VESTEL TV 2018
Vestel City, which comprises nine plants located in Manisa, is amongst the biggest industrial complexes of the world.

As one of the leading enterprises in Turkey, Vestel is a major player in consumer electronics, mobile technologies, household appliances, professional displays and LED lighting with renowned products, including television sets, educational, hospitality and digital signage solutions, digital set-top boxes, tablet PCs, smart phones, refrigerators, washing machines, cooking appliances, dishwashers, air conditioners, and water heaters.

Leading the European market in digital products, Vestel has established agreements with the major digital television operators in Europe for the production of digital television and set-top boxes.

Total productive maintenance and the six sigma approach implemented throughout the manufacturing process improve efficiency and productivity in all areas, making Vestel a world-class manufacturer.

With an annual manufacturing capacity of 18 million television sets, Vestel controls 20 percent of the European market for flat panel televisions.

In 2013, the company started built-in module system production based on assembling TVs on a glass cell, and installed robotic lines for the automation of the LED TV assembly. The complete system, named as cell-in tv-out, helps the company to increase efficiency and product quality by all means.

By investing more than 50 million US dollars in LCD panel production over the last few years, Vestel is proud to be the first company in Europe to realise bonding, backlight and module assembly.

Keeping up with the fast developing mobile technologies and interactivity of different devices, Vestel launched tablet PCs, smart phones and developed the Smart Center technology allowing interaction of Vestel Smart TVs with mobile devices.

R&D facilities located in Manisa, Istanbul, the UK, and China employ the highest caliber engineers to develop hardware and software solutions that provide clients with world-class quality products.

The total R&D investment in 2014 exceeded 90 million US dollars.

Vestel has proven its success in product design by receiving the most prestigious design awards every year from well-known industrial design organisations for a variety of products.

Vestel Trade, the company responsible for the marketing and sales of Vestel products overseas, exports 73% percent of its production under leading Japanese and European brands to 155 countries.

Achieving export sales of 8.3 million units of electronics and 4.8 million units of household appliances, the company is proud to account for 91 percent of the television and 28 percent of the white goods exports in Turkey.
GLOBAL OPERATIONS

Manufacturing & Assembly Plants
- LED TV, HD, IP/OTT, PVR Set-top Boxes – Manisa, Turkey
- Professional Displays, Tablet PC, Smart Phone, LED lighting – Manisa Turkey
- Refrigerator, Washing Machine, Dishwasher, Tumble Dryer, Cooking Appliances, Air Conditioner, Water Heater – Manisa, Turkey

Marketing & Sales Companies
- Vestel Trade, Turkey
- Vestel France, France
- Vestel Germany, Germany
- Vestel UK, The UK
- Vestel Iberia, Spain
- Gruppo Industriale Vesit, Italy
- Vestel Benelux, The Netherlands
- Vestel CIS Ltd, Russia
- Vestel Electronica, Romania
- Vestel Scandinavia, Finland
- Vestfrost Household, Denmark
- Vestel Central Asia, Kazakhstan

R&D Centers
- Manisa, Turkey
- Istanbul, Turkey
- Bristol, UK
- Shanghai, China
Modern TV design is changing day by day with the improvements in technology. It is also subject to change in Vestel as a leading technology investor and design manufacturer. Nowadays, TVs become less visible, ultra-thin elegant designs are more integrated onto the surrounding surfaces like walls, doorways, anywhere. These designs come with extraordinary technology of high quality resolution in well-sized TVs. The design of TVs will go beyond the standards with simple beautiful cabinet and shelving, we will see the space softened by few accessories around its astonishing pictures.
You will meet not just a new TV but a new world with Vestel OLED TV. Vestel OLED TV takes you to another dimension which you have never experienced before. Experience the real contrast with self-illuminated organic pixels which enables you to feel the real darkness. This new flagship product of Vestel offers you the deepest blacks to maximize your TV entertainment pleasure. At the same time, you will be able to have the brightness and colors you see in real life through the pixels of OLED TV which could set their own brightness independently. HDR technology with Vestel’s innovative product, you are starting a journey to fascinating places rather than watching TV. Without the need of a backlight, OLED TV can reach the ultra slim design which is 3.7 mm and welcomes you with elegance.

<table>
<thead>
<tr>
<th>SIZE</th>
<th>X</th>
<th>Y</th>
<th>T1</th>
<th>T2</th>
<th>T3</th>
</tr>
</thead>
<tbody>
<tr>
<td>55” OLED</td>
<td>3.6 mm</td>
<td>4.70 mm</td>
<td>8 mm</td>
<td>45.50 mm</td>
<td>55.50 mm</td>
</tr>
<tr>
<td>65” OLED</td>
<td>3.7 mm</td>
<td>4.70 mm</td>
<td>8 mm</td>
<td>45.50 mm</td>
<td>56.00 mm</td>
</tr>
</tbody>
</table>
DESIGN AND TECHNOLOGY

BORDERLESS TV

Forget about all your expectations from a classy TV design. New Borderless TV will change your criteria of elegance. It will fulfill your stylish dreams with reduced thickness and weight of ultra slim design help you to enjoy enhanced elegancy in display technology. Attractiveness of design is the key and innovative concept of TV rather than its technological features. As the back depth thickness is very small, this different design definitely add value to costumer’s viewing experience as well as adding value to your room thanks to its design elements With this differentiated boutique concept, you will feel special every time you look at your state of the art. The style of Borderless TV definitely aligns with your perspective of grace.

<table>
<thead>
<tr>
<th>SIZE</th>
<th>X</th>
<th>Y</th>
<th>T1</th>
<th>T2</th>
<th>T3</th>
</tr>
</thead>
<tbody>
<tr>
<td>65&quot; Borderless</td>
<td>4 mm</td>
<td>19,5 mm</td>
<td>7,9 mm</td>
<td>47 mm</td>
<td>47 mm</td>
</tr>
</tbody>
</table>
Enjoy your TV experience with 415’s super slim nature and LED technology. Elron 415 will bring your home entertainment to another level with its UI/UX design details and technological features. In this brand new TV, Vestel offers you an affordable high-end metal frame design with less than 10 mm panel thickness and 6mm frame thickness. The new trendy metal stand design adds value to its attraction as well as your home.
BMS Technology and LED Designs

Vestel uses own in-house design process in order to build huge amount of various TV models in different sizes and cosmetics. This system is called BMS (Built-in Module System) technology that allows supply of the cell only and rest of the materials including light filters, light-guide plates and backlight systems are separately built by Vestel. Therefore, BMS technology is the perfect supporter of flexibility in production and flexibility in defining various combinations of TV product in terms of size and cosmetic design. Thanks to BMS technology, Vestel has become expert in meeting various customer demands that makes Vestel company pioneer OEM/ODM TV manufacturer globally. Via BMS technology, 2 main design models are applied by Vestel. These design models are segmented based on the bezel thicknesses.

BORDERLESS

Vestel Borderless technology is the BMS design offered by Vestel. Bezel thickness of this design is 4 mm which definitelly add value to costumer's viewing experience as well as adding value to your room thanks to its elegance.

UNB (ULTRA NARROW BEZEL) DESIGN

Vestel UNB (Ultra Narrow Bezel) technology is the newest design segment that is offered by Vestel. UNB models are built by including front metal frame starting from 6 mm. Moreover, UNB models are ELED and SLIM DLED systems in order to cover any advantage of ELED and DLED systems.

VNB (VERY NARROW BEZEL) DESIGN

Vestel VNB (Very Narrow Bezel) technology which is another specific design subset of BMS technology allows production of TVs with plastic fronts starting from 10 mm to provide users very wide watching area on the screen for an amazing watching experience.
### UHD TV (4Kx2K) TV

#### New DLED VNB Family

<table>
<thead>
<tr>
<th>Bezel Thickness</th>
<th>Back Depth</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>X1</td>
</tr>
<tr>
<td>32&quot; DLED VNB UHD</td>
<td>13,5 mm</td>
</tr>
<tr>
<td>40&quot; DLED VNB UHD</td>
<td>13,5 mm</td>
</tr>
<tr>
<td>43&quot; DLED VNB UHD</td>
<td>15,0 mm</td>
</tr>
<tr>
<td>49&quot; DLED VNB UHD</td>
<td>15,6 mm</td>
</tr>
<tr>
<td>50&quot; DLED VNB UHD</td>
<td>15,6 mm</td>
</tr>
<tr>
<td>55&quot; DLED VNB UHD</td>
<td>15,6 mm</td>
</tr>
</tbody>
</table>

#### Design and Technology

<table>
<thead>
<tr>
<th>Bezel Thickness</th>
<th>Back Depth</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>X1</td>
</tr>
<tr>
<td>20&quot; ELED VNB</td>
<td>18,5 mm</td>
</tr>
<tr>
<td>22&quot; ELED VNB</td>
<td>18,5 mm</td>
</tr>
<tr>
<td>23&quot; ELED VNB</td>
<td>12,4 mm</td>
</tr>
<tr>
<td>24&quot; ELED VNB</td>
<td>13,0 mm</td>
</tr>
<tr>
<td>28&quot; ELED VNB</td>
<td>13,5 mm</td>
</tr>
<tr>
<td>32&quot; ELED VNB</td>
<td>13,5 mm</td>
</tr>
<tr>
<td>39&quot; ELED VNB</td>
<td>13,5 mm</td>
</tr>
<tr>
<td>40&quot; ELED VNB</td>
<td>13,7 mm</td>
</tr>
<tr>
<td>40&quot; UNB</td>
<td>5,5 mm</td>
</tr>
<tr>
<td>43&quot; UNB</td>
<td>5,9 mm</td>
</tr>
<tr>
<td>49&quot; UNB</td>
<td>5,9 mm</td>
</tr>
<tr>
<td>55&quot; UNB</td>
<td>7,0 mm</td>
</tr>
<tr>
<td>32&quot; FHD VNB</td>
<td>13,5 mm</td>
</tr>
<tr>
<td>40&quot; FHD VNB</td>
<td>13,5 mm</td>
</tr>
<tr>
<td>43&quot; FHD VNB</td>
<td>13,5 mm</td>
</tr>
<tr>
<td>48&quot; FHD VNB</td>
<td>15,0 mm</td>
</tr>
<tr>
<td>49&quot; FHD VNB</td>
<td>15,0 mm</td>
</tr>
<tr>
<td>50&quot; FHD VNB</td>
<td>16,5 mm</td>
</tr>
<tr>
<td>55&quot; FHD VNB</td>
<td>16,5 mm</td>
</tr>
<tr>
<td>40&quot; UHD VNB</td>
<td>13,5 mm</td>
</tr>
<tr>
<td>43&quot; UHD VNB</td>
<td>14,0 mm</td>
</tr>
<tr>
<td>49&quot; UHD VNB</td>
<td>15,6 mm</td>
</tr>
<tr>
<td>50&quot; UHD VNB</td>
<td>15,6 mm</td>
</tr>
<tr>
<td>55&quot; UHD VNB</td>
<td>15,6 mm</td>
</tr>
<tr>
<td>40&quot; UHD UNB</td>
<td>5,5 mm</td>
</tr>
<tr>
<td>43&quot; UHD UNB</td>
<td>5,9 mm</td>
</tr>
<tr>
<td>49&quot; UHD UNB</td>
<td>5,9 mm</td>
</tr>
<tr>
<td>50&quot; UHD UNB</td>
<td>5,9 mm</td>
</tr>
<tr>
<td>55&quot; UHD UNB</td>
<td>7,0 mm</td>
</tr>
</tbody>
</table>

### Bezel Thickness vs Back Depth

<table>
<thead>
<tr>
<th>Bezel Thickness</th>
<th>Back Depth</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>X1</td>
</tr>
<tr>
<td>20&quot; ELED VNB</td>
<td>18,5 mm</td>
</tr>
<tr>
<td>22&quot; ELED VNB</td>
<td>18,5 mm</td>
</tr>
<tr>
<td>24&quot; ELED VNB</td>
<td>13,0 mm</td>
</tr>
<tr>
<td>28&quot; ELED VNB</td>
<td>13,5 mm</td>
</tr>
<tr>
<td>32&quot; ELED VNB</td>
<td>13,5 mm</td>
</tr>
<tr>
<td>39&quot; ELED VNB</td>
<td>13,5 mm</td>
</tr>
<tr>
<td>40&quot; ELED VNB</td>
<td>13,7 mm</td>
</tr>
<tr>
<td>40&quot; UNB</td>
<td>5,5 mm</td>
</tr>
<tr>
<td>43&quot; UNB</td>
<td>5,9 mm</td>
</tr>
<tr>
<td>49&quot; UNB</td>
<td>5,9 mm</td>
</tr>
<tr>
<td>55&quot; UNB</td>
<td>7,0 mm</td>
</tr>
</tbody>
</table>
UHD, the abbreviation for ‘Ultra High Definition’, is the most popular issue in TV business worldwide. Basically, UHD TV provides resolution of 3840x2160 (4K:2K) which equals to 4 times resolution of Full HD TV by doubling the pixel count of the Full HD TV both horizontally and vertically.

