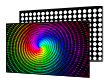




W90C SERIES



QD-MINI LED

ENTRY 4K UHD QD-MINI LED TV

75" TN-75W90CEZS / 198cm
EAN 5025232999170

65" TN-65W90CEZS / 164cm
EAN 5025232999187

55" TN-55W90CEZS / 139cm
EAN 5025232999194

Enter the world of QD-Mini LED and enjoy deep blacks and high contrast

Experience breathtaking 4K visuals with QD-Mini LED technology and Glare Free Ultra, delivering vivid colours, deep blacks, and outstanding contrast, even in the brightest rooms. Whether you're streaming your favorite content via Google TV or diving into fast-paced gaming, the 120 Hz refresh rate ensures every frame is smooth, immersive, and crystal clear.

QD-Mini LED Technology with Dynamic Local Dimming Ultra features thousands of LED backlights and delivers outstanding contrast and colours.

Glare Free Ultra: See intense blacks and whites in all their glory, no matter what's shining on your screen. Glare Free Ultra Technology reduces light reflections, so you can enjoy your favorite content without distracting mirror-effect.

AI 4K Colour Engine: Recreate every shade of reality.

Surround Sound: Feel the immersive soundtrack thanks to Surround Sound with Dolby Atmos®.

Game Mode for low latency and super fast reaction.

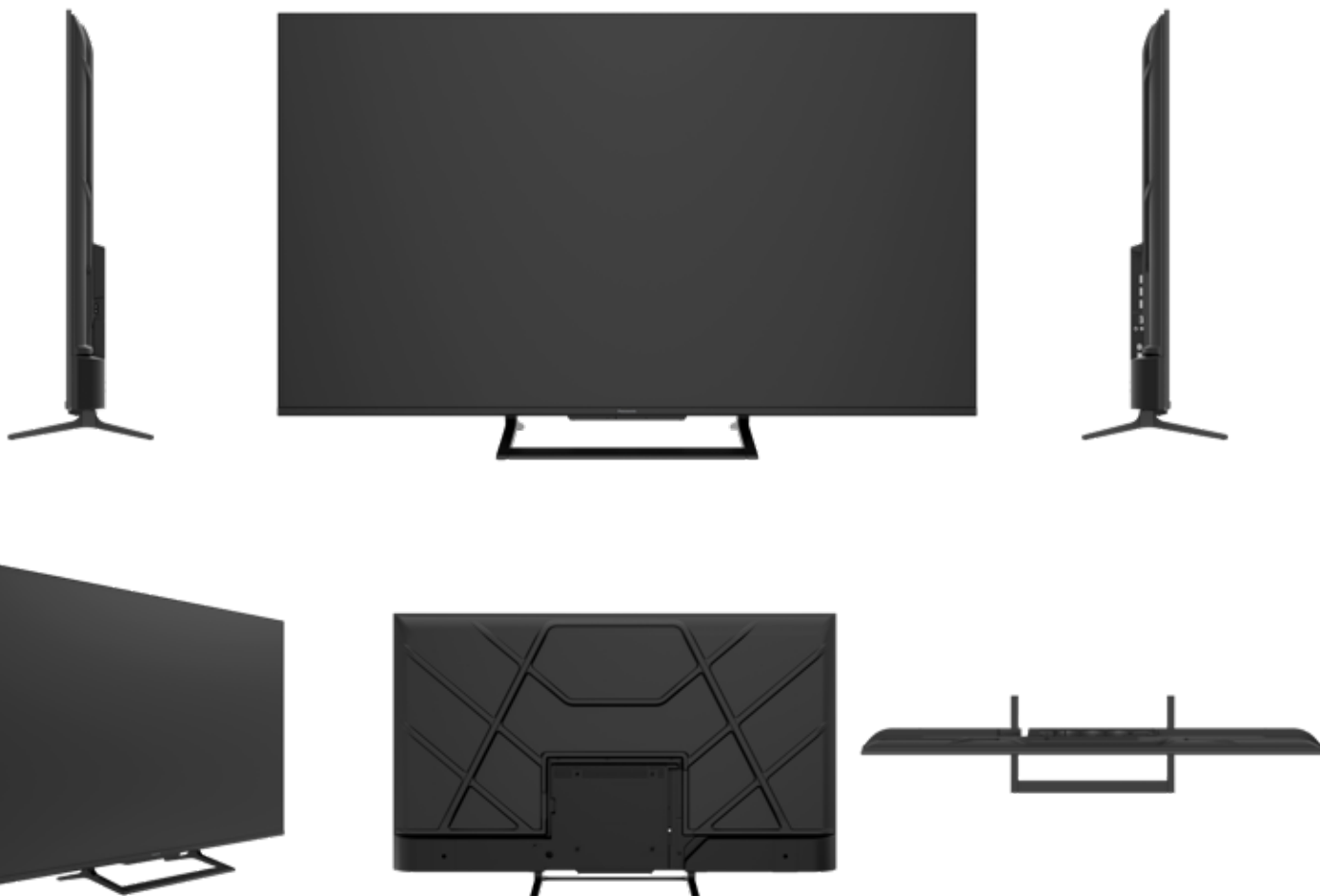
Multi-HDR: See stunning HDR performance with support for major formats such as Dolby Vision and HDR10+

