels or 6,220,800 colour pixels – and



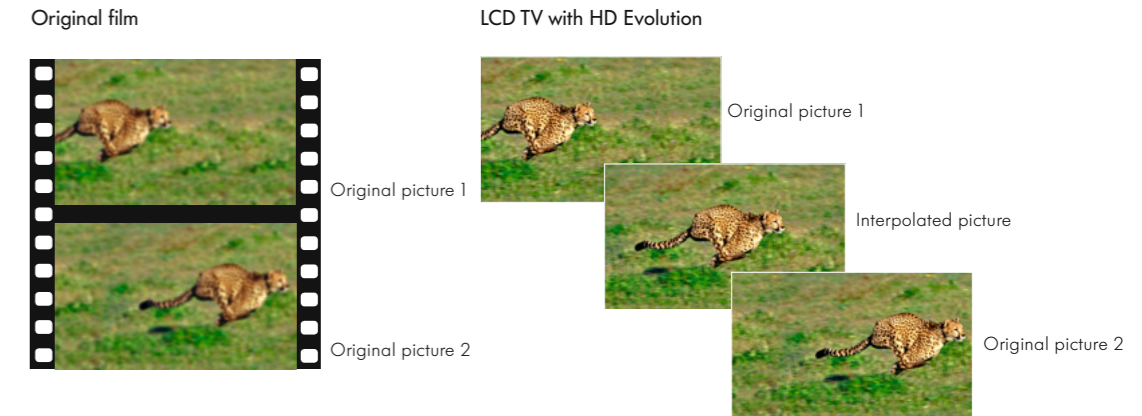
The greater the number of pixels, the sharper and more detailed the picture resolution. The 1920 x 1080 pixels provide HD Evolution with the highest picture resolution with the most natural picture playback. The pictures are extremely detailed and stunningly real due to the great depth effect.



currently has the most detailed display in HD televisions. Experience television like never before with wonderfully clear pictures, fascinating details and a spatial depth that seems almost three-dimensional.



The new TV generation with visibly sharper pictures, and are jerk-free, at last. Grundig televisions with Motion Compensation always provide excellent playback. Now we can introduce this picture improving technology for full HD television images as well. The newest high-speed processing chip set calculates additional intermediate pictures on scanned films and integrates them into the appropriate motion phases. This ensures a natural flow of movements and outstanding picture quality for fast-moving scenes.



To create more flowing movements, a device calculates an extra movement phase and inserts it between every two. For LCD TV standard two pictures are constructed – with Motion Compensation one more picture is calculated. This makes the TV picture visibly smoother and gains in detail for extra picture sharpness avoiding the “jerks” that come with fast camera pans.



Connectivity Pro by Grundig

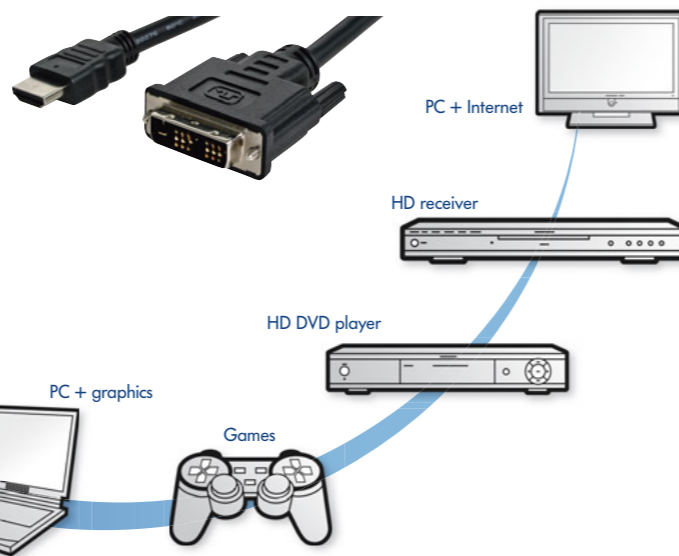
Multi-functional with intelligent connection concept

Grundig's Connectivity Pro stands for the numerous connection options which have brought the Grundig HD Evolution LCD TV to the centre of consumer electronics. Whether it is a HD receiver, DVD player and recorder, computer, digital camera or digital storage media: for each peripheral device, optimal connections are available. For example, the digital home entertainment connection of the future – HDMI (High Definition Multimedia Interface). An HDMI

cable transmits all the signals for digital pictures, digital surround sound and digital appliance control. The DVI interface provided, which can be used as a second HDMI input by means of an adapter, is used to connect a PC or a notebook directly. Thus the Grundig HD Evolution LCD TV, with a resolution in excess of 2 million pixels, can also be used for professional presentations.