Vestel UHD TV offers an extreme watching experience with sharper and more colorful pictures thanks to higher pixel count. You will catch every detail on every corner of the screen thanks to stunning image production. Moreover, you will feel like living in a colorful virtual world while watching a scene on your UHD screen. While watching your favorite movie, watching a sports event or your favorite TV series delusive events are brought to your living room to fulfill your imaginations.

Thanks to its state of art industrial design and lifelike colorful image presentation, you will feel like that you are surrounded by paintings of famous artists in an art gallery while Vestel UHD TV is around.
Vestel HDR TV meets your expectations from a TV with better pictures, in matter of more contrast with more color accuracy. The high quality images give the TV picture astonishing dynamic look where details in dark and bright areas are clear as never before. Colors on the screen resemble real life Thanks to its unbelievable competence on color and eye-catching detail potential you can forget about your previous viewing experience in your lifetime. In HDR TV, great dynamic range of luminosity is achieved by capturing and then combining several different exposures. Foggy display in bright areas cleared as well as hidden details in darker areas enhanced. Video string containing all those metadata comes with standard data to mix in TV in order to create better image. HDR TV promises to revolutionize the way that you visualize details that you have never seen. Experiencing best picture performance ever has never been so joyful!
Vestel Wide Color Gamut TV is an effective instrument for better picture performance. Wide Color Gamut TV is created by the means of optical improvements to reach wider color palette that brings even more colors to the table, so far impossible to reproduce with TVs. You may have never noticed before that these weren’t exactly how they looked in real life, but you sure will now. WCG will bring these colors and millions more to your eyes.

Combining this WCG technology with High Bright TV will bring your TV to the life. Enhancement with only WCG will not be enough for perfect picture quality, so as sole brightness increase. Thanks to increased backlight efficiency layers without spending any more power, you can get up to 33% higher brightness with respect to regular UHD TVs. Higher brightness will help you to realize how realistic look of the images supported in Ultra HD.

Also no special content is needed to explore Wide Color Gamut and High Bright. With this combination you will feel that the colors are not the just the colors that you know.
Wide Color Gamut is created to reach higher contrast levels and wider color spectrum in order to create stunning lifelike pictures with high image depth and quality thanks to better green and better red it provides. You will feel that the colors are not the just the colors that you know after you meet Vestel Wide Color Gamut TV.

High Dynamic Range technology emerges as the latest trend in the video world. Thanks to this technology that provides dynamic depth perception, we don’t even lose the smallest details. It minimizes the losses caused of depth and light level differences and provides high contrast in every condition by highlighting the exquisite details.
STAND DESIGNS: SINGLE NECK AND TWIN-STAND DESIGN

Vestel designs own TV stands by applying creative design process. Applying the latest unique design trends, Vestel TV is the representative of elegance with its huge amount of stylish stand design options. Including many different trendy stand designs, Vestel TV stands are designed and classified as two main categories: Single-Neck and Twin Stands. Single-neck and twin-stand options make Vestel flexible to use both concepts to form different combinations of TV lineups. Using these options, Vestel TVs provides different look matching with the environment that TV stands in.
STAND DESIGNS: SINGLE NECK AND TWIN-STAND DESIGN
In terms of design and technology, Vestel offers considerably wide lineup range in order to meet broad expectations of people from a TV. One of the most popular technologies, such as UHD TV arises with elegant OLED design at the top of this lineup as it reflects the strength and quality of Vestel TV lineup. Moreover, elegant slim models including ultra narrow bezel designs, quality metal applications or fashionable stand designs are all positioned in attractive lineup of Vestel. Flexibility, design capability and know-how of high technology allow Vestel to offer the most suitable product for your demand that fits your personal delight as well.
**xx465**

**FEATURES**

Super slim body with thin high gloss metallic frame. OLED cell is used with thinnest bezel.

**AVAILABLE SIZES**

O-Led: 55”, 65”
xx560

FEATURES

Super slim body with thin high gloss black frame. LED cell line-ups thinnest cabinet.

AVAILABLE SIZES

E-Led: 55”, 65”
FEATURES

Rounded plastic frame with trendy section with several mass customization options.

AVAILABLE SIZES

E-Led: 40", 43", 49", 55"
75400

FEATURES

XL sized TV with black frame design.

AVAILABLE SIZES

D-Led: 75”
FEATURES

High gloss flat plastic frame with trendy section which several surface finishing applications could be hot stamed.

The witty design creates variety cosmetic lens options shown on right page.

AVAILABLE SIZES

E-Led: 40”, 43”, 49”, 55”
AVAILABLE LENSES

CL406

CL407

CL408

CL409

CL49
Ultra narrow bezel design with niche design details for middle range. Chrome coated lens design with triangular form in the middle for logo placement and IR receiver.

The main structure of the UNB TV also allows for building a wide range of design pool consisting of several lens options.

Available Sizes

D-Led: 40”, 43”, 49”, 50”, 55”, 65”
TV LINE-UP

AVAILABLE LENSES

CL300

CL301

CL302

CL303

CL304

CL306

CL308

CL312

CL314

CL316

CL318
Plastic Front cabinet with a bezel slimmer than 11mm. Glossy black front cabinet with smooth, triangular form at the bottom of bezel.

**AVAILABLE SIZES**

E-Led: 24", 32"
**xx507**

**FEATURES**

Plastic Front cabinet with a bezel slimmer than 11mm. Glossy black front cabinet with extruded logo area at bottom bezel.

**AVAILABLE SIZES**

E-Led: 24”, 32”
D-Led: 24”, 32”, 43”, 49”, 55”
**xx506**

**FEATURES**
Plastic Front cabinet with a bezel slimmer than 11mm. Glossy black front cabinet with angled logo area at the bottom of bezel.

**AVAILABLE SIZES**
E-Led: 24”, 32”
D-Led: 24”, 32”, 43”, 49”, 55”
**xx505**

**FEATURES**

Plastic Front cabinet with a bezel slimmer than 11mm. Glossy black front cabinet with concave design which is emphasized with extruded borders and logo area.

**AVAILABLE SIZES**

E-Led: 24”, 32”
D-Led: 24”, 32”, 43”, 49”, 55”
Plastic Front cabinet with a bezel slimmer than 11mm. Glossy black front cabinet with wide silver brushed area at the bottom side of bezel.

**AVAILABLE SIZES**

- E-Led: 24”, 32”
- D-Led: 24”, 32”, 43”, 49”, 55”
**FEATURES**

Plastic Front cabinet with a bezel slimmer than 11mm. Glossy black front cabinet with thin textured recess area at the bottom of bezel.

**AVAILABLE SIZES**

E-Led: 22”, 24”, 32”
xx502

FEATURES

Plastic Front cabinet with a bezel slimmer than 11mm. Glossy black front cabinet with partial thin silver brushed area at the middle bottom of bezel.

AVAILABLE SIZES

E-Led: 22”, 24”, 32”
xx501

**FEATURES**

Plastic front cabinet with a bezel slimmer than 11mm. Glossy black front cabinet with thin silver brushed area at the bottom of bezel.

**AVAILABLE SIZES**

E-Led: 22”, 24”, 32”

xx500

FEATURES

Plastic Front cabinet with a bezel slimmer than 11mm. Basic glossy black front cabinet.

AVAILABLE SIZES

E-Led: 22”, 24”, 32”
Plastic Front cabinet with a front speaker bottom bezel. Glossy black front cabinet with a rectangular shaped speaker grooves at the bottom bezel.

**AVAILABLE SIZES**

E-Led: 24”, 32”
D-Led: 39”, 43”
TV LINE-UP

FEATURES

Plastic Front cabinet with a front speaker bottom bezel. Glossy black front cabinet with a dot type speaker holes at the bottom bezel.

AVAILABLE SIZES

E-Led: 24”, 32”
D-Led: 39”, 43”
Plastic Front cabinet with a bezel slimmer than 12mm. Available for both UHD and FHD. Glossy black front cabinet thin silver brushed stripe with a convex shape at the bottom of bezel.

**AVAILABLE SIZES**

E-Led: 22”, 24”, 32”
TV LINE-UP

FEATURES

Plastic Front cabinet with a bezel slimmer than 12mm. Available for both UHD and FHD. Glossy black front cabinet thin rectangular figure with a stripe shape at the bottom of bezel.

AVAILABLE SIZES

E-Led: 22", 24", 32"
Steam injection glossy black frame with soft edges. Available for both UHD and FHD. Rounded eye-catcher design details all around the bottom. Chamfer design detail at the bottom of bezel.

**AVAILABLE SIZES**

- **E-Led:** 22”, 24”, 32”
- **D-Led:** 24”, 32”, 39”, 43”, 49”, 55”
Steam injection glossy black frame with soft edges. Available for both UHD and FHD. Rounded eye-catcher design details all around the top and bottom.

AVAILABLE SIZES

E-Led: 22", 24", 32"
**FEATURES**

Plastic front cabinet with a bezel slimmer than 12mm. Available for both UHD and FHD. Hotstamp option on top and bottom of the bezel where the edges have chamfer on both sides.

**AVAILABLE SIZES**

D-Led: 32”, 39.5”, 43”, 49”, 55”
**FEATURES**

Plastic front cabinet with a bezel slimmer than 12 mm. Only UHD model. Glossy Black front cabinet with V-shaped silver brushed extrusion at bezel bottom.

**AVAILABLE SIZES**

D-Led: 40”, 43”, 49”, 55”
xx297

FEATURES

Steam injection glossy black frame with soft edges. Only UHD model. Single hotstamp line design details at the bottom.

AVAILABLE SIZES

D-Led: 40”, 43”, 49”, 55”
xx296

FEATURES

Plastic front cabinet with a bezel slimmer than 12 mm with smooth black option. Only UHD model. Steam injection cabinet with cosmetic recess area at bezel bottom.

AVAILABLE SIZES

D-Led: 40”, 43”, 48”, 49”, 50”, 55”
TV LINE-UP

 FEATURES

High gloss front cabinet with bezel slimmer than 12 mm.
Specially designed hot stamp area at bottom bezel.

 AVAILABLE SIZES

E-Led: 24", 32", 40"
D-Led: 24", 32", 40"
Steam injection glossy plastic cabinet with narrow chamfers. Only UHD model. Specially designed hotstamp application area at bottom bezel.

Available Sizes

E-Led: 40”, 43”, 48”, 49”, 50”, 55”
**FEA TURES**

High gloss front cabinet with thickness of 12mm. Only UHD model. Specially designed hot stamp application area at bottom bezel highlighting the brand logo.

**AVAILABLE SIZES**

E-Led: 40”, 43”, 48”, 49”, 50”, 55”
Steam injection gloss plastic cabinet with thickness of 12 mm. Brand logo place is specially designed at the bottom line bezel.

AVAILABLE SIZES

E-Led: 24”, 40”
D-Led: 24”, 32”, 40”, 48”
**FEATURES**

High gloss black steam injection front cabinet. Bezel is leveled with extrusion-intrusion detail for catchy yet simple design.

**AVAILABLE SIZES**

E-Led: 32”, 40”
D-Led: 32”, 39.5”, 40”, 43”, 49”, 55”
xx289

FEATURES

Steam injection glossy black frame with soft edges. Hotstamp eye-catcher design detail at the bottom.

AVAILABLE SIZES

E-Led: 24”, 32”, 40”
xx288

FEATURES

Piano finish glossy black surface without paint out of steam injection. Special section design of the frame with concave and convex lines.

AVAILABLE SIZES

E-Led: 24", 32", 40"
High gloss black steam injection front cabinet with clear cut edges. Overall frame section reveals the high quality of the surface and material with reflections.

**AVAILABLE SIZES**

- E-Led: 32"
Steam injection high gloss black unpainted front cabinet with 12mm thickness. Chrome hotstamp line highlights the thin bezel design.