Google TV for intuitive usability with personalized content recommendation.



4K ULTRA HD

		TN-75W90CEZS	TN-65W90CEZS	TN-55W90CEZS
Picture	Panel Technology	4K QD-Mini LED	4K QD-Mini LED	4K QD-Mini LED
	Resolution (W x H)	4K Ultra HD / 3.840 x 2.178	4K Ultra HD / 3.840 x 2.177	4K Ultra HD / 3.840 x 2.176
	Panel Refresh Rate	60 Hz (up to 120 Hz in Overclocking mode with HSR)	60 Hz (up to 120 Hz in Overclocking mode with HSR)	60 Hz (up to 120 Hz in Overclocking mode with HSR)
	Smooth Motion Drive Pro	—	—	—
	Multi HDR Support*2	HDR10+ / HLG / Dolby Vision	HDR10+ / HLG / Dolby Vision	HDR10+ / HLG / Dolby Vision
	Glare Free	Glare Free Ultra	Glare Free Ultra	Glare Free Ultra
	Dimming/Contrast	Local Dimming Supreme / DLED	Local Dimming Supreme / DLED	Local Dimming Supreme / DLED
	Colour Space	Wide Colour Spectrum	Wide Colour Spectrum	Wide Colour Spectrum
	Dolby Vision IQ	—	—	—
	HDR10+ Adaptive	—	—	—
	Filmmaker Mode	●	●	●
	Processor/Engine	AI 4K Colour Engine	AI 4K Colour Engine	AI 4K Colour Engine
	AI for Picture	●	●	●
Sound	Picture Mode	Energy Saving / User / Standard / Sport / Vivid / Movie / Game	Energy Saving / User / Standard / Sport / Vivid / Movie / Game	Energy Saving / User / Standard / Sport / Vivid / Movie / Game
	isf Mode	—	—	—
	Calman READY	—	—	—
	Dolby Atmos	●	●	●
	Surround	Surround Sound	Surround Sound	Surround Sound
	Speaker Channel Configuration	Stereo	Stereo	Stereo
	Speaker Output	30 W (15 W x2)	30 W (15 W x2)	30 W (15 W x2)
	Auto AI for Sound	—	—	—
	Sound Mode	Standard / Vivid / News / Movie / Music / Sports / User	Standard / Vivid / News / Movie / Music / Sports / User	Standard / Vivid / News / Movie / Music / Sports / User
	Smart TV	Google TV	Google TV	Google TV
	Google Assistant*3 Built-in	● (Hands-free)	● (Hands-free)	● (Hands-free)
	Works with Google Assistant	●	●	●
	Alexa*4	—	—	—
Smart Features*1	Works with Alexa	●	●	●
	Fire TV Ambient Mode	—	—	—
	Art Time Mode (Frame Mode)	●	●	●
	Additional Voice Assistant	—	—	—
	Apple AirPlay*5	—	—	—
	Apple Home*5	—	—	—
	Home Network*6	● (Client)	● (Client)	● (Client)
	IP Home Control	—	—	—
	In-House TV Streaming (SATIP/DVB-IP)	—	—	—
	Mirroring / Cast	Mirroring / Chromecast	Mirroring / Chromecast	Mirroring / Chromecast
	Media Player	●*17	●*17	●*17
	Game Mode	● Game Mode	● Game Mode	● Game Mode
	HDMI 2.1 VRR Support	● (Up to 60 Hz + HSR)	● (Up to 60 Hz + HSR)	● (Up to 60 Hz + HSR)
Gaming	HDMI 2.1 HFR Support	—	—	—
	AMD FreeSync Premium*7	—	—	—
	G-Sync Compatible*8	—	—	—
	Wireless LAN Built-in*9	● Dual Band AC	● Dual Band AC	● Dual Band AC
	Bluetooth*10	● HID / HOGP (Keyboard/Mouse) A2DP (Stereo Audio: Out)	● HID / HOGP (Keyboard/Mouse) A2DP (Stereo Audio: Out)	● HID / HOGP (Keyboard/Mouse) A2DP (Stereo Audio: Out)
	Bluetooth Audio Link*11	●	●	●
	HDMI Inputs*12	3	3	3
	HDCP	● (HDCP2.3)	● (HDCP2.3)	● (HDCP2.3)