Use 2 x HDMI or 2 x DVI

HDMI (High Definition Multimedia Interface) and DVI (Digital Video Interface) are interfaces for transferring video and audio data. Complete digital transmission via HDMI or DVI means you gain significant improvements in the picture quality compared to a SCART cable connection. The digital picture connection must have the state-of-the-art HDCP copy protection system. DIGI 200 LCD TVs by Grundig comes with an HDMI/DVI adapter cable which can be used with 2 x HDMI or 2 x DVI.



Grundig DVB Micro Receiver

Just plug it into the SCART socket of a Grundig HD Evolution and the DVB micro receiver becomes a genuine IDTV television. You can operate it using the remote control of the LCD TV, so a second remote control and changing operating levels is no longer necessary. The power supply is also for the TV.

A DVB-T and a DVB-C variation of the mini receiver will also be launched shortly.



Digital Reference Plus II by Grundig

Impressive developments for perfect viewing

Digital Reference Plus II is the latest high-speed chip technology to use the parameters optimised by Grundig engineers for natural TV pictures. Incoming HDTV signals are optimised so that every single pixel is processed. At the same time, any picture errors are detected and immediately optimized. This innovative picture improvement technology results in perfect picture quality, with brilliant colours to the smallest level of detail. DIGI 200 – internal signal processing: The Chassis Platform DIGI 200 (Digital Reference Plus II) can handle panels with 3 x 8 bits and 3 x 10 bits (2 channel 10/8bit LVDS output). The very fast, in-built "Scaler IC" VGC-B works internally in two full channels with 10 bits (dual channel 10 bit video processing). The DIGI 200 "Perfect Clear" function (can be switched on and off) ensures an outstanding, high-contrast picture.

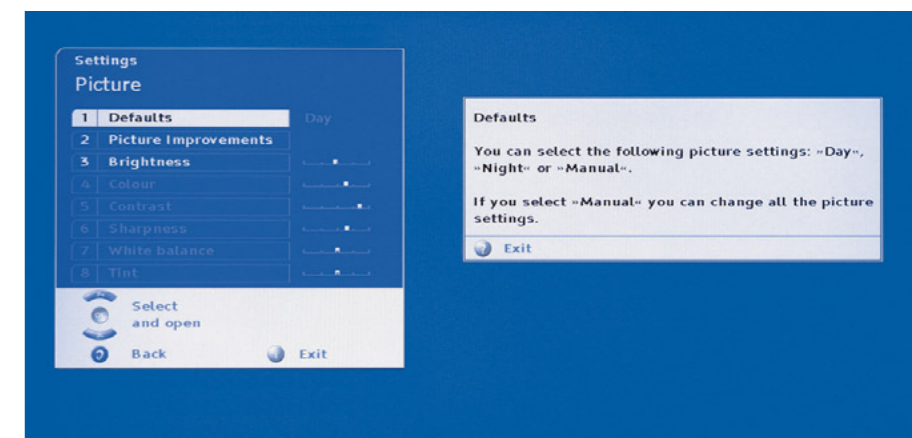
DIGI 200



Easy Dialog by Grundig

Top marks for excellent user-convenience

The much-praised, self-explanatory Grundig Easy Dialog user menu is a clear, fast and easy to use on-screen dialog system. Combined with an integrated electronic operating manual enabling you to easily make your own settings.





Magic Fidelity by Grundig

The patented sound system for great sound

This loudspeaker concept patented for Grundig lets you enjoy a large sound experience even at low volumes, which is a great advantage for flat TVs in particular. The technological basis for this is formed by three amplifier output stages within the device, which are adapted to their speakers in the medium-treble range and to the subwoofer. On the basis of this design, a total of 40 watts of audio power is sufficient to create an outstanding sound.



magic
fidelity



High-Speed Panel

In modern, high-resolution TVs, the use of the latest generation of panels is an important requirement for achieving optimal picture quality. Liquid Crystal Displays (LCDs) of the latest design are distinguished by their high reaction speed, also known as afterglow duration. In the HD Evolution LCD TV by Grundig, the Full HD panel with an afterglow duration of less than 8 ms is of the very highest class. This is achieved by a new technique, known as "overdrive". The Grundig engineers have attained the optimal relationship between the high-speed chip already mentioned and this high-speed panel – resulting in the most natural TV pictures ever achieved.



Natural View

Natural colours in cinema quality

Grundig TVs have always stood for particularly natural pictures. With HD Evolution, colours in cinema quality enter your living room. The colours in the picture are reproduced faithfully and improved when necessary. Here Grundig proves with HD Evolution that the latest digital technology has achieved the maximum in terms of natural colour reproduction.



Traditional PAL colour reproduction



HD Evolution colour reproduction



Dynamic Contrast Plus

The best pictures from light to dark

The picture contrast shows the relationship between the brightest and darkest picture display. Our new dynamic contrast optimisation ensures that the screen always guarantees the best possible contrast for the picture content. And this means optimally adjusted depth of focus.