**AVAILABLE SIZES**

D-Led: 39.5”, 40”, 43”, 48”i 49”
FEATURES

Plastic front cabinet with a bezel slimmer than 12mm. Intrusion framing the whole display area creating a shadow and emboss effect around the screen.

AVAILABLE SIZES

E-Led: 22”, 24”, 32”
**xx282**

**FEATURES**

Plastic front cabinet with a bezel slimmer than 12mm. Triangular formal structure at the bottom bezel.

**AVAILABLE SIZES**

E-Led: 22", 24"
Vestel offers TV models that include the latest technology thanks to its strong R&D capabilities. Vestel Smart TV that includes most popular global contents, specific attractive apps and starring TV features are all presented in broad lineup of Vestel. Moreover, Vestel is expert of multiscreen technologies as wireless display technologies are supported by Vestel Smart Center app that is offered in mobile devices in order to achieve second screen activities simultaneously with Vestel TV. You will be the master of technology as Vestel brings fantastic features into your home.
Vestel Smart TV allows you to access various internet contents with a simple click on the remote control. Using Smart TV apps, basically, you can stream music, videos and movies in real time from several websites. You can watch the missed episodes of your favorite TV shows via catch up service; you can rent the latest movies or watch internet videos. Moreover, you have access to many online applications in various categories such as news, sports, games, weather, entertainment, social networks and more. For instance, you can stay connected and the latest updates on your social media accounts. Vestel Smart TV allows you to enjoy your favorite internet contents gathered in one common place by making your life designed for your personal preferences while using your Smart TV.

While using your Vestel Smart TV, you can browse among apps and access to widgets while you are watching TV at the same time!

**Available Services for Smart TV:**
- Video
- VOD
- *Premium VOD*
- *Local content*
- *Rental Video services*
- *Catch-up*
- *Local TV channels*
- *Internet Video*
- *Personal Music Channel*
- *Social Networking*
- *Music*
- *Personal Radio*
- *Music-on-demand*
- *Web Radio*
- *Games*
- *Information Services*
- *Weather*
- *News*
TECHNOLOGICAL HIGHLIGHTS

**Vestel Smart TV** enables you to connect internet in order to perform common online operations like you do with your personal computer. Vestel Smart TV includes full open browser feature which is powered by Opera, so allows you to handle any kind of internet operations from visiting websites to dealing with e-mails. With its user-friendly UI, Opera web browser provides you best browsing experience available. Via Vestel air mouse or Vestel Smart Remote app you can benefit from the opportunity of an easier browsing experience.

**Youtube** is the world’s biggest and most popular video sharing platform. The latest and greatest music videos, trends and channels are in here. You can also synch your mobile device to the app and enjoy the content. Being the most used app on Smart Tvs throughout the world, Youtube is essential.

**Netflix** is the most famous and essential VoD provider to watch movies and TV shows over internet connection. Vestel Smart TV enables you to watch thousands of movies and TV shows anytime you want and as much as you want via Netflix service. Having access to incredible world of TV episodes and movies, Vestel Smart TV instantly transforms your living room to a movie theater or a TV studio!

**Opera TV Store**

Vestel Smart TV offers you to experience Opera Store that helps to reach various numbers of extensive apps on your Smart TV. Opera Store is an opening gate to group of astonishing apps which is optimized for Smart TV. With different app categories that it employs, Opera TV Store helps you to navigate, select and launch wide range of apps in its attractive portfolio.

**SMART RECOMMENDATION**

Vestel Smart TV would be your best friend since it understands your TV viewing habits. Smart TV learns your preferences and gives you advices that fit to your personal delight. Do you like horror films or football games or cartoons? Recommendation wizard learns your TV watching habits over time and recommend programs which you would interested in particularly depending on the day and time. Thus, you can aware of the movies, TV series, TV shows or sport games that is compatible with your preferences when you are watching your Smart TV. All you need to do is listen the advice, choose the recommended program and enjoy your time!
TECHNOLOGICAL HIGHLIGHTS

BBC iPlayer is an online VoD platform including whole TV shows as well as range of video clip contents. You can watch live contents and your favorite TV programs that you missed via BBC iPlayer on your Smart TV. Vestel Smart TV is all you need to meet your expectations from an online TV and radio service by providing you an opportunity to experience devastating entertainment show.

BBC News provides you latest news and highlights from global journalists. You can quickly find the topic you are interested in as well as reaching the news based on the categories you are interested in.

Freeview Play is another smart portal that Vestel supports which includes BBC iPlayer, ITV, All4 and Demand5. You can enjoy catch up services of these channels via backward EPG, all in one place. Just connect to internet, open your Freeview Play and start watching without a subscription fee.

Vestel HBB (Hybrid Broadband Broadcast) TV feature provides a delightful entertainment to the users through the harmonized variety in broadband and broadcast delivery by extending the reach of multimedia content on your TV set. More entertainment services from broadcasters and online providers such as video-on-demand (VoD), interactive advertising, personalization, voting, games and social networking as well as program related services such as digital text and EPGs will be accessed by end-user.

BBC Sports offers users to access best sport coverage both with live streams and VoD. You can watch live sport events from tennis tournaments to rugby games. Besides, you can watch latest highlights and headlines for these delusive events. Major sport events available come to your home with Vestel Smart TV via BBC Sports.

BBC News provides you latest news and highlights from global journalists. You can quickly find the topic you are interested in as well as reaching the news based on the categories you are interested in.
Vestel is offering immersive audio experience option using DTS sound systems. DTS is a series of multichannel audio technologies owner. The company is specialized in digital surround sound formats used for both commercial/theatrical and consumer grade applications. DTS licenses its technologies to consumer electronics manufacturers and Vestel is the one of the manufacturers holds DTS license. Why sound matters? Mobile era has changed the consumer needs and content consumption habits. In order to satisfy viewers Vestel is offering higher quality audio, which has less effect on bandwidth and more effect on likeability than picture quality, thanks to the DTS technologies. DTS 2.0, DTS TruSurround, DTS HD are already equipped with Vestel TVs. Keeping track of enhanced sound system technologies makes us move for newest DTS technologies as well, expecting to offer DTS Headphone X for Vestel TV range.

Experience supreme sound quality thanks to the integrated DTS on Vestel mainboards; enjoy concerts, movies or any sports program with sound excellence.
MULTI-SCREEN TECHNOLOGY

Vestel Smart TV allows you to use your companion devices (tablet pc and smartphone) by synchronizing them with your Smart TV. Meanwhile, you can build multi-screen system at your home that upgrades you to a higher entertainment level. You can control your Smart TV with your mobile devices wirelessly, you can send multimedia contents from your devices to your TV in order to view them on TV screen and transfer TV stream to your companion devices to watch the stream on device simultaneously.
TECHNOLOGICAL HIGHLIGHTS

SMART CENTER

Vestel Smart Center is a mobile application that provides you a seamless mobile application experience on iOS and Android devices. Smart Center allows users to perform following features:

- FollowMe TV
- Media Share
- TV Programs and VoD
- Social Media Interaction
- EPG via Gracenote
- Portal Launcher
- TV Control

WIRELESS DISPLAY

Wireless display feature allows mirroring the screen of your compatible Android device to stream videos up to 1080p on your Vestel Smart TV. While you are streaming a video on your smartphone, you can simultaneously mirror the screen of Android device on your wider Smart TV screen to enjoy detailed and higher quality pictures on TV without using any cable. Moreover, it is possible to send up to 5.1-surround sound that enables you to experience high quality sound as well. Besides, you can just share the home screen of your device, to scroll between the apps on your Android device. Directly connect mobile device to your TV and get a new perspective on sharing! Besides, wireless display technology allows users to send stream, photos, music, videos and apps from compatible Intel based PCs or portable devices to your wireless display compatible Vestel TV wirelessly. You can send up to 1080p video and 5.1 surround sound and have the opportunity to display the stream or multimedia contents on the bigger screen of TV with excellent picture and sound quality. You don’t have to stick to little screen of your PC or portable device anymore. Just enjoy the new entertainment experience on your TV!
TECHNOLOGICAL HIGHLIGHTS

TV PROGRAMS AND VOD (VIDEO-ON-DEMAND)

Viewers can browse TV channels, search movies or on-demand services on Smart Center. You can arrange your favorite TV channels, you can see the details of your favorite program and watch videos by using VoD that are related to your favorite TV program on internet.

MEDIA SHARE

Via Smart Center, it is possible to send music, pictures and videos from your mobile device to your Smart TV TV by swiping over DLNA protocol and view them full size on your Smart TV to enhance your viewing experience. For instance, you can display your holiday photos together with your family on your big screen quality Smart TV with a simple swipe movement.

FOLLOWME TV

Do you have to do some work in kitchen and want to continue to watch your favorite program? Smart Center allows viewers to deliver the video stream from Smart TV to tablet pc. While watching your favorite program, just transfer the broadcast to your mobile device. You can take your mobile device with you and continue to watch your favorite program in your kitchen!

SOCIAL MEDIA INTERACTION

You can follow and send program related tweets or like your favorite programs on Facebook while watching your favorite TV program on your Vestel Smart TV. This way, you can connect to people all over the world that have the same delight with you!
TECHNOLOGICAL HIGHLIGHTS

EPG VIA GRACENOTE

EPG (Electronic Program Guide) data provides necessary information to viewers about TV broadcast programming and program schedule for current and upcoming programs. Via Gracenote, Smart Center app will provide you broadcast schedule data and you will be aware of TV programs in details such as cast and crew. Moreover, you will be able to set reminders to watch your favorite programs as well as recording on time schedule of programs based on EPG data.

TV CONTROL: VOICE CONTROL, TOUCHPAD, KEYBOARD AND REMOTE

You don’t need your classical remote anymore! Via Smart Center, there are many options to control your TV over your mobile device. By using remote control panel on your mobile device; you can use your device as classical remote control. Moreover, you can use keyboard option while searching on internet. While using open browser, you can turn your mobile device into a touchpad controller. Attractively, you can give voice commands over Smart Center to control some features of your Smart TV.

PORTAL LAUNCHER

Viewers can launch Smart TV Apps from personal tablet PC. Without using classical remote control, via Smart Center, you can connect your mobile device to your TV and directly launch various Smart TV apps and open browser by using your mobile device.

VCAST

You can use your phone, tablet, or computer to control supported applications on TV. This feature of Youtube application helps the user to connect their personal accounts to their Smart TV only with a few clicks. You will have the comfort and efficiency of your mobile devices while watching the content desire on your Smart Tv. Just make sure your phone, tablet, or computer is connected to the same Wi-Fi network as your TV device. You also have the option to link with a TV code.
SMART REMOTE

Vestel Smart Remote makes it easier to use and control your Smart TV. Smart Remote app allows you to use your tablet PC and smartphone as substitutes of traditional remote controller. You can control your Smart TV by using different mode options: Remote buttons, Keyboard, Mouse, Gesture and Voice! Integration of these modes in single app allows you flexibility for a simpler user experience.

REMOTE BUTTONS

Traditional remote control buttons are integrated into Smart Remote app. Therefore, you can use your Tablet PC and smartphone as a remote controller. Traditional mode is provided in an extreme technological style!

KEYBOARD

You don’t need remote controller or an extra keyboard in order to text on your TV. Just use the keyboard on your Tablet PC and smartphone to give textual comments on internet browser.
TECHNOLOGICAL HIGHLIGHTS

GESTURE
You can control your Smart TV by applying directional motions on gesture area on your companion devices.

VOICE
You can control your Smart TV by giving different voice commands to your Tablet PC and smartphone. What an easy way of controlling!

TOUCHPAD MOUSE
You can use your Tablet PC and smartphone as a touchpad mouse to control the mouse pointer on your Smart TV.
TECHNOLOGICAL HIGHLIGHTS

HEVC (H.265)
Vestel UHD TV’s includes HEVC decoder that provides you high level UHD based capabilities while using your TV. Thanks to HEVC compatibility, you can easily play 4K UHD content directly from USB input of TV using USB media player. Besides, your UHD TV is able to 4K UHD broadcast directly from tuner. Your Vestel UHD TV is a perfect unique system to enjoy UHD world.

DUAL TRIPLE TUNER
Vestel UHD TV’s includes Dual Tuner that helps you to watch different programs at the same time. Besides, screen sharing with your mobile device thanks to dual tuner enables you to tune two different TV channels on your mobile device and TV at the same time. Similarly, thanks to one watch and one record option, you will be able to record your second favorite program while watching your most favorite one. You will never miss a second of your favorite programs!

