



**Panasonic TX-32MS490E Android-TV**

**Picture Quality**

|                      |  |                                      |
|----------------------|--|--------------------------------------|
| <b>Display</b>       | <b>Panel</b>                           | FHD                                  |
|                      | <b>Screen Resolution</b>               | 1920 (W) x 1080 (H)                  |
|                      | <b>Panel Drive</b>                     | 2K 700 Hz RMR                        |
|                      | <b>Picture Mode</b>                    | User/Standard/Vivid/Sport/Movie/Game |
|                      | <b>Ultra HD Premium*1</b>              | —                                    |
|                      | <b>Muti HDR Support*2</b>              | HDR10/HLG                            |
|                      | <b>HDR Brightness Enhancer</b>         | Y                                    |
|                      | <b>Dynamic HDR Effect</b>              | N                                    |
|                      | <b>Contrast</b>                        | High Contrast                        |
|                      | <b>Colour Space</b>                    | N                                    |
|                      | <b>Advanced Video Processor/Engine</b> | N                                    |
|                      | <b>Local Dimming</b>                   | N                                    |
|                      | <b>Adaptive Backlight Dimming</b>      | N                                    |
|                      | <b>THX Certified Display*3</b>         | N                                    |
|                      | <b>isf Mode</b>                        | N                                    |
| <b>Sound Quality</b> | <b>Dolby Atmos</b>                     | N                                    |
|                      | <b>Surround</b>                        | N                                    |
|                      | <b>Speaker Output</b>                  | 12 W (6 W x 2)                       |



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**Sound Mode**Sound mode WO/DAP  
User/Standard/Vivid/Sport/Movie/Music/NewsSound mode W/DAP  
Smart/Movie/Music/News

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**Smart Features**

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|--|--|
| <b>Smart TV</b>                          | Android TV (v.11)  |
| <b>Voice Personal Assistant</b>          | Google Assistant   |
| <b>Voice Guidance</b>                    | N  |
| <b>EPG</b>                               | Y  |
| <b>On Screen Display Menu Languages</b>  | 35 Languages* <sup>16</sup>  |
| <b>Digital TV</b>                        | DVB-T/T2/C/S/S2  |
| <b>Twin Tuner</b>                        | —  |
| <b>Wireless LAN Built-in</b>             | Y  |
| <b>TV Anywhere*<sup>4</sup></b>          | —  |
| <b>In-House TV Streaming (DVB-IP)</b>    | —  |
| <b>Panasonic TV Remote Apps</b>          | —  |
| <b>Swipe &amp; Share</b>                 | —  |
| <b>Web Browser*<sup>5</sup></b>          | N<br>(Web Browser can be downloaded from Google Play Store)  |
| <b>Mirroring</b>                         | Chromecast built in  |
| <b>Home Network*<sup>6</sup></b>         | N  |
| <b>Bluetooth*<sup>7</sup></b>            | Y  |
| <b>Bluetooth Audio Link*<sup>8</sup></b> | N  |
| <b>IP Home Control</b>                   | N  |
| <b>Media Player</b>                      | Y  |
| <b>Support Format</b>                    | Video: .mpg/.mpeg/.dat/.vob/.mkv/.mp4/.m4a/.m4v/.mov/.flv/.3gp/.3gpp/.ts/.m2ts/.rmvb/.rm/.avi/.asf/.wmv/.webm<br>Audio: .mp3/.wma/.wav/.aac/.m4a/.ogm/.ogg/ac3/.eac3/.flac<br>Photo: .jpg/.jpeg/.bmp/.png/.gif |
| <b>Data Broadcasting</b>                 | Hbb TV 2.0.2   |

|                     |       |
|---------------------|-------|
| Teletext Reception  | 1000P |
| USB-HDD Recording*9 | N     |
| Multi Window        | N     |
| HDAVI Control       | Y     |

## Energy Data

|                                      |                          |
|--------------------------------------|--------------------------|
| Suppliers Trademark                  | Panasonic                |
| Model ID                             | TX-32MS490E              |
| Energy Efficiency Class              | E                        |
| Visible Screen Size (diagonal)       | 80 cm / 32 inches        |
| On mode Average Power Consumption*10 | 26W                      |
| Annual Energy Consumption*11         | —                        |
| Standby Power Consumption            | 0.5W                     |
| Off mode Power Consumption           | NA                       |
| Screen Resolution                    | 1920 (W) x 1080 (H)      |
| Power Supply                         | AC 220 - 240 V, 50/60 Hz |
| Rated Power Consumption              | -                        |
| Ambient Sensor (CATS)                | N                        |