Traditional PAL contrast



HD Evolution – optimal contrast

The art of television – Grundig Fine Arts with HD Evolution.

The new Fine Arts design series by Grundig combines high end technology with an extravagant design. The elegant mirror surface underlines the clear and timeless character of the Fine Arts TV sets. The glass panel is non-reflective and ensures optimal clarity. But it is not just the

appearance of the Fine Arts with HD Evolution that is impressive: as well as the Full HD resolution with 1920 x 1080 pixels or over 6 million colour pixels, Motion Compensation ensures jerk-free and razor-sharp pictures even for rapid camera movements. The dynamic contrast optimisation program, Dynamic Contrast Plus, ensures the best possible contrast for each individual image and thus provides an excellent depth of focus. The high-end sound system Magic Fidelity, especially developed for Grundig for smaller loudspeakers provides fascinating sound quality with Virtual Dolby Surround. The whole package is rounded off by peripheral devices of all types via HDMI and DVI and ensure that the Grundig Fine Arts leaves nothing to be desired. Who does not want a television at home with all the latest technical features and which also looks sensational?



Personal Remote 100 system remote control

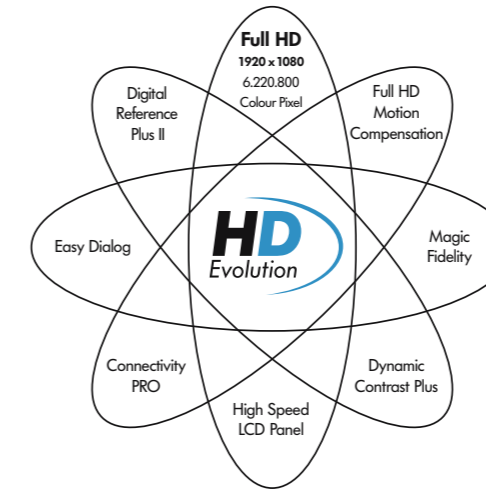
Four in one – the system remote control Personal Remote 100 replaces up to four remote controls and can operate all the functions of your television, DVB receiver, HDD/DVD recorder and DVD player.



Fine Arts 42

LXW 110-9650 FHD

A high-quality LCD TV design with 107 cm Active Matrix TFT-LC display in 16:9 format and with HD Evolution. Full HD resolution 1920 x 1080 – corresponds to 6.22 million colour pixels. Innovative high-speed panel with a maximum of 5 ms reaction time. Digital Reference Plus II technology for image optimisation and the Motion Compensation chip technology for ensuring natural motion during fast on screen movements. Dynamic Contrast Plus for contrast optimisation. Dynamic contrast ratio 2,600:1. Luminance density 500 cd/m². 178° viewing angle (horizontal/vertical). Ready for HDTV, including HDCP copy protection. Magic Fidelity sound system and Virtual Dolby® Surround for captivating sound. Self-explanatory, convenient Easy Dialog user menu. 2 HDMI inputs (1 x via DVI/HDMI adapter). Dimensions: approx. 111.5 x 81.8 x 12.5 cm (30.5 cm with pedestal). Weight: approx. 41 kg.



Fine Arts 37

LXW 94-9650 FHD

High-quality LCD TV design, such as Fine Arts 42, with 94 cm Active Matrix TFT LC display in 16:9 format with HD Evolution, high speed panel with max. reaction time of 8 ms and 176° viewing angle (horizontal/vertical). Dimensions: 98.5 x 73.3 x 11.3 cm (30 cm with pedestal). Weight: approx. 32.8 kg.

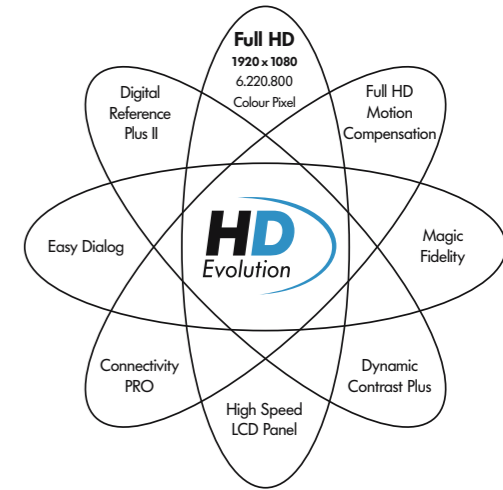
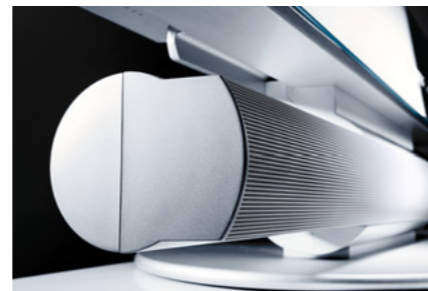


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Exclusive and high-quality Tharus LCD TV range with HD Evolution.