DOLBY
Vestel is offering immersive audio experience option using Dolby sound systems. Experience supreme sound quality thanks to the integrated Dolby on Vestel mainboards which are Dolby Digital Plus (DD+), MS12 takes you to another dimension which you have never experienced before.

CUSTOM BOOTLOGO
Custom Bootlogo feature allows you to choose your favorite photo such as your family photo, favorite nature photo and more for the opening screen of TV. Meanwhile, customization opportunity will make your TV exclusive for you!

BLUETOOTH
Vestel Smart TV’s Bluetooth feature helps you to connect you accessories to your TV via Bluetooth. You can connect your headphones, sound systems, compatible 3D glasses and Vestel Touchpad remotes to enrich your TV using experience. Bluetooth feature completely changes your classical TV using habits and a true item for you to multiply the joy you have while watching TV!

ADVANCED EPG VIA GRACENOTE
Vestel TV will provide you broadcast schedule data in details on TV menu and you will be aware of TV programs in details. Thanks to the data coming via Gracenote, you can display information about cast and crew together with the information about day and time of the broadcast. Your Vestel TV there for you to make you aware of your favorite programs and to enhance your entertainment experience!

INTERNAL SUBWOOFER
Vestel TV’s internal subwoofer option helps you to get incredible level of sound with an extreme audio output support to sound speakers. Hearing and feeling the power and purity of bass sound, all you have to do is listening and enjoying the perfect sound environment created by Vestel TV!
DLNA certified Smart TV is able to build a technology center at your home since it allows connection to other DLNA certified devices over your home network wirelessly or with cable. You can display multimedia contents such as your family photos, music of your favorite band and videos from the party with your friends that are stored on your DLNA certified computer and phone on TV screen. You don’t only share contents among devices but also share your emotions with people at home thanks to your Vestel Smart TV which stages a stunning multimedia show.

Motion Rate is the measurement of how your Vestel TV can display actively moving images in the best and the fastest way. With higher levels of Motion Rate feature, you can experience the dynamic way of watching while watching your favorite sports game or favorite action movies. Vestel TV will make you feel dynamism of pictures running through your veins!

Through HDMI 2.0, you can experience the combination of pure sound and excellent visual content on your TV set. HDMI 2.0 is perfect and fastest source to transfer multimedia contents (video and audio) by providing clear pictures and clean sounds which results in an amazing user experience.

HDMI 2.0 provides, perfect source for potential UHD content and connection of various electronic devices to your TV set using only one compatible cable.

CI+ is a technical specification that is based on DVB-CI Standard and comes up with additional features for the electronic devices that are compatible with CI+ such as set-top-boxes. CI+ allows conditional access to function via CAM (conditional access module) instead of using a separate digital receiver or decoder.

That is to say, you will have access to wide range of Pay TV services via plug-in CI+ module if CI+ is supported by Pay TV provider.

USB allows easy connection of external storage devices directly to your TV set. Via USB you can quickly connect external storage and access digital contents such as image files, video files and audio files. Simply connect your external memory source to USB port of Vestel TV to watch your favorite movies or to display photos that are stored on big screen of TV instead of being obliged to display these contents on the small screen of your computer. Plug yourself in bigger screen for higher pleasure!

There may be times that you are not available to watch your favorite TV show or a movie genre that you would enjoy watching. Luckily, your Smart TV can record your favorite program and programs that would be compatible with your personal joy. Later, the programs that are recorded will be recommended. Smart TV gives you a friendly present by recording and offering TV programs that address your joy.
Basic hotel mode is particularly configured mode which makes usage of TV more specific and more accurate for commercial TV business branches thanks to the features it includes. Some basic features provide enhanced differentiation and to the point meet of expectations in hospitality applications which can be accessed via special controller combination.

Welcome Screen
Commercial logo, message or default pictures can be used and displayed at the start-up of TV. These can be displayed if the hotel mode is enabled. This feature allows you to benefit from customization at the high levels.

Start-Up Position
This feature allows you to specify the starting channel when TV is switched on.
TECHNOLOGICAL HIGHLIGHTS

**OSD DISABLE ON/OFF**

OSD disable allows you to control TV settings and prevents guests from changing the installation settings. Users cannot reach channel table or installation menu and that means channel list and installation settings cannot be changed.

**LAST STATUS**

When ‘last status’ feature is set to on, this feature enables TV to open with the closing status. Otherwise, TV opens with standby status.

**WAKE-UP ALARM**

In hotel mode, guests can set a wake-up time and TV can automatically wake up at the desired time and an alarm rings to wake you up. Concurrently, welcome image is shown on the screen while alarm is ringing.

**USB CLONING**

USB cloning allows you to copy the settings of one TV to all other TV units in an easier way. For instance, you can copy the settings or channel list of one TV to high amounts of TV by using USB cloning. By this way, you can simply standardize all TVs without spending a lot of time. Helpful USB cloning feature prevents you from dealing with time-consuming installations and makes your life easier.

**VOLUME LIMIT AND FIXED VOLUME VALUE**

You can set the maximum and minimum values as you wish. If you set volume limit, you set the maximum value the volume can have. Moreover, when fixed volume enable is on, volume cannot be set to a value other than the fixed volume value.

**ANTI-THEFT BATTERY COVER**

The anti-theft battery cover is a simple screw lock providing a fool-proof security to prevent the remote control battery from being stolen. It just makes your life easier.
ENERGY SAVING

With convenient design and latest technologies applied, your TV tends to consume less energy in order to meet energy efficiency standard. Paying attention to energy efficiency issues, your TV truly cares about you and work to build a ‘brighter’ future for you.

PANEL DESIGN

LED Lighting systems used while building TV anticipate the effective selection and placement of LEDs in order to enhance energy efficiency levels by consuming less power.

MAINBOARD

Advanced technology applied in new mainboard designs that are used, allows TV to consume less energy by ensuring the optimum harmony between lighting system and signal distribution that is achieved by mainboard.

POWER BOARD

Application of power safe mode and effective power efficiency usage prevents your TV from unnecessarily excess power consumption in order to contribute energy saving.
DVB-T+C, DVB-T2 AND DVB-S2

DVB-T+C is the abbreviation for Digital Video Broadcasting- Terrestrial and Cable. Vestel TV employs the integration of terrestrial tuner and cable tuner which allows TV set to receive digital terrestrial and cable broadcasts as well as traditional analog signals. Viewers can eliminate the set-top box and Pay TV receiver because of the availability of CI+ module slot.

DVB-T2 that stands for Digital Video Broadcasting-Second Generation Terrestrial is the most advanced digital terrestrial broadcast system. Vestel TV includes a DVB-T2 tuner and allows TV to receive both standard and high definition terrestrial broadcasts without using a set-top-box or a Pay TV receiver.

DVB-S2 corresponds to Digital Video Broadcasting-Second Generation Satellite that provides digital satellite broadcasts. Vestel TV that is equipped with a DVB-S2 tuner enables user to watch both standard definition and high definition satellite broadcasts without the necessity for a set-top-box.
<table>
<thead>
<tr>
<th>Country Based Approved Operators</th>
<th>Terrestrial DVB-T</th>
<th>Terrestrial DVB-T2</th>
<th>Cable DVB-C</th>
<th>Satellite DVB-S/S2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Australia</td>
<td>Freeview / Freeview Plus</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Coming soon</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Austria</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Belgium</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Croatia</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Czech</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Denmark</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Finland</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>France</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Germany</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ghana</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hungary</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ireland</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Country Based Approved Operators</td>
<td>Terrestrial DVB-T</td>
<td>Terrestrial DVB-T2</td>
<td>Cable DVB-C</td>
<td>Satellite DVB-S/S2</td>
</tr>
<tr>
<td>----------------------------------</td>
<td>-------------------</td>
<td>-------------------</td>
<td>-------------</td>
<td>-------------------</td>
</tr>
<tr>
<td>Italy</td>
<td>PREMIUM SMART CAM READY</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Netherlands</td>
<td>ZIGGO</td>
<td>CANAL DIGITAAL</td>
<td></td>
<td></td>
</tr>
<tr>
<td>New Zealand</td>
<td>freeview, freeviewplus</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Norway</td>
<td>RiksTV</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Poland</td>
<td>upc</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Romania</td>
<td>upc</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Slovakia</td>
<td></td>
<td>SKYLINK</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Spain</td>
<td>tdt</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Serbia</td>
<td></td>
<td>Digital TV Coming soon</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sweden</td>
<td>BOXER HD</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Switzerland</td>
<td>upc</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Turkey</td>
<td>DVB-T2 RTUK</td>
<td>TurksatKablo</td>
<td></td>
<td>Digiturk D-SMART</td>
</tr>
<tr>
<td>UK</td>
<td>FreeviewHD, FreeviewPlay</td>
<td></td>
<td></td>
<td>Freesat</td>
</tr>
</tbody>
</table>
ELDER REMOTE

Simple remote has a new design with new features. It is the most practical way of controlling your daily standard TV activities with lesser number of buttons. After configuring system settings of your TV with standard remote, the rest could be easily managed by this 18 button RC. Select your source, navigate between channels and do simple operations with bigger buttons.

AIR MOUSE

Air Mouse is enjoyable and easy way of controlling your Smart TV to live an amazing user experience. You can perform 2 control options by using your Air Mouse wirelessly: Point and Gesture!

Point: Discover the simple way of using Smart TV and internet. Simply point, click, enter any content or move anywhere on your Smart TV.

Gesture: You don’t have to spend more time for movement on menus. Air Mouse enables you to zoom in and out by moving back and forth while holding OK button.

USB WIFI ADAPTER

You don’t need extra Ethernet cables in your living room anymore while using your Vestel Smart TV. USB Wifi adapter allows you to connect your TV to internet wirelessly. All you need to do is plug in your Wifi adapter to your Smart TV and enjoy wireless connection over your home network.
Smart Pack
A Simple way to make your home smart. Connect and live easy with Vestel Smart Home Solution. Use your Vestel Smart TV as face of your smart home. You can control all of your sensors, devices and scenarios via your Vestel Smart TV. You can get notifications while watching any content from your TV. Pack is designed for easy setup without any cables.

Smart Home Ready TV App
It connects your devices and sensors with your smart devices such as smartphone and tablet. You can connect to your smart hub where ever you are.

Door Sensor
It activates the alarm and system gives you notification when intruder breaks into your house.

Siren
It acts as deterrent by giving loud noise and light.

Motion Sensor
It gets activated by the movement and sounds the alarm. It can be added to any scenario.

Smart Plug
You can control all electronical devices by smart plug from your tv and smartphone. It can be added to the scenarios and automatically controlled by the hub.

Keyfob
It controls security scenario by activating and deactivating. You can also manually sound the alarm via the alarm button on keyfob. You can easily enter or leave your home without using your smart app by controlling security scenarios.