## Design

|               |   |
|---------------|---|
| Switch Design | — |
|---------------|---|

## Terminal

|                         |   |
|-------------------------|---|
| Digital Tuner Reception | DVB-T/T2/C/S/S2                                 |
| Analogue Tuner          | Y   |
| HDMI*12                 | 1 (side), 2 (rear)                              |
| HDMI (HDCP2.2)          | 3   |
| Support Feature         | Audio Return Channel (Input 2, rear)<br>HDMI1.4 |

|  |  |
|--|--|
| <b>USB</b>   | 2 (2 side, USB 2.0 x 2)                          |
| <b>Ethernet</b>                                    | 1  |
| <b>CI (Common Interface)</b>                       | 1 (CI Plus, Version 1.4)                         |
| <b>Scart Connector</b>                             | —  |
| <b>Component Video Input shared with Composite</b> | RCA type x 1 (rear)                              |
| <b>Digital Audio Output (Coax)</b>                 | —  |
| <b>Digital Audio Output (Optical)</b>              | 1 (rear)   |
| <b>PC input(VGA) + PC Audio In</b>                 | 1x PC input (rear) + 1xPC Audio In (via rear AV) |
| <b>Headphone Output</b>                            | 1 (side)   |

## General

|   |   |
|---|---|
| <b>Included Accessory</b> *13                 | TV Remote (Bluetooth/embedded microphone) |
| <b>Dimensions (W x H x D) (w/o stand)</b>     | 732x435x78                                |
| <b>Dimensions (W x H x D) (with stand)*14</b> | 732x479x185                               |
| <b>Dimension Pedestal</b>                     | 385x20x185                                |
| <b>Weight (w/o stand)</b>                     | 4,50 kg                                   |
| <b>Weight (with stand)</b>                    | 5,50 kg                                   |
| <b>VESA Compatible</b>                        | Y   |
| <b>VESA Dimension</b>                         | 75x75(M4)                                 |
| <b>Outer Boxed Unit (W x H x D)</b>           | 795x128x530                               |
| <b>Total Boxed Weight</b>                     | 7,00 kg                                   |

## Note

\*1 Ultra HD Premium™ logo is a trademark of the UHD Alliance, Inc.

\*2 All models: Supporting HDR does not increase the peak brightness capabilities of the TV panel.

Full HD & HD models: The ability to send a non 4K HDR signal via HDMI depends fully on the playback device. The majority of 4K Blu-ray discs require HDCP2.2 on TV to play back HDR, whereas the HDMI input on this TV support only HDCP1.4; accordingly not all HDR contents are guaranteed to be enjoyed on the TV.

\*3 THX and the THX logo are trademarks of THX Ltd. which are registered in some jurisdictions. The THX 3D logo is a trademark of THX Ltd. All rights reserved.

\*4 Due to network conditions or certain broadcaster restrictions, this function may not be available.

\*5 The Web Browser cannot display some web pages correctly. And viewable contents by the Web Browser are subject to the following conditions;

- viewable contents may vary depend on models,

- viewable contents may differ from those for PC,

- viewable contents may be limited.

\*6 File formats that are not supported by your Network Contents server (DLNA compatible server, etc.) cannot be played.

\*7 HID (Human Interface Device Profile) compliant keyboards are available. A2DP (Advanced Audio Distribution Profile) compliant audio devices are available. The Bluetooth® word mark and logos are owned by the Bluetooth SIG, Inc. and any use of such marks by Panasonic Corporation is under license.

\*8 When a Bluetooth device is connected to the TV, it is possible that the Bluetooth audio output may not be synchronized (i.e. be delayed) with relation to the images on the screen. This is not a defect of the TV or the device. The delay time will differ depending on the device.

\*9 This feature requires a USB hard drive or flash drive with a capacity of at least 160 GB.

\*10 Based on IEC 62087 Ed.2 measurement method.

\*11 Energy consumption XYZ kWh per year, based on the power consumption of the television operating 4 hours per day for 365 days. The actual energy consumption will depend on how the television is used.

\*12 The terms HDMI and HDMI High-Definition Multimedia Interface, and the HDMI Logo are trademarks or registered trademarks of HDMI Licensing, LLC in the United States and other countries.

\*13 Not all the accessories are listed here.

\*14 Dimension with recommended pedestal style.

\*15 Supporting HSP standardized by CTA-2072 (HDR Still Photo Interface)

\*16 35 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, Gaelic, Macedonian, Kazakh, Thai, Belarussian)

\*17 To playback HDR, a HDR source is required (H.264 or H.265(ST2084 or HLG format)).

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