Tharus – the expression of new exclusivity. This LCD TV combines high-end technology with an eye-catching design. The elegant brushed aluminium surface underlines its clear and timeless character. A new dimension for perfect viewing: Grundig HD Evolution: pictures and films that are more natural than ever, utterly smooth object motion, maximum picture sharpness and optimum contrasts.



Tharus 37 LXW 94-9745 FHD

94 cm Active Matrix TFT-LC display in 16:9 format with HD Evolution. Full HD resolution 1920 x 1080 – corresponds to 6.22 million colour pixels. Innovative high-speed panel with a maximum of 8 ms reaction time. Digital Reference Plus II technology for image optimisation and the Motion Compensation chip technology for ensuring natural motion during fast on screen movements. Dynamic Contrast Plus for contrast optimisation. Dynamic contrast ratio 2,600:1. Luminance density 500 cd/m². 176° viewing angle (horizontal/vertical). Ready for HDTV, including HDCP copy protection. Magic Fidelity sound system and Virtual Dolby® Surround for captivating sound. Self-explanatory and convenient Easy Dialog user menu. 2 HDMI inputs (1 x via DVI/HDMI adapter). Dimensions: approx. 98.5 x 73.3 x 11.3 cm (30.0 cm with pedestal). Weight: approx. 32.8 kg.



Technology meets elegance. The Lenaro LCD with HD Evolution.

The Lenaro with HD Evolution has Full HD and television pictures in a resolution of over 6 million colour pixels. At the heart of the Lenaro lies Grundig's Digital Reference Plus II Technology. Thanks to this technology for digital signal processing, the weaknesses of the television transmission system can be removed and nearly all interference from digital artefacts are prevented. The outcome is

a completely natural television picture, like nothing you've ever seen before: experience fantastic colours and wonderfully contrasted pictures in cinema quality. And the Magic Fidelity sound system patented for Grundig gives you the matching sound in your living room. Of course, this intelligent technology also has an elegant exterior.



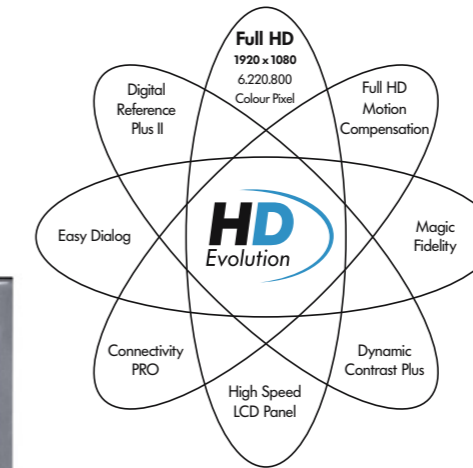
Lenaro 37

LXW 94-8640 FHD

Like the Lenaro 42 but with a 94 cm Active Matrix TFT-LC display in 16:9 format with HD Evolution. Innovative high-speed panel with a maximum of 8 ms reaction time. Digital Reference Plus II technology for image optimisation and the Motion Compensation chip technology for ensuring natural motion during fast on screen movements. 176° viewing angle (horizontal/vertical). Dimensions: approx. 96.3 x 70.7 x 14 cm (33 cm with pedestal). Weight: approx. 29 kg.



Lenaro 37 and 42 FHD are available from July 07 with a revolving and swivel glass pedestal.



Lenaro 42

LXW 110-8740 FHD

107 cm Active Matrix TFT-LC display in 16:9 format with HD Evolution. Full HD resolution 1920 x 1080 – corresponds to 6.22 million colour pixels. Innovative high-speed panel with a maximum of 5 ms reaction time. Digital Reference Plus II technology for image optimisation and the Motion Compensation chip technology for ensuring natural motion during fast on screen movements. Dynamic Contrast Plus for contrast optimisation. Dynamic contrast ratio 2600:1. Luminance density 500 cd/m². 178° viewing angle (horizontal/vertical). Ready for HDTV, including HDCP copy protection. Magic Fidelity sound system and Virtual Dolby® Surround for captivating sound. Self-explanatory and convenient Easy Dialog user menu. 2 HDMI inputs (1 x via DVI/HDMI adapter). Dimensions: approx. 108.2 x 80.7 x 12.3 cm (33 cm with pedestal). Weight: approx. 31.1 kg.



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Timeless design and fascinating pictures. Vision+ with DIGI 200.

Our successful "Vision" range has now become "Vision+". The PLUS sign stands for DIGI 200, which is now integrated into Vision and ensures superbly sharp pictures. And all this is provided with the captivating sound experience from the unique Magic Fidelity System. Peripheral devices are connected via digital interfaces and Easy Dialog, the integrated electronic operating manual ensures that the Vision+ LCD is easy to use.