Smart Dongle
Acts as hub devices connected to the tv which enables you to control your system via your Vestel Smart TV.
ACCESSORIES
ACCESSORIES

RC 4800 (transparent)  RC 4849 B  RC 4875 W  RC 4875 B  RC 4870
RC 4876 B  RC 4876 W  RC 48105  RC 4891  RC 5118
RC 49130  RC 4995  RC 1501  RC 1835
AWARDS

2017 AWARDS

Plus X Award for High Quality, Design, Ease of Use and Functionality
VENUS Z10 Smart Phone High Glass TV stand

Plus X Award for High Quality, Design and Functionality
Space Age Settop box Rolls Settop box

Plus X Award for Innovation, High Quality and Design
SylphTV

Best Product of The Year
Vega Settop box Rolls Settop box
High Glass TV Stand Vestel 98” 8K UHD TV 55” Curved OLED TV

Best Design Brand of The Year 2016–2017
in Telecommunication Product Group

Most Innovative Brand of The Year 2017
in Telecommunication Product Group

REDDOT Design Award
Envo Electric Vehicle Charger

2016 AWARDS

Gold A Design Award
Swing 65” UHD TV

Silver A Design Award
Vdrop 55” UHD TV

Plus X Award for Design and Ease of Use:2
RC 49100

Plus X Award for High Quality and Ease of Use:2

Plus X Award for High Quality, Design and Ease of Use:12
KEYS Smart Phone
XX400 LED TV

Plus X Award for Innovation, High Quality, Design and Ease of Use:12
55” FLAT OLED

Plus X Award for Innovation, High Quality, Design, Ease of Use and Functionality:5

DESIGN TURKEY
RC 59100
Envo Elektric Vehicle Charger
XX320 Curve LED TV V3DYNO

Good Design Product Award
LINEA OLED DESIGN

2015 AWARDS

Gold A Design Award
Venus 3R 5” Smartphone

Silver A Design Award
Venus Polychrome Smartphone

Bronze A Design Award
Venus 3R 5.5” Smartphone

Plus X Award for Design
Envo Electric Vehicle Charger

Platinum A Design Award
Kahveci Turkish Coffee Machine

Silver A Design Award
Venus Polychrome Smartphone

Bronze A Design Award
Venus 3R 5.5” Smartphone

REYS Smart Phone

XX400 LED TV

XX405 LED TV

55” CURVED OLED

55” FLAT OLED

55” CURVED OLED

55” FLAT OLED

Good Design Product Award
LINEA OLED DESIGN

2014 AWARDS

Gold A Design Award
Glasson Smart Phone

Silver A Design Award
LaCourbe Curved LED TV

Bronze A Design Award
Daphne Smart Phone

Best Product of The Year
Chopin
4K UHD Media Player
(best set top box of the year)
65240 LED TV
(best LED TV of the year)
RC 1200 Remote Control

Platinium A Design Award
Venus Shadow Smart Phone

Silver A Design Award
Venus Glass Smart Phone

Bronze A Design Award
Venus Shadow Smart Phone

Best Product of The Year
Chopin

4K UHD Media Player

Best Product of The Year
Chopin

4K UHD Media Player

Best Product of The Year
Chopin

4K UHD Media Player

Best Product of The Year
Chopin

4K UHD Media Player

Best Product of The Year
Chopin

4K UHD Media Player
2013 AWARDS

IF Design Award 2013
XX134Serio BMS LEDTV

RED DOT 2013 - RC4825
Taction Remote Control

Gold A Design Award
A Design XX265 LED TV
XX240 LED Avoi Set Top Box
XX250 LED

Silver A Design Award
Customizable All-in-One PC

Bronze A Design Award
Trio Set Top Box Nose Set Top Box Stiletto remote control

GERMAN Design Award
Eidolon DVB Totem FemtoCell STB
Plano Remote Control

2012 AWARDS

RED DOT 2012
XX150 GlassOn LED TV

Plus X Award 2013
Most Innovative Brand of the Year 2013
In Home-Video

Plus X Product Award
Stiletto TV Remote Control
RC4860 TOPPO Rem. Cont.
RC4855 BOTUP Rem. Cont.
LURE Set-top-box NOSE Set-top-box
RC4825 Taction Rem. Cont.
Avoi Set-top-box Trio Set-top-box
RC4822 TV Remote C.
XX70 LEDTV

XX242 LED BMS SNB TV
XX241 LED BMS SNB TV
XX240 LED BMS SNB TV
XX170 La Torre LED TV
XX243 LED BMS SNB TV
XX252 LED TV XX260 LED TV
XX265 LED TV
Bent All-in-One PC WAVE All-in-One PC
CALC-key Computer Keyb.
CURL All-in-One PC

A Design Award 2012
Platinum A’ Design Award
XX150GlassOn LEDTV
Golden A’ Design Award
XX200 AGILE LED TV
XX170 La Torre LEDTV Triumph LED TV
Silver A’ Design Award
XX120TV LEDTV

GERMAN Design Award
Davinci Digital Media Cont. FashionTV UI
40840 LED TV
Leia iPod-Dock TV
40842 LEDTV
RC3920 Remote Control
LED-I LEDTV
RC5100 Remote Control
ARISER LCD TV
Black Pearl TV UI
RC5110 RC MINETV RC

DESIGN TURKEY
Product Design Award
XX995 LEDTV Plano Remote control

GOOD DESIGN Award
Bend Cubic Set-Top-Box
Magneto Set-Top-Box
Promethe LED TV
XX190 LEDTV
RC Stiletto Ultra LED TV
RC Key Touchpad
XX178 LEDTV
XX170 La Torre LEDTV
<table>
<thead>
<tr>
<th>CABINET</th>
<th>22&quot;</th>
<th>24&quot;</th>
<th>28&quot;</th>
<th>32&quot;</th>
<th>33.5&quot;</th>
<th>40&quot;</th>
<th>43&quot;</th>
<th>48&quot;</th>
<th>49&quot;</th>
<th>50&quot;</th>
<th>55&quot;</th>
<th>65&quot;</th>
<th>75&quot;</th>
</tr>
</thead>
<tbody>
<tr>
<td>XX240 VNB</td>
<td>E</td>
<td>E</td>
<td>E</td>
<td>E</td>
<td>E</td>
<td>E</td>
<td>E</td>
<td>E</td>
<td>E</td>
<td>E</td>
<td>E</td>
<td>E</td>
<td>E</td>
</tr>
<tr>
<td>XX248 VNB</td>
<td>E</td>
<td>D</td>
<td>D</td>
<td>D</td>
<td>D</td>
<td>D</td>
<td>D</td>
<td>D</td>
<td>D</td>
<td>D</td>
<td>D</td>
<td>D</td>
<td>D</td>
</tr>
<tr>
<td>XX286 VNB</td>
<td>E</td>
<td>E</td>
<td>E</td>
<td>E</td>
<td>D</td>
<td>D</td>
<td>D</td>
<td>D</td>
<td>D</td>
<td>D</td>
<td>D</td>
<td>D</td>
<td>D</td>
</tr>
<tr>
<td>XX287 VNB</td>
<td>D</td>
<td>D</td>
<td>D</td>
<td>D</td>
<td>D</td>
<td>D</td>
<td>D</td>
<td>D</td>
<td>D</td>
<td>D</td>
<td>D</td>
<td>D</td>
<td>D</td>
</tr>
<tr>
<td>XX288 VNB</td>
<td>E</td>
<td>E</td>
<td>E</td>
<td>E</td>
<td>D</td>
<td>D</td>
<td>D</td>
<td>D</td>
<td>D</td>
<td>D</td>
<td>D</td>
<td>D</td>
<td>D</td>
</tr>
<tr>
<td>XX291 VNB</td>
<td>E</td>
<td>E</td>
<td>E</td>
<td>E</td>
<td>D</td>
<td>D</td>
<td>D</td>
<td>D</td>
<td>D</td>
<td>D</td>
<td>D</td>
<td>D</td>
<td>D</td>
</tr>
<tr>
<td>XX292 VNB</td>
<td>D</td>
<td>D</td>
<td>D</td>
<td>D</td>
<td>D</td>
<td>D</td>
<td>D</td>
<td>D</td>
<td>D</td>
<td>D</td>
<td>D</td>
<td>D</td>
<td>D</td>
</tr>
<tr>
<td>XX293 VNB</td>
<td>D</td>
<td>D</td>
<td>D</td>
<td>D</td>
<td>D</td>
<td>D</td>
<td>D</td>
<td>D</td>
<td>D</td>
<td>D</td>
<td>D</td>
<td>D</td>
<td>D</td>
</tr>
<tr>
<td>XX294 VNB</td>
<td>E</td>
<td>D</td>
<td>E</td>
<td>E</td>
<td>E</td>
<td>E</td>
<td>E</td>
<td>E</td>
<td>E</td>
<td>E</td>
<td>E</td>
<td>E</td>
<td>E</td>
</tr>
<tr>
<td>XX295 VNB</td>
<td>D</td>
<td>D</td>
<td>D</td>
<td>D</td>
<td>D</td>
<td>D</td>
<td>D</td>
<td>D</td>
<td>D</td>
<td>D</td>
<td>D</td>
<td>D</td>
<td>D</td>
</tr>
<tr>
<td>XX296 VNB</td>
<td>D</td>
<td>D</td>
<td>D</td>
<td>D</td>
<td>D</td>
<td>D</td>
<td>D</td>
<td>D</td>
<td>D</td>
<td>D</td>
<td>D</td>
<td>D</td>
<td>D</td>
</tr>
<tr>
<td>XX297 VNB</td>
<td>D</td>
<td>D</td>
<td>D</td>
<td>D</td>
<td>D</td>
<td>D</td>
<td>D</td>
<td>D</td>
<td>D</td>
<td>D</td>
<td>D</td>
<td>D</td>
<td>D</td>
</tr>
<tr>
<td>XX298 VNB</td>
<td>D</td>
<td>D</td>
<td>D</td>
<td>D</td>
<td>D</td>
<td>D</td>
<td>D</td>
<td>D</td>
<td>D</td>
<td>D</td>
<td>D</td>
<td>D</td>
<td>D</td>
</tr>
<tr>
<td>XX400 UNB</td>
<td>E</td>
<td>E</td>
<td>E</td>
<td>E</td>
<td>E</td>
<td>E</td>
<td>E</td>
<td>E</td>
<td>E</td>
<td>E</td>
<td>E</td>
<td>E</td>
<td>E</td>
</tr>
<tr>
<td>XX405 UNB</td>
<td>E</td>
<td>E</td>
<td>E</td>
<td>E</td>
<td>E</td>
<td>E</td>
<td>E</td>
<td>E</td>
<td>E</td>
<td>E</td>
<td>E</td>
<td>E</td>
<td>E</td>
</tr>
<tr>
<td>XX465 OLED</td>
<td>E</td>
<td>E</td>
<td>E</td>
<td>E</td>
<td>E</td>
<td>E</td>
<td>E</td>
<td>E</td>
<td>E</td>
<td>E</td>
<td>E</td>
<td>E</td>
<td>E</td>
</tr>
<tr>
<td>XX470 VNB</td>
<td>E</td>
<td>E</td>
<td>E</td>
<td>E</td>
<td>D</td>
<td>D</td>
<td>D</td>
<td>D</td>
<td>D</td>
<td>D</td>
<td>D</td>
<td>D</td>
<td>D</td>
</tr>
<tr>
<td>XX471 VNB</td>
<td>E</td>
<td>E</td>
<td>E</td>
<td>E</td>
<td>D</td>
<td>D</td>
<td>D</td>
<td>D</td>
<td>D</td>
<td>D</td>
<td>D</td>
<td>D</td>
<td>D</td>
</tr>
<tr>
<td>XX472 VNB</td>
<td>E</td>
<td>E</td>
<td>E</td>
<td>E</td>
<td>D</td>
<td>D</td>
<td>D</td>
<td>D</td>
<td>D</td>
<td>D</td>
<td>D</td>
<td>D</td>
<td>D</td>
</tr>
<tr>
<td>XX491 VNB</td>
<td>E</td>
<td>E</td>
<td>E</td>
<td>E</td>
<td>E</td>
<td>E</td>
<td>E</td>
<td>E</td>
<td>E</td>
<td>E</td>
<td>E</td>
<td>E</td>
<td>E</td>
</tr>
<tr>
<td>XX492 VNB</td>
<td>E</td>
<td>E</td>
<td>E</td>
<td>E</td>
<td>E</td>
<td>E</td>
<td>E</td>
<td>E</td>
<td>E</td>
<td>E</td>
<td>E</td>
<td>E</td>
<td>E</td>
</tr>
<tr>
<td>XX500 VNB</td>
<td>E</td>
<td>E</td>
<td>E</td>
<td>E</td>
<td>E</td>
<td>E</td>
<td>E</td>
<td>E</td>
<td>E</td>
<td>E</td>
<td>E</td>
<td>E</td>
<td>E</td>
</tr>
<tr>
<td>XX501 VNB</td>
<td>E</td>
<td>E</td>
<td>E</td>
<td>E</td>
<td>E</td>
<td>E</td>
<td>E</td>
<td>E</td>
<td>E</td>
<td>E</td>
<td>E</td>
<td>E</td>
<td>E</td>
</tr>
<tr>
<td>XX502 VNB</td>
<td>E</td>
<td>E</td>
<td>E</td>
<td>E</td>
<td>E</td>
<td>E</td>
<td>E</td>
<td>E</td>
<td>E</td>
<td>E</td>
<td>E</td>
<td>E</td>
<td>E</td>
</tr>
<tr>
<td>XX504 VNB</td>
<td>E</td>
<td>E</td>
<td>E</td>
<td>E</td>
<td>E</td>
<td>E</td>
<td>E</td>
<td>E</td>
<td>E</td>
<td>E</td>
<td>E</td>
<td>E</td>
<td>E</td>
</tr>
<tr>
<td>XX505 VNB</td>
<td>E</td>
<td>E</td>
<td>E</td>
<td>E</td>
<td>E</td>
<td>E</td>
<td>E</td>
<td>E</td>
<td>E</td>
<td>E</td>
<td>E</td>
<td>E</td>
<td>E</td>
</tr>
<tr>
<td>XX506 VNB</td>
<td>E</td>
<td>E</td>
<td>E</td>
<td>E</td>
<td>E</td>
<td>E</td>
<td>E</td>
<td>E</td>
<td>E</td>
<td>E</td>
<td>E</td>
<td>E</td>
<td>E</td>
</tr>
<tr>
<td>XX507 VNB</td>
<td>E</td>
<td>E</td>
<td>E</td>
<td>E</td>
<td>E</td>
<td>E</td>
<td>E</td>
<td>E</td>
<td>E</td>
<td>E</td>
<td>E</td>
<td>E</td>
<td>E</td>
</tr>
<tr>
<td>XX508 VNB</td>
<td>E</td>
<td>E</td>
<td>E</td>
<td>E</td>
<td>E</td>
<td>E</td>
<td>E</td>
<td>E</td>
<td>E</td>
<td>E</td>
<td>E</td>
<td>E</td>
<td>E</td>
</tr>
<tr>
<td>XX509 VNB</td>
<td>E</td>
<td>E</td>
<td>E</td>
<td>E</td>
<td>E</td>
<td>E</td>
<td>E</td>
<td>E</td>
<td>E</td>
<td>E</td>
<td>E</td>
<td>E</td>
<td>E</td>
</tr>
<tr>
<td>XX545 Borderless</td>
<td>E</td>
<td>E</td>
<td>E</td>
<td>E</td>
<td>E</td>
<td>E</td>
<td>E</td>
<td>E</td>
<td>E</td>
<td>E</td>
<td>E</td>
<td>E</td>
<td>E</td>
</tr>
</tbody>
</table>
## Specifications