	HDMI Support Feature	HDMI2.1 Support Feature eARC (Enhanced Audio Return Channel) ALLM (Auto Low Latency Mode) VRR (Variable Refresh Rate)	HDMI2.1 Support Feature eARC (Enhanced Audio Return Channel) ALLM (Auto Low Latency Mode) VRR (Variable Refresh Rate)	HDMI2.1 Support Feature eARC (Enhanced Audio Return Channel) ALLM (Auto Low Latency Mode) VRR (Variable Refresh Rate)
	HDMI Signal Power Link	—	—	—
	USB	1	1	1
	Ethernet	1	1	1
Connectivity	CI (Common Interface)	1 (CI Plus, Version 1.4, ECP)	1 (CI Plus, Version 1.4, ECP)	1 (CI Plus, Version 1.4, ECP)
	Composite Video Input	—	—	—
	Component Video Input shared with Composite	—	—	—
	Digital Audio Output (Optical)	1	1	1
	Digital Audio Output (Coax)	—	—	—
	PC input (VGA) + PC Audio In	—	—	—
	Headphone Output	1	1	1
	Digital Tuner	DVB-T / T2 / DVB-S2 / DVB-C	DVB-T / T2 / DVB-S2 / DVB-C	DVB-T / T2 / DVB-S2 / DVB-C
	Analog Tuner	—	—	—
	Data Broadcasting	Hbb TV	Hbb TV	Hbb TV
	USB-HDD Recording*13	● incl. Timeshift	● incl. Timeshift	● incl. Timeshift
	Multi Window	—	—	—
	HDMI CEC Control	●	●	●
Broadcasting	Voice Guidance	●	●	●
	EPG	●	●	●
	On Screen Display Menu Languages	48 Languages*19	48 Languages*19	48 Languages*19
	Twin Tuner	—	—	—
	Pedestal Shape	U Shape Central Pedestal	U Shape Central Pedestal	U Shape Central Pedestal
	Pedestal Material / Colour	Metal / Black	Metal / Black	Metal / Black
	Suppliers Trademark	Panasonic	Panasonic	Panasonic
	Model ID	TN-75W90CEZS	TN-65W90CEZS	TN-55W90CEZS
	Energy Efficiency Class	SDR: F; HDR: G	SDR: F; HDR: G	SDR: E; HDR: G
	Visible Screen Size (diagonal)	189 cm / 75 inches	164 cm / 65 inches	139 cm / 55 inches
	On mode Average Power Consumption*14	SDR: 107 kWh/1000h; HDR: 165 kWh/1000h	SDR: 102 kWh/1000h; HDR: 169 kWh/1000h	SDR: 64 kWh/1000h; HDR: 82 kWh/1000h
	Standby Power Consumption	0,5 W	0,5 W	0,5 W
	Off mode Power Consumption	—	—	—
Energy Data	Screen Resolution	3.840 x 2.160	3.840 x 2.160	3.840 x 2.160
	Power Supply	AC 100 – 240 V, 50/60 Hz	AC 100 – 240 V, 50/60 Hz	AC 100 – 240 V, 50/60 Hz
	Rated Power Consumption	TBD	TBD	TBD
	Ambient Sensor (CATS)	●	●	●
	Epel Reg. Number	2710586	2710587	2710588
	Included Accessory*15	Voice TV Remote (2x AAA Batteries)	Voice TV Remote (2x AAA Batteries)	Voice TV Remote (2x AAA Batteries)
	Dimensions (W x H x D) (w/o stand)	1668 x 967,6 x 74,9 mm	1446 x 841 x 73 mm	1226 x 716,8 x 70 mm
	Dimensions (W x H x D) (with stand)*16	1668 x 1020,2 x 362,9 mm	1446 x 895 x 363 mm	1226 x 763,9 x 257,4 mm
	Weight (w/o stand)	19,1 kg	13,7 kg	9,26 kg
	Weight (with stand)	19,9 kg	14,4 kg	8,76 kg
	Dimension Pedestal (W x D)	602 x 363 mm	466 x 363 mm	433 x 257 mm
	VESA Compatible	●	●	●
	VESA Dimension (W x H)	500 x 300 mm	400 x 300 mm	200 x 200 mm
General	Outer Boxed Unit (W x H x D)	1830 x 1165 x 140 mm	1620 x 988 x 132 mm	1318 x 846 x 106 mm
	Total Boxed Weight	28 kg	20,1 kg	13,5 kg
	EAN Code	5025232999170	5025232999187	5025232999194