Vision+ 32

LXW 82-9740 Dolby

81 cm Active Matrix TFT-LC display (1366 x 768 pixels) in 16:9 format with the innovative DIGI 200 TV concept. Digital Reference Plus II technology for image optimisation and the Motion Compensation chip technology for ensuring natural motion during fast on screen movements. Luminance density 500 cd/m². Contrast ratio 1000:1. 178° viewing angle (horizontal/vertical). Maximum of 8 ms reaction time. Ready for HDTV, including HDCP copy protection via HDMI or DVI. Magic Fidelity sound system and Virtual Dolby® Surround for captivating sound. Self-explanatory and convenient Easy Dialog user menu. 2 HDMI inputs (1 x via DVI/HDMI adapter). Dimensions: approx. 82.5 x 61.9 x 11.4 cm (25.1 cm with pedestal). Weight: approx. 25.1 kg.



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DIGI 200



Vision+ 26

LXW 68-9740 Dolby

Just like Vision+ 32, but with a 66 cm Active Matrix TFT-LC display in 16:9 format with the innovative DIGI 200 TV concept. Digital Reference Plus II technology for picture optimization without Motion Compensation. Contrast ratio 800:1. Maximum reaction time of 5 ms. Dimensions: approx. 69.1 x 54.4 x 11.2 cm (24 cm with pedestal). Weight: approx. 18.6 kg.



Perfect entertainment for the perfect evening. Grundig DVD player – for razor-sharp digital photos too.

You will be impressed – and not only with our elegant design and ease of use. The Grundig DVD player GDP 3560 has an HDMI output and a scaler, and will turn your living room into a real home cinema. Our DVD player can be used to show HD-JPEGs with 2 mega pixels on a Full HD screen.

Conventional DVD players only have approx. 400,000 pixels. It also scales the existing 720 x 576 pixels of a DVD to the Full HD grid of 2 million pixels. Enjoy your favourite films on DVD or show your digital photo archive in your own four walls.



GDP 3560

DVD player with HDMI output for digital picture and audio output. It has picture formats at resolutions of 576p, 720p or 1080i and HD-JPEG with 2 mega pixels (1920 x 1080). Audio formats: PCM and compressed audio. Playable disc formats*: DVD video, DVD+R/RW, DVD-R/RW, Nero Digital DVD, DivX DVD, JPEG DVD, Nero Digital CD, DivX CD, Super video CD, video CD (2.0), JPEG CD, Kodak picture CD, audio CD, CD-R and CD-RW in CD-DA, WMA and MP3 formats. YUV sockets for output of full pictures in progressive scan format (improved picture quality when connected to high-quality LCD television or to a projector). Surround Sound for a surround sound without additional speakers. Digital audio output (optical and coaxial). Easy operation via OSD. Housing colour: silver.

Crisp, sharp holiday photos in HD-JPEG format on a Full HD 1920 x 1080 screen loaded from the Grundig DVD player GDP 3560.

Important technical terms – easily explained!

HD ready

The HD ready label classifies the technical features of LCD TVs and their ability to show high resolution television pictures (HDTV). The European Information, Communications and Consumer Electronics Technology Industry Association (EICTA) has defined the guidelines for HD ready certification:

- In a 16:9 wide-screen format, the display must have a physical vertical picture resolution of at least 720 lines.
- The electronics must be able to process analogue as well as digital signals for high resolution video pictures.
- A high-quality component input (YUV) with a progressive picture display must be available for analogue picture signals.
- HDMI or DVI connections can be used for digital picture signals.
- The digital connections must be coupled with the HDCP copy protection system.

Full HD with 1920 x 1080 pixels

Full HD means "high definition television". This refers to the characteristics of a HDTV compatible television which is able to generate the highest possible HD resolution of 1:1. The best televisions have the highest possible resolution in High Definition, namely 1920 x 1080 pixels in full screen.

Motion Compensation

Grundig has been the first to achieve the technology for Full HD with Motion Compensation, which provides outstanding picture quality for natural motion and even for fast movements, such as in sports. For every two movement phases, the device calculates a third and inserts it between them. This makes the picture smoother, sharper and more detailed. Above all, this eliminates the blurring and jerking motions which often occur during fast camera movements.

Digital Reference Plus II technology

The picture improvement technology, Digital Reference Plus II optimises the control for each individual pixel in the signal processing, and simultaneously recognises and removes picture faults.

Digital 3D comb filter

On old TV sets the picture often shows shimmering colour distortions in fine structures such as found on coarsely-woven or checked material. To minimize this distortion, a state-of-the-art 3D comb filter is integrated as part of Grundig's picture improvement concept for the HD Evolution LCD TVs.

Digital Colour Transition Improvement (DCTI) and Digital Luminance Transition Improvement (DLTI)

In addition to the digital 3D comb filter, there is the Digital Colour Transition Improvement (DCTI) and the Digital Luminance Transition Improvement (DLTI), which are also part of the Grundig picture improvement concept. DCTI improves the colour display on the screen as it counteracts the "blurring" of colours. DLTI heightens the black and white contours on the television picture and improves the differences in brightness on the screen.