### TV Specifications

<table>
<thead>
<tr>
<th>Feature</th>
<th>20&quot;</th>
<th>22&quot;</th>
<th>24&quot;</th>
<th>28&quot;</th>
<th>32&quot;</th>
<th>39&quot;</th>
<th>40&quot;</th>
<th>43&quot;</th>
<th>48&quot;</th>
<th>49&quot;</th>
<th>50&quot;</th>
<th>55&quot;</th>
</tr>
</thead>
<tbody>
<tr>
<td>MB140</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MB140</td>
<td>MB140</td>
<td>MB140</td>
<td>MB140</td>
<td>MB140</td>
<td>MB140</td>
<td>MB140</td>
<td>MB140</td>
<td>MB140</td>
<td>MB140</td>
<td>MB140</td>
<td>MB140</td>
<td>MB140</td>
</tr>
</tbody>
</table>

### Main Features

- **Full HD**
- **Ultra HD**
- DVB-T/C MPEG2
- DVB-S MPEG2
- DVB-T/C MPEG4
- DVB-S/2/T2/S2 MPEG4
- DVB-C2 MPEG4
- HEVC (H.265)
- **Media Player**
- **PVR Ready (USB Record)**
- **HDMI (1.1/1.2/1.3/1.4/2.0)**
- **Reception & Tuning Systems**
- **Tuner VHF/UHF/Cable**
- PAL SECAM B/G D/K I/I’ (Tri Standard)
- NTSC
- **Dual Tuner**
- **Sound**
- GER(D) + NICAM Stereo
- MS11
- DTS TruSurround
- DTS 2.0+ Digital Out
- DTS HD
- Surround Sound
- AUDIO OUTPUT POWER (RMS)
- SUBWOOFER AUDIO OUTPUT MAX POWER (RMS)
- **Connectors**
- RF: TV/CATV 75 OHMS COAXIAL
- SCART (EUROCONNECTOR)
- SVHS VIA SCART
- RGB VIA SCART2
- Composite Video/Audio In
- Audio Line OUT VIA Headphone
- YPbPr IN VIA VGA
- VGA (PC IN: D-SUB15)
- **HDMI 1.4 (Default/Optional)**
- **HDCP (1.2/2.0/2.2)**
- Digital Audio Output (Coaxial)
- Digital Audio Output (Optic)
- Headphone OUT (Main Volume Control)
- Headphone OUT (Headphone Vol. Control Support Dual Channels)
- Subwoofer Line OUT (Passive)
- Internal Subwoofer
- USB 2.0 (Default/Optional)
- LAN-Ethernet (IEEE 802.3 RJ45)

Specifications are subject to change without prior notice.
# Specifications

## TV Specifications

<table>
<thead>
<tr>
<th>Size</th>
<th>20&quot;</th>
<th>22&quot;</th>
<th>24&quot;</th>
<th>28&quot;</th>
<th>32&quot;</th>
<th>39&quot;</th>
<th>40&quot;</th>
<th>43&quot;</th>
<th>48&quot;</th>
<th>49&quot;</th>
<th>50&quot;</th>
<th>55&quot;</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>MB140</td>
<td>MB140</td>
<td>MB140</td>
<td>MB140</td>
<td>MB140</td>
<td>MB140</td>
<td>MB140</td>
<td>MB140</td>
<td>MB140</td>
<td>MB140</td>
<td>MB140</td>
<td>MB140</td>
</tr>
</tbody>
</table>

### Connectors

<table>
<thead>
<tr>
<th>RJ332 (IN/OUT) (D-USB 9)</th>
<th>via SCART</th>
<th>via SCART</th>
<th>via SCART</th>
<th>via SCART</th>
<th>via SCART</th>
<th>via SCART</th>
<th>via SCART</th>
<th>via SCART</th>
<th>via SCART</th>
<th>via SCART</th>
<th>via SCART</th>
</tr>
</thead>
<tbody>
<tr>
<td>DIGITAL SW UPDATE</td>
<td>USB &amp; LAN(UK)</td>
<td>USB &amp; LAN(UK)</td>
<td>USB &amp; LAN(UK)</td>
<td>USB &amp; LAN(UK)</td>
<td>USB &amp; LAN(UK)</td>
<td>USB &amp; LAN(UK)</td>
<td>USB &amp; LAN(UK)</td>
<td>USB &amp; LAN(UK)</td>
<td>USB &amp; LAN(UK)</td>
<td>USB &amp; LAN(UK)</td>
<td>USB &amp; LAN(UK)</td>
</tr>
</tbody>
</table>

### Picture

- ZOOM MODES (ASPECT RATIO)
- DYNAMIC CONTRAST
- HDR

### Additional Features

- USB CLONING
- FEATURE OSD
- E-IB

### Digital (DVB)

- EPG
- COMMON INTERFACE (PCMCIA SLOT FOR PAY CHANNELS)
- LCN INSTALLATION (CHECK FOR COUNTRY)

### Communication

- EPG TIMELINE SCHEDULE
- COMMON INTERFACE (PCMCIA SLOT FOR PAY CHANNELS)

### Operation

- ROCKER SWITCH
- POWER SUPPLY
- STAND-BY POWER
- AC/DC TV (MOBIL TV)

### Certificates

- WEEE&ROSH COMPLIANT

---

**NOTE**

SECAM system is not supported by MB140.

Specifications are subject to change without prior notice.
<table>
<thead>
<tr>
<th>TV SPECIFICATIONS</th>
<th>20”</th>
<th>22”</th>
<th>24”</th>
<th>28”</th>
<th>32”</th>
<th>39”</th>
<th>40”</th>
<th>43”</th>
<th>48”</th>
<th>49”</th>
<th>50”</th>
<th>55”</th>
</tr>
</thead>
<tbody>
<tr>
<td>MB211</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>FULL HD</strong></td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td><strong>ULTRA HD</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>DVB-T/C MPEG2</strong></td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td><strong>DVB-S MPEG2</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>DVB-T/C T2 MPEG4</strong></td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td><strong>DVB-S2 MPEG4</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>DVB-T/C/T2 MPEG4</strong></td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td><strong>HEVC (H.265)</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>DVB-C2 MPEG4</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>DVB-C2 MPEG4</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>DVB-S/S2 MPEG4</strong></td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td><strong>DVB-H</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>PVR READY (USB RECORD)</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>HDMI (1.2/1.3/1.4/2.0)</strong></td>
<td>1.4</td>
<td>1.4</td>
<td>1.4</td>
<td>1.4</td>
<td>1.4</td>
<td>1.4</td>
<td>1.4</td>
<td>1.4</td>
<td>1.4</td>
<td>1.4</td>
<td>1.4</td>
<td>1.4</td>
</tr>
<tr>
<td><strong>RECEPTION &amp; TUNING SYSTEMS</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>TUNER VHF/UHF/CABLE</strong></td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td><strong>PAL SECAM B/G D/K I/I’ (TRI STANDART)</strong></td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td><strong>NTSC</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>DUAL TUNER</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>SOUND</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>GER(D) + NICAM STEREO</strong></td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td><strong>DOLBY DIGITAL PLUS (DD+)</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>DTS</strong></td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td><strong>DTS TRUSURROUND</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>DTS 2-0+ DIGITAL OUT</strong></td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td><strong>DTS HD</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>SOUND</strong></td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td><strong>SURROUND SOUND</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>AUDIO OUTPUT POWER (RMS)</strong></td>
<td>2x2.5W</td>
<td>2x2.5W</td>
<td>2x2.5W</td>
<td>2x6W</td>
<td>2x6W</td>
<td>2x8W</td>
<td>2x8W</td>
<td>2x8W</td>
<td>2x8W</td>
<td>2x8W</td>
<td>2x8W</td>
<td>2x10W</td>
</tr>
<tr>
<td><strong>SUBWOOFER AUDIO OUTPUT MAX POWER (RMS)</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>CONNECTORS</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>RF: TV/CATV 75 OHMS COAXIAL</strong></td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td><strong>SCART (EUROCONNECTOR)</strong></td>
<td>1 1 1 1 1 1 1 1 1 1 1 1</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>S-VHS VIA SCART</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>RGB VIA SCART 2</strong></td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td><strong>COMPOSITE VIDEO/AUDIO IN</strong></td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td><strong>COMPOSITE VIDEO OUT</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>AUDIO LINE OUT</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>AUDIO LINE OUT VIA HEADPHONE</strong></td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td><strong>S-VHS IN (S-VIDEO 4-PIN DIN)</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>YPBPR (COMPONENT) IN</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>YPBPR VIA VGA</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>VGA (PC IN D-SUB15)</strong></td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td><strong>PC AUDIO IN</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>HDMI (Default/Optional)</strong></td>
<td>1/2 1/2 1/2 1/2 1/2 1/2 1/2 1/2 1/2 1/2 1/2 1/2</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>HDCP (1.2/2.0/2.2)</strong></td>
<td>2.2 2.2 2.2 2.2 2.2 2.2 2.2 2.2 2.2 2.2 2.2 2.2</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>DIGITAL AUDIO OUTPUT (COAXIAL)</strong></td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td><strong>DIGITAL AUDIO OUTPUT (OPTICAL)</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>HEADPHONE OUT (MAIN VOLUME CONTROL)</strong></td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td><strong>HEADPHONE OUT (HEADPHONE VOL.CONTROL SUPPORT DUAL CHANNELS)</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>SUBWOOFER LINE OUT(PASSIVE)</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>INTERNAL SUBWOOFER</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Specifications are subject to change without prior notice.
<table>
<thead>
<tr>
<th>CONNECTORS</th>
<th><strong>20”</strong></th>
<th><strong>22”</strong></th>
<th><strong>24”</strong></th>
<th><strong>28”</strong></th>
<th><strong>32”</strong></th>
<th><strong>39”</strong></th>
<th><strong>40”</strong></th>
<th><strong>43”</strong></th>
<th><strong>48”</strong></th>
<th><strong>49”</strong></th>
<th><strong>50”</strong></th>
<th><strong>55”</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>USB 2.0 (Default/Optional)</td>
<td>1/1</td>
<td>1/1</td>
<td>1/1</td>
<td>1/1</td>
<td>1/1</td>
<td>1/1</td>
<td>1/1</td>
<td>1/1</td>
<td>1/1</td>
<td>1/1</td>
<td>1/1</td>
<td>1/1</td>
</tr>
<tr>
<td>LAN-Ethernet (IEEE 802.3) RJ45</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>SMART PORT-INTERACTIVE READY HOTEL TV APP.RJ12</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>HD322 (INPUT) (D-SUB 9)</td>
<td>via SCART</td>
<td>via SCART</td>
<td>via SCART</td>
<td>via SCART</td>
<td>via SCART</td>
<td>via SCART</td>
<td>via SCART</td>
<td>via SCART</td>
<td>via SCART</td>
<td>via SCART</td>
<td>via SCART</td>
<td>via SCART</td>
</tr>
</tbody>
</table>