EPREL Reg. Numbers:

TN-75W90CEZS	2710586
TN-65W90CEZS	2710587
TN-55W90CEZS	2710588

LEGAL NOTES

- *1 Features and specifications are subject to change without prior notification. Internet connection is required with smart functions. To enable all function above, please update and use the latest software.
- *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. Please check the HDCP version of HDMI inputs. Not all HDR contents are guaranteed to be enjoyed on the TV.
- *3 Google TV is the name of this device's software experience and a trademark of Google LLC. Google and Google Cast are trademarks of Google LLC. Google Assistant is not available in certain languages and countries.
- *4 Amazon, Alexa is not available in certain languages and countries. Requires internet connection. Subscriptions for services may be required. Amazon, Fire, Alexa and all related marks are trademarks of Amazon.com, Inc. or its affiliates.
- *5 Apple, AirPlay, and HomeKit are trademarks of Apple Inc., registered in the U.S. and other countries and regions. The Works with Apple Home badge is a trademark of Apple Inc.
- *6 File formats that are not supported by your Network Contents server (DLNA compatible server, etc.) cannot be played.
- *7 ©2024 Advanced Micro Devices, Inc. All rights reserved. AMD, the AMD Arrow logo, FreeSync, and combinations thereof are trademarks of Advanced Micro Devices, Inc.
- *8 ©2021 NVIDIA, the NVIDIA logo, and NVIDIA G-SYNC are trademarks and/or registered trademarks of NVIDIA Corporation in the U.S. and other countries.
- *9 In case the password of the registered device or user is known by a third party, there is a risk of unauthorized entries. Keep your password safe. Panasonic will make no warranty for the unauthorized entries. To prevent a risk of interception, unauthorized entries and hacking, set up the proper security settings (encryption setting).

- *10 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.
- *11 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.
- *12 The terms HDMI, HDMI High-Definition Multimedia Interface, and the HDMI Logo are trademarks or registered trademarks of HDMI Licensing Administrator, Inc.
- *13 This feature requires a USB hard drive or flash drive with a capacity of at least 160 GB. Broadcast from TV>IP cannot be recorded.
- *14 Based on (EU) 2019/2021 transitional measurement method.
- *15 Not all the accessories are listed here.
- *16 Dimension with recommended pedestal style.
- *17 To playback HDR, a HDR source is required (H.264 or H.265 (ST2084 or HLG format)).
- *18 27 Languages (English / German / Italian / Spanish / French / Danish / Finnish / Swedish / Dutch / Hungarian / Czech / Romanian / Bulgarian / Polish / Norwegian / Estonian / Latvian / Lithuanian / Portuguese / Turkish / Greek / Croatian / Slovak / Slovenian / Serbian / Russian / Macedonian)
- *19 48 Languages (English / German / French / Italian / Spanish / Portuguese / Dutch / Polish / Romanian / Greek / Czech / Hungarian / Swedish / Danish / Norwegian / Finnish / Slovak / Bulgarian / Croatian / Serbian / Slovenian / Albanian / Macedonian / Estonian / Latvian / Lithuanian / Russian / Ukrainian / Turkish / Arabic / Simplified Chinese / Traditional Chinese (Taiwan) / Japanese / Korean / Hindi / Thai / Vietnamese / Indonesian / Malay / Tamil / Mongolian / Burmese / Persian / Hebrew / Kazakh / Georgian / Uzbek / Amharic / Swahili / Bosnian)