Larger viewing angle

The larger viewing angle of 178° allows you to enjoy the picture quality of the Grundig HD Evolution LCD TVs from practically any camera angle without losing any colour or brightness. Just what you need for getting together with the whole family for pure television enjoyment in front of a large-format flat screen TV.

Virtual Dolby® Surround

Virtual Dolby® Surround is technology developed by Dolby that simulates the sound of a surround system on your television loudspeakers. Dolby Surround Effect was created as an innovative, electronic solution which is integrated in the television and only requires two loudspeakers.

HDMI/DVI

HDMI (High Definition Multimedia Interface) is the digital connection of the future. An HDMI cable transmits signals for digital pictures, digital surround sound and digital appliance control. The digital picture connection must have the state-of-the-art HDCP copy protection system (High Bandwidth Digital Content Protection). Digital Video Interface (DVI) is an interface for digitally transferring video data – for LCDs with DIGI 200 chassis and for digital audio signals. Using a DVI input on the television, signals from digital sources such as a HDD recorder or a DVD player are processed. Complete digital transmission means you gain significant improvements in the picture quality compared to a SCART cable connection. Converting from digital to analogue and back to digital is no longer necessary when using DVI.

Progressive Scan (YUV)

Progressive Scan is technology for the picture structure on television sets. The television is fed with real full frames instead of the usual alternate fields. The picture is then sharper and smoother and flickering is completely eliminated. To get this connection, television sets require a source that can transmit the Progressive Scan pictures (such as a DVD player) either an analogue VGA or YUV input (Component Video) or a digital DVI or HDMI connection.

System remote control PR 100/TP 170 C

Four in one – the system remote control replaces up to four remote controls and can operate all the functions of your television, DVB receiver, HDD/DVD recorder and DVD player. The remote control is specially designed for our high-class range of televisions. The distinctive Grundig Telepilot design shows its quality with the silver metallic surfaces and the improved feel and balance.

LCD TELEVISIONS	Fine Arts 42 LXW 110-9650 FHD	Lenaro 42 LXW 110-8640 FHD	Fine Arts 37 LXW 94-9650 FHD	Tharus 37 LXW 94-9745 FHD
Picture				
Display	Active Matrix TFT-LC display	Active Matrix TFT-LC display	Active Matrix TFT-LC display	Active Matrix TFT-LC display
Display diagonals approx. inch / cm	42 / 107	42 / 107	37 / 94	37 / 94
Picture ratio 16:9 (wide screen format)	*	*	*	*
Reaction time approx. in ms	5	5	8	8
Luminous density of panel approx. cd / m ²	500	500	500	500
Contrast ratio approx.	2.600 : 1 (dynamic)	2.600 : 1 (dynamic)	2.600 : 1 (dynamic)	2.600 : 1 (dynamic)
Camera angle approx.	178° vertical, 178° horizontal	178° vertical, 178° horizontal	176° vertical, 176° horizontal	176° vertical, 176° horizontal
Max. resolution RGB pixels	WUXGA 1920 x 1080 (Full HD)	WUXGA 1920 x 1080 (Full HD)	WUXGA 1920 x 1080 (Full HD)	WUXGA 1920 x 1080 (Full HD)
Digital Reference Plus II technology	*	*	*	*
Motion Compensation	*	*	*	*
10 bit technology	*	*	*	*
Perfect Clear	*	*	*	*
HD ready	*	*	*	*
Improved colour display (DCTI)	*	*	*	*
Picture focus setting / comb filter	*/• (3D)	*/• (3D)	*/• (3D)	*/• (3D)
Electronic				
Easy Dialog system / intelligent operating concept	*/•	*/•	*/•	*/•
Automatic station programming	*	*	*	*
Picture-in-picture (PIP)	1 tuner AV PIP	1 tuner AV PIP	1 tuner AV PIP	1 tuner AV PIP
PAT – split screen (picture / text)	*	*	*	*
Station presets TV / AV	99 / 7	99 / 7	99 / 7	99 / 7
Teletext / page memory	• (Level 2.5) / 2.000	• (Level 2.5) / 2.000	• (Level 2.5) / 2.000	• (Level 2.5) / 2.000
TV standard	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, I) + 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, I) + 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, I) + 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, I) + 6.52 MHz (I)
Can be operated directly on TV	–	–	–	–
Infra-red remote control	Personal Remote 100	Tele-Pilot® 170 C	Personal Remote 100	Tele-Pilot® 170 C
Sound				
Audio power / sine output approx. Watt	3 channel active 40 / 24	3 channel active 40 / 24	3 channel active 40 / 24	3 channel active 40 / 24
Magic Fidelity / Virtual Dolby Surround	*/•	*/•	*/•	*/•
Headphones can be operated separately	*	*	*	*
Two-channel headphones for two-channel sound	*	*	*	*
Speaker	2 high/mid-range and 1 bass loudspeaker	2 high/mid-range and 1 bass loudspeaker	2 high/mid-range and 1 bass loudspeaker	2 high/mid-range and 1 bass loudspeaker
Connections / sockets				
HDMI	• (2x ; 1x via DVI-HDMI adapter)	• (2x ; 1x via DVI-HDMI adapter)	• (2x ; 1x via DVI-HDMI adapter)	• (2x ; 1x via DVI-HDMI adapter)
DVI	• DVI-I	• DVI-I	• DVI-I	• DVI-I
HDCP	• (via HDMI / DVI)	• (via HDMI / DVI)	• (via HDMI / DVI)	• (via HDMI / DVI)
SCART socket / RGB and S-Video compatible	2x / 2x RGB	2x / 2x RGB	2x / 2x RGB	2x / 2x RGB
YUV sockets	• (3x RCA video, 2x RCA audio)	• (3x RCA video, 2x RCA audio)	• (3x RCA video, 2x RCA audio)	• (3x RCA video, 2x RCA audio)
S-Video input (Hosiden)	• (at the side)	• (at the side)	• (at the side)	• (at the side)
RCA sockets	*	*	*	*
VGA for PC	• (Multisync WXGA via DVI-I)	• (Multisync WXGA via DVI-I)	• (Multisync WXGA via DVI-I)	• (Multisync WXGA via DVI-I)
SPDIF output	• (optical)	• (optical)	• (optical)	• (optical)
Headphone socket (Ø 3.5 mm)	*	*	*	*
Power supply				
Voltage (control range), frequency 50/60 Hz	V– 230	230	230	230
Power supply unit integrated	*	*	*	*
Power consumption in TV mode/standby approx. Watt	230 / < 2	230 / < 2	171 / < 2	171 / < 2
Weight approx. kg	41	34.1	32.8	25.1
Dimensions (width x height x depth) approx. cm	111.5 x 81.8 x 12.5 cm (30.5 cm with pedestal)	108.2 x 80.7 x 12.3 cm (30.5 cm with pedestal)	98.5 x 73.3 x 11.3 cm (30 cm with pedestal)	98.5 x 73.3 x 11.3 cm (30 cm with pedestal)