### PICTURE
- ZOOM MODES (ASPECT RATIO)
  - Default
  - Optional
  - N/A

### CONNECTIVITY FEATURES
- DYNAMIC CONTRAST
  - Default
  - Optional
  - N/A

### HBR TV (1.3)
- Default
  - Optional
  - N/A

### FREEVIEW PLAY
- Default
  - Optional
  - N/A

### WIFI (VIA USB DONGLE)
- Default
  - Optional
  - N/A

### HTML5 SUPPORT (BY YOUTUBE LB4 2014)
- Default
  - Optional
  - N/A

### 4K SUPPORT (BY YOUTUBE VP9 2015)
- Default
  - Optional
  - N/A

### DLNA 1.5
- Default
  - Optional
  - N/A

### DLNA 2.1
- Default
  - Optional
  - N/A

### BLUETOOTH
- Default
  - Optional
  - N/A

### PORTAL SUPPORT
- Default
  - Optional
  - N/A

### WIFI (INTERNAL)
- Default
  - Optional
  - N/A

### OPEN INTERNET
- Default
  - Optional
  - N/A

### BBC iPLAYER, NEWS, SPORTS, CRB
- Default
  - Optional
  - N/A

### NETFLIX
- Default
  - Optional
  - N/A

### NETFLIX 4K
- Default
  - Optional
  - N/A

### WIRELESS DISPLAY
- Default
  - Optional
  - N/A

### USB CLONING
- Default
  - Optional
  - N/A

### USB COLLING
- Default
  - Optional
  - N/A

### FEATURE OSD
- Default
  - Optional
  - N/A

### E-IB
- Default
  - Optional
  - N/A

### DIGITAL (DVB)
- Default
  - Optional
  - N/A

### EPG TIMELINE SCHEDULE
- Default
  - Optional
  - N/A

### COMMON INTERFACE (PCMCIA SLOT FOR PAY CHANNELS)
- Default
  - Optional
  - N/A

### COMMUNICATION
- Default
  - Optional
  - N/A

### CEC (CONNECTED EQUIPMENT FEATURES VIA HDMI)
- Default
  - Optional
  - N/A

### POWER SUPPLY
- Default
  - Optional
  - N/A

### STAND-BY POWER
- Default
  - Optional
  - N/A

### CERTIFICATES
- Default
  - Optional
  - N/A

### NOTE
- LAN (Ethernet) and Mobil TV (12V DC adapter option) can not be supported together.
- Netflix 4.1 is supported
- ARC supported through HDMI
- Default
  - Optional
  - N/A

Specifications are subject to change without prior notice.
**SPECIFICATIONS**

<table>
<thead>
<tr>
<th>TV SPECIFICATIONS</th>
<th>43&quot;</th>
<th>49&quot;</th>
<th>50&quot;</th>
<th>55&quot;</th>
<th>65&quot;</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>MB130</td>
<td>MB130</td>
<td>MB130</td>
<td>MB130</td>
<td>MB130</td>
</tr>
<tr>
<td><strong>MAIN FEATURES</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>FULL HD</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>ULTRA HD</td>
<td>*</td>
<td>*</td>
<td>*</td>
<td>*</td>
<td>*</td>
</tr>
<tr>
<td>DVB-T/C MPEG2</td>
<td>*</td>
<td>*</td>
<td>*</td>
<td>*</td>
<td>*</td>
</tr>
<tr>
<td>DVB-S MPEG2</td>
<td>o</td>
<td>o</td>
<td>o</td>
<td>o</td>
<td>o</td>
</tr>
<tr>
<td>DVB-T/C/T2 MPEG4</td>
<td>*</td>
<td>*</td>
<td>*</td>
<td>*</td>
<td>*</td>
</tr>
<tr>
<td>DVB-S/2 MPEG4</td>
<td>o</td>
<td>o</td>
<td>o</td>
<td>o</td>
<td>o</td>
</tr>
<tr>
<td>DVB-C2 MPEG4</td>
<td>o</td>
<td>o</td>
<td>o</td>
<td>o</td>
<td>o</td>
</tr>
<tr>
<td>HEVC (H.265)</td>
<td>*</td>
<td>*</td>
<td>*</td>
<td>*</td>
<td>*</td>
</tr>
<tr>
<td>ISDB-TB</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>TV-DVD PLAYER COMBI</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>MEDIA PLAYER</td>
<td>*</td>
<td>*</td>
<td>*</td>
<td>*</td>
<td>*</td>
</tr>
<tr>
<td>PVR READY (USB RECORD)</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>HDMI (1.1/1.2/1.3/1.4/2.0)</td>
<td>2.0</td>
<td>2.0</td>
<td>2.0</td>
<td>2.0</td>
<td>2.0</td>
</tr>
<tr>
<td><strong>RECEPTION &amp; TUNING SYSTEMS</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>TUNER VHF/UHF/CABLE</td>
<td>*</td>
<td>*</td>
<td>*</td>
<td>*</td>
<td>*</td>
</tr>
<tr>
<td>PAL SECAM B/G D/K I/I' (TRI STANDART)</td>
<td>*</td>
<td>*</td>
<td>*</td>
<td>*</td>
<td>*</td>
</tr>
<tr>
<td>NTSC</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>DUAL TUNER</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td><strong>SOUND</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>GER(D) + NICAM STEREO</td>
<td>*</td>
<td>*</td>
<td>*</td>
<td>*</td>
<td>*</td>
</tr>
<tr>
<td>DOLBY DIGITAL PLUS (DD+)</td>
<td>o</td>
<td>o</td>
<td>o</td>
<td>o</td>
<td>o</td>
</tr>
<tr>
<td>DDCO</td>
<td>o</td>
<td>o</td>
<td>o</td>
<td>o</td>
<td>o</td>
</tr>
<tr>
<td>NS11</td>
<td>*</td>
<td>*</td>
<td>*</td>
<td>*</td>
<td>*</td>
</tr>
<tr>
<td>DTS TRUSURROUND</td>
<td>o</td>
<td>o</td>
<td>o</td>
<td>o</td>
<td>o</td>
</tr>
<tr>
<td>DTS 2.0+ DIGITAL OUT</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>DTS HD</td>
<td>o</td>
<td>o</td>
<td>o</td>
<td>o</td>
<td>o</td>
</tr>
<tr>
<td>SURROUND SOUND</td>
<td>o</td>
<td>o</td>
<td>o</td>
<td>o</td>
<td>o</td>
</tr>
<tr>
<td>AUDIO OUTPUT POWER (RMS)</td>
<td>2x10W*</td>
<td>2x10W</td>
<td>2x10W</td>
<td>2x10W</td>
<td>2x12W</td>
</tr>
<tr>
<td>SUBWOOFER AUDIO OUTPUT MAX POWER (RMS)</td>
<td>-</td>
<td>o</td>
<td>o</td>
<td>o</td>
<td>o</td>
</tr>
<tr>
<td><strong>CONNECTORS</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>RF: TV/CATV 75 OHMS COAXIAL</td>
<td>*</td>
<td>*</td>
<td>*</td>
<td>*</td>
<td>*</td>
</tr>
<tr>
<td>SCART</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>COMPOSITE VIDEO/AUDIO IN</td>
<td>side</td>
<td>side</td>
<td>side</td>
<td>side</td>
<td>side</td>
</tr>
<tr>
<td>AUDIO LINE OUT VIA HEADPHONE</td>
<td>*</td>
<td>*</td>
<td>*</td>
<td>*</td>
<td>*</td>
</tr>
<tr>
<td>YPBPR (COMPONENT) IN</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>YPBPR IN VIA VGA</td>
<td>*</td>
<td>*</td>
<td>*</td>
<td>*</td>
<td>*</td>
</tr>
<tr>
<td>VGA (PC IN: D-SUB15)</td>
<td>*</td>
<td>*</td>
<td>*</td>
<td>*</td>
<td>*</td>
</tr>
<tr>
<td>PC AUDIO IN</td>
<td>via SideAV</td>
<td>via SideAV</td>
<td>via SideAV</td>
<td>via SideAV</td>
<td>via SideAV</td>
</tr>
<tr>
<td>HDMI (Default/Optional)</td>
<td>2/1</td>
<td>2/1</td>
<td>2/1</td>
<td>2/1</td>
<td>2/1</td>
</tr>
<tr>
<td>ARC&amp;CEC</td>
<td>*</td>
<td>*</td>
<td>*</td>
<td>*</td>
<td>*</td>
</tr>
<tr>
<td>HDCP (1.2/2.0/2.3)</td>
<td>2.2</td>
<td>2.2</td>
<td>2.2</td>
<td>2.2</td>
<td>2.2</td>
</tr>
<tr>
<td>DIGITAL AUDIO OUTPUT (OPTIC)</td>
<td>optic</td>
<td>optic</td>
<td>optic</td>
<td>optic</td>
<td>optic</td>
</tr>
<tr>
<td>HEADPHONE OUT (MAIN VOLUME CONTROL)</td>
<td>o</td>
<td>o</td>
<td>o</td>
<td>o</td>
<td>o</td>
</tr>
<tr>
<td>HEADPHONE OUT (HEADPHONE VOL,CONTROL SUPPORT DUAL CHANNELS)</td>
<td>o</td>
<td>o</td>
<td>o</td>
<td>o</td>
<td>o</td>
</tr>
<tr>
<td>SUBWOOFER LINE OUT/PASSIVE</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>INTERNAL SUBWOOFER</td>
<td>-</td>
<td>o</td>
<td>o</td>
<td>o</td>
<td>o</td>
</tr>
<tr>
<td>USB 2.0 (Default/Optional)</td>
<td>1/1</td>
<td>1/1</td>
<td>1/1</td>
<td>1/1</td>
<td>1/1</td>
</tr>
<tr>
<td>LAN-Ethernet (IEEE 802.3 RJ45)</td>
<td>1/1</td>
<td>1/1</td>
<td>1/1</td>
<td>1/1</td>
<td>1/1</td>
</tr>
</tbody>
</table>

Specifications are subject to change without prior notice.
### TV Specifications

<table>
<thead>
<tr>
<th>Connector</th>
<th>43&quot;</th>
<th>49&quot;</th>
<th>50&quot;</th>
<th>55&quot;</th>
<th>65&quot;</th>
</tr>
</thead>
<tbody>
<tr>
<td>MB130</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MB130</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>RS232 (IN/OUT) (D-SUB 9')</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

#### Picture

- Zoom Mode (Aspect Ratio)
  - Default: * Supported
  - Optional: ○ Not supported
  - N/A: - Not applicable

- Dynamic Contrast: * Supported
  - HDR: ○ Not supported

#### Connectivity Features

- HBBTV (1.5): ○ Supported
- FREEVIEW PLAY: ○ Supported
- HTML5 SUPPORT (BY YOUTUBE LB4 2014): ○ Supported
- 4K SUPPORT (BY YOUTUBE VP9 2015): ○ Supported
- DLNA 1.5: ○ Supported
- DLNA 2.1: ○ Supported
- BLUETOOTH: ○ Supported
- PORTAL SUPPORT: ○ Supported
- WiFi (Internal): ○ Supported
- OPEN INTERNET: ○ Supported
- BBC iPLAYER, NEWS, SPORTS, CRB: ○ Supported
- NETFLIX/NETFLIX 4K: ○ Supported
- WIRELESS DISPLAY: ○ Supported

#### Additional Features

- USB CLONING: ○ Supported
- FEATURE OSD: ○ Supported
- E-IB: ○ Supported

#### Digital (DVB)

- MENU LANGUAGES: English, German, French, Danish, Finnish, Norwegian, Swedish, Croatian, Czech, Dutch, Greek, Bulgarian, Hungarian, Italian, Polish, Portuguese, Romanian, Russian, Slovak, Slovenian, Spanish, Turkish, Lithuanian, Latvian, Estonian, Ukrainian, Serbian, Arabic, Persian, Hebrew, Albanian, Gaedic, Macedonian, Montenegrin, Flemish, Kaashik, Thai, Belorussian

- EPG Timeline Schedule: * Supported
- Common Interface (PCMCIA Slot for Pay Channels): * Supported

#### Communication

- CEC (CONNECTED EQUIPMENT FEATURES VIA HDMI): ○ Supported

#### Operation

- POWER SUPPLY: 220-240V AC
  - Default: ○ Not supported
  - Optional: * Supported
  - N/A: - Not applicable

- STAND-BY POWER: <0.5W
  - Default: ○ Not supported
  - Optional: * Supported
  - N/A: - Not applicable

#### Certificates

- WEEE COMPLIANT: ○ Supported
- ROHS COMPLIANT: ○ Supported

---

**NOTE**
- BAV IN/OUT option is available for Non-EC models.
- Netflix 4.1 is supported.
- Scart-1 and mini scart option cannot be supported at the same time.
- USB 3 and RJ12 (special hotel TV) options cannot be given at the same time.
- ARC supported through HDMI.

Specifications are subject to change without prior notice.
## TV SPECIFICATIONS

### MAIN FEATURES

<table>
<thead>
<tr>
<th>Feature</th>
<th>65&quot;</th>
<th>55&quot;</th>
</tr>
</thead>
<tbody>
<tr>
<td>OLED</td>
<td>*</td>
<td>*</td>
</tr>
<tr>
<td>100Hz (Flicker Free)</td>
<td>*</td>
<td>*</td>
</tr>
<tr>
<td>DVB-T2 MPEG4</td>
<td>*</td>
<td>*</td>
</tr>
<tr>
<td>DVB-S2 MPEG4</td>
<td>*</td>
<td>*</td>
</tr>
<tr>
<td>DVB-T2-MPEG4</td>
<td>*</td>
<td>*</td>
</tr>
<tr>
<td>DVB-S2-MPEG4</td>
<td>*</td>
<td>*</td>
</tr>
<tr>
<td>HEVC (H.265)</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>ISDB-TB</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>MEDIA PLAYER</td>
<td>*</td>
<td>*</td>
</tr>
<tr>
<td>PVR READY (USB RECORD)</td>
<td>o</td>
<td>o</td>
</tr>
<tr>
<td>HDMI (1.1/1.2/1.3/1.4/2.0)</td>
<td>2.0</td>
<td>2.0</td>
</tr>
</tbody>
</table>

### RECEPTION & TUNING SYSTEMS

<table>
<thead>
<tr>
<th>Feature</th>
<th>65&quot;</th>
<th>55&quot;</th>
</tr>
</thead>
<tbody>
<tr>
<td>TUNER VHF/UHF/CABLE</td>
<td>*</td>
<td>*</td>
</tr>
<tr>
<td>APS / ATS (AUTO SEARCH)</td>
<td>*</td>
<td>*</td>
</tr>
<tr>
<td>ISDB-TB</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>PAL SECAM B/G D/K I/I’ (TRI STANDART)</td>
<td>*</td>
<td>*</td>
</tr>
<tr>
<td>NTSC</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

### SOUND

<table>
<thead>
<tr>
<th>Feature</th>
<th>65&quot;</th>
<th>55&quot;</th>
</tr>
</thead>
<tbody>
<tr>
<td>GER(D) + NICAM STEREO</td>
<td>*</td>
<td>*</td>
</tr>
<tr>
<td>EQUALIZER (5 BAND)</td>
<td>5 band</td>
<td>5 band</td>
</tr>
<tr>
<td>DTS TRUSURROUND</td>
<td>o</td>
<td>o</td>
</tr>
<tr>
<td>DTS HD</td>
<td>o</td>
<td>o</td>
</tr>
<tr>
<td>SURROUND SOUND</td>
<td>o</td>
<td>o</td>
</tr>
<tr>
<td>AUDIO OUTPUT POWER (RMS)</td>
<td>2x12W</td>
<td>2x12W</td>
</tr>
<tr>
<td>SUBWOOFER AUDIO OUTPUT MAX POWER (RMS)</td>
<td>12W</td>
<td>12W</td>
</tr>
</tbody>
</table>

### CONNECTORS

<table>
<thead>
<tr>
<th>Feature</th>
<th>65&quot;</th>
<th>55&quot;</th>
</tr>
</thead>
<tbody>
<tr>
<td>RF / TV / CATV 75 OHMS COAXIAL</td>
<td>*</td>
<td>*</td>
</tr>
<tr>
<td>SCART (EUROCONNECTOR)</td>
<td>*</td>
<td>*</td>
</tr>
<tr>
<td>COMPOSITE VIDEO/AUDIO IN</td>
<td>via Back YPbPr</td>
<td>via Back YPbPr</td>
</tr>
<tr>
<td>AUDIO LINE OUT VIA HEADPHONE</td>
<td>*</td>
<td>*</td>
</tr>
<tr>
<td>TFPR (COMPONENT) IN</td>
<td>*</td>
<td>*</td>
</tr>
<tr>
<td>VGA (PC IN: D-SUB15)</td>
<td>*</td>
<td>*</td>
</tr>
<tr>
<td>PC AUDIO IN</td>
<td>via YPbPr</td>
<td>via YPbPr</td>
</tr>
<tr>
<td>HDMI (Default/Optional)</td>
<td>2/2</td>
<td>2/2</td>
</tr>
<tr>
<td>HDMI (ARC/CEC)</td>
<td>o</td>
<td>o</td>
</tr>
<tr>
<td>HDCP (1.2/2.0/2.2)</td>
<td>2.2</td>
<td>2.2</td>
</tr>
<tr>
<td>DIGITAL AUDIO OUTPUT (OPTIC)</td>
<td>*</td>
<td>*</td>
</tr>
<tr>
<td>HEADPHONE OUT (MAIN VOLUME CONTROL)</td>
<td>*</td>
<td>*</td>
</tr>
<tr>
<td>HEADPHONE OUT (HEADPHONE VOL. CONTROL SUPPORT DUAL CHANNELS)</td>
<td>o</td>
<td>o</td>
</tr>
<tr>
<td>SUBWOOFER LINE OUT(PASSIVE)</td>
<td>*</td>
<td>*</td>
</tr>
<tr>
<td>INTERNAL SUBWOOFER</td>
<td>o</td>
<td>o</td>
</tr>
<tr>
<td>USB2 (1.3)</td>
<td>o</td>
<td>o</td>
</tr>
<tr>
<td>USB3 (2.0)</td>
<td>*</td>
<td>*</td>
</tr>
</tbody>
</table>

### SPECIFICATIONS

Specifications are subject to change without prior notice.

### CONTACT US

Specifications are subject to change without prior notice.

### NOTE

- BAIV IN / OUT option is available for Non-EC models.
- Netflix 4.1 is supported.
- Start 1 and mini scart option can not be supported at the same time.
- USB 3 and RJ45 (special hotel TV) options can not be given at the same time.
- ARC supported through HDMI.

- Default ▪ Optional ▪ N/A

### TV SPECIFICATIONS

#### 65"

<table>
<thead>
<tr>
<th>Feature</th>
<th>*</th>
<th>*</th>
</tr>
</thead>
<tbody>
<tr>
<td>LAN-ETHERNET (IEEE 802.3) RJ45</td>
<td>*</td>
<td>*</td>
</tr>
<tr>
<td>RS232 (IN/OUT) (D-SUB 9)</td>
<td>via SCART</td>
<td>via SCART</td>
</tr>
<tr>
<td>DIGITAL SW UPDATE</td>
<td>USB &amp; LAN (Single SW)</td>
<td>USB &amp; LAN (Single SW)</td>
</tr>
<tr>
<td>PICTURE</td>
<td>*</td>
<td>*</td>
</tr>
<tr>
<td>ZOOM MODES (ASPECT RATIO)</td>
<td>*</td>
<td>*</td>
</tr>
<tr>
<td>DYNAMIC CONTRAST</td>
<td>*</td>
<td>*</td>
</tr>
<tr>
<td>PROGRESSIVE SCAN</td>
<td>*</td>
<td>*</td>
</tr>
<tr>
<td>MEMC (MOTION ESTIMATION + MOTION COMPENSATION)</td>
<td>*</td>
<td>*</td>
</tr>
<tr>
<td>HDR10</td>
<td>o</td>
<td>o</td>
</tr>
<tr>
<td>HDR</td>
<td>o</td>
<td>o</td>
</tr>
<tr>
<td>Delby Vision</td>
<td>o</td>
<td>o</td>
</tr>
</tbody>
</table>

#### 55"

<table>
<thead>
<tr>
<th>Feature</th>
<th>*</th>
<th>*</th>
</tr>
</thead>
<tbody>
<tr>
<td>MEDIA PLAYER</td>
<td>*</td>
<td>*</td>
</tr>
<tr>
<td>PVR READY (USB RECORD)</td>
<td>o</td>
<td>o</td>
</tr>
<tr>
<td>HDMI (1.1/1.2/1.3/1.4/2.0)</td>
<td>2.0</td>
<td>2.0</td>
</tr>
</tbody>
</table>

### CONNECTORS

<table>
<thead>
<tr>
<th>Feature</th>
<th>65&quot;</th>
<th>55&quot;</th>
</tr>
</thead>
<tbody>
<tr>
<td>LAN-ETHERNET (IEEE 802.3) RJ45</td>
<td>*</td>
<td>*</td>
</tr>
<tr>
<td>RS232 (IN/OUT) (D-SUB 9)</td>
<td>via SCART</td>
<td>via SCART</td>
</tr>
<tr>
<td>DIGITAL SW UPDATE</td>
<td>USB &amp; LAN (Single SW)</td>
<td>USB &amp; LAN (Single SW)</td>
</tr>
<tr>
<td>PICTURE</td>
<td>*</td>
<td>*</td>
</tr>
<tr>
<td>ZOOM MODES (ASPECT RATIO)</td>
<td>*</td>
<td>*</td>
</tr>
<tr>
<td>DYNAMIC CONTRAST</td>
<td>*</td>
<td>*</td>
</tr>
<tr>
<td>PROGRESSIVE SCAN</td>
<td>*</td>
<td>*</td>
</tr>
<tr>
<td>MEMC (MOTION ESTIMATION + MOTION COMPENSATION)</td>
<td>*</td>
<td>*</td>
</tr>
<tr>
<td>HDR10</td>
<td>o</td>
<td>o</td>
</tr>
<tr>
<td>HDR</td>
<td>o</td>
<td>o</td>
</tr>
<tr>
<td>Delby Vision</td>
<td>o</td>
<td>o</td>
</tr>
</tbody>
</table>

### MEDIA PLAYER

- PVR READY (USB RECORD)
- HDMI (1.1/1.2/1.3/1.4/2.0)

### RECEPTION & TUNING SYSTEMS

- TUNER VHF/UHF/CABLE
- APS / ATS (AUTO SEARCH)
- PAL SECAM B/G D/K I/I’ (TRI STANDART)
- NTSC

### SOUND

- GER(D) + NICAM STEREO
- EQUALIZER (5 BAND)
- DTS TRUSURROUND
- DTS HD
- SURROUND SOUND
- AUDIO OUTPUT POWER (RMS)

### CONNECTORS

- RF / TV / CATV 75 OHMS COAXIAL
- SCART (EUROCONNECTOR)
- COMPOSITE VIDEO/AUDIO IN
- AUDIO LINE OUT VIA HEADPHONE
- TFPR (COMPONENT) IN
- VGA (PC IN: D-SUB15)
- PC AUDIO IN
- HDMI (Default/Optional)
- HDMI (ARC/CEC)
- HDCP (1.2/2.0/2.2)
- DIGITAL AUDIO OUTPUT (OPTIC)
- HEADPHONE OUT (MAIN VOLUME CONTROL)
- HEADPHONE OUT (HEADPHONE VOL. CONTROL SUPPORT DUAL CHANNELS)
- SUBWOOFER LINE OUT(PASSIVE)
- INTERNAL SUBWOOFER
- USB2 (1.3)
- USB3 (2.0)

### SPECIFICATIONS

Specifications are subject to change without prior notice.

### NOTE

- BAIV IN / OUT option is available for Non-EC models.
- Netflix 4.1 is supported.
- Start 1 and mini scart option can not be supported at the same time.
- USB 3 and RJ45 (special hotel TV) options can not be given at the same time.
- ARC supported through HDMI.

- Default ▪ Optional ▪ N/A