Technical data E. & O.E.

LCD TELEVISIONS	Lenaro 37 LXW 94-8640 FHD	Vision+ 32 LXW 82-9740 Dolby	Vision+ 26 LXW 68-9740 Dolby
Picture			
Display	Active Matrix TFT-LC display	Active Matrix TFT-LC display	Active Matrix TFT-LC display
Display diagonals approx. inch / cm	37 / 94	32 / 81	26 / 66
Picture ratio 16:9 (wide screen format)	*	*	*
Reaction time approx. in ms	8	8	5
Luminous density of panel approx. cd / m ²	500	500	500
Contrast ratio approx.	2.600 : 1 (dynamic)	800 : 1	1.000 : 1
Camera angle approx.	176° vertical, 176° horizontal	178° vertical, 178° horizontal	178° vertical, 178° horizontal
Max. resolution RGB pixels	WUXGA 1920 x 1080 (Full HD)	WXGA 1366 x 768	WXGA 1366 x 768
Digital Reference Plus II technology	*	*	*
Motion Compensation	*	*	–
10 bit technology	*	*	*
Perfect Clear	*	*	*
HD ready	*	*	*
Improved colour display (DCTI)	*	*	*
Picture focus setting / comb filter	*/• (3D)	*/• (3D)	*/• (3D)
Electronic			
Easy Dialog system / intelligent operating concept	*/•	*/•	*/•
Automatic station programming	*	*	*
Picture-in-picture (PIP)	1 tuner AV PIP	1 tuner AV PIP	1 tuner AV PIP
PAT – split screen (picture / text)	*	*	*
Station presets TV / AV	99 / 7	99 / 7	99 / 7
Teletext / page memory	• (Level 2.5) / 2.000	• (Level 2.5) / 2.000	• (Level 2.5) / 2.000
TV standard	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, I) + 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, I) + 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, I) + 6.52 MHz (I)
Can be operated directly on TV	–	–	–
Infra-red remote control	Tele-Pilot® 170 C	Tele-Pilot® 170 C	Tele-Pilot® 170 C
Sound			
Audio power / sine output approx. Watt	3 channel active 40 / 24	3 channel active 40 / 22	3 channel active 40 / 22
Magic Fidelity / Virtual Dolby Surround	*/•	*/•	*/•
Headphones can be operated separately	*	*	*
Two-channel headphones for two-channel sound	*	*	*
Speaker	2 high/mid-range and 2 bass loudspeaker	2 high/mid-range and 1 bass loudspeaker	2 high/mid-range and 1 bass loudspeaker
Connections / sockets			
HDMI	• (2x ; 1x via DVI-HDMI adapter)	• (2x ; 1x via DVI-HDMI adapter)	• (2x ; 1x via DVI-HDMI adapter)
DVI	• DVI-I	• DVI-I	• DVI-I
HDCP	• (via HDMI / DVI)	• (via HDMI / DVI)	• (via HDMI / DVI)
SCART socket / RGB and S-Video compatible	2x / 2x RGB	2x / 2x RGB	2x / 2x RGB
YUV sockets	• (3x RCA video, 2x RCA audio)	• (3x RCA video, 2x RCA audio)	• (3x RCA video, 2x RCA audio)
S-Video input (Hosiden)	• (at the side)	*	*
RCA sockets	• (at the side)	*	*
VGA for PC	• (Multisync WXGA via DVI-I)	• (Multisync WXGA via DVI-I)	• (Multisync WXGA via DVI-I)
SPDIF output	• (optical)	• (optical)	• (optical)
Headphone socket (Ø 3.5 mm)	*	*	*
Power supply			
Voltage (control range), frequency 50/60 Hz	V– 230	230	230
Power supply unit integrated	*	*	*
Power consumption in TV mode/standby approx. Watt	171 / < 2	1)	1)
Weight approx. kg	29	25.1	18.6
Dimensions (width x height x depth) approx. cm	96.3 x 70.7 x 14 cm (33 cm with pedestal)	82.5 x 61.9 x 11.4 cm (25.1 cm with pedestal)	69.1 x 54.4 x 11.2 cm (24 cm with pedestal)

Technical data E. & O.E.

1) Data not available at time of print.

DVD PLAYER	GDP 3560
Playable disc formats 12/8 cm	DVD video / DVD+RW / DVD-RW / DVD+R / DVD-R / MPEG4SP-DVD / Audio CD / CD-R / CD-RW / Video CD (2.0) / S-VCD / MP3 / JPEG / HD-JPEG/Kodak picture CD / WMA
Nero digital (certified)	*
DivX (Home Theater certified)	*
Picture Viewer	• /JPEG / Kodak Picture CD
Laser scanning	2 lasers (1 x CD, 1 x DVD)
PAL/NTSC playback	*/•
Video	
Video D/A converter	27 MHz (10 bits)
Horizontal resolution (DVD) SD / HD	576i, 576p / 720p, 1080i
Progressive Scan PAL / NTSC	*
Digital video improvement for freeze-frame / Black noise reduction	*/•
Audio	
Digital/analogue converter	96 kHz /24 bits
Frequency range DVD 48 kHz / 96 kHz	4 Hz – 22 kHz / 4 Hz – 44 kHz
Frequency range CD 44.1 kHz	4 Hz – 20 kHz
Dynamic range (1 kHz) / Signal noise reduction (1 kHz) Dynamic adjustment	dB 80 / 90
Audio downsampling	*
Digital audio decoder	Dolby Digital AC3, MPEG 2, MP3, MP4, WMA
Digital outputs	Dolby Digital AC3, MPEG, DTS, PCM
Dolby ProLogic	*
Virtual surround sound	*
Playback functions	
Fast forwards/reverse picture search	2/4/8/20 times
Skip track/chapter (Skip)	*
Direct chapter selection with 10 button keyboard	*
Perfect freeze-frame / single picture playback	*/•
Reverse and forwards slow motion	1/2, 1/4, 1/6, 1/7
Repeat mode (Repeat)	Track/chapter/sequence A – B
Random play / Program play (CD, MP3)	*/•
Special functions	
Zoom	*
Parental control	*
Language selection (dubbed language, subtitles) ¹⁾	*
Camera angle selection (multi-angle) ¹⁾	*
Operating features	
Infra-red remote control	TP 81 D with Grundig TV basic functions
OSD on-screen display	*
Connections	
HDMI / HDCP	*
YUV sockets (Progressive Scan; 3 x RCA)	*
SCART sockets	1 x (RGB)
RCA video outputs (CVBS) / RCA audio stereo downmix	*/•
S-Video socket (Y/C) out	*
Digital audio output (optical and coaxial)	*/•
Power supply	
Mains voltage	V– 100 – 240, 50 – 60 Hz
Max. power consumption in standby approx. Watt	15 / < 1
Weight approx. kg	2.2
Dimensions (width x height x depth) approx. cm	43 x 4.3 x 25.7

Technical data E. & O.E.

Visit our Internet site: **www.grundig.de**

Here we present the HD Evolution to you interactively with all its special features.
If you have any queries, our customer service centre will answer them personally
in Germany at 01 80 / 5 23 18 80*, in Austria at 08 20 / 2 20 33 22**

* 14 cent/min. from a German landline / ** 14.53 cent/min. from an Austrian landline

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