

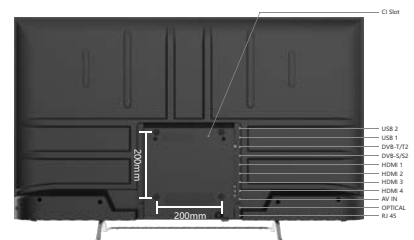
SMART  TECH | androidtv



50"

MODEL NO.: 50QA20VAUK

4K UHD  
Quantum Dot  
Android TV™





# BEZEL-LESS DESIGN

With the introduction of a new generation optical bonding technology, Smart Tech TV frames can be made slimmer. It allows a larger display area while maintaining a neat and contemporary design.

- Wider viewing angles up to 178 degrees
- Immersive viewing experience
- 1mm ultra-slim bezels



## ULTRA-THIN

Smart Tech TV offers you less than 8mm thickness (thinnest part) with our DLED technology. It brings to your house a complete new level of elegance and minimalism.



## METAL CENTRAL BASE

Stands safely on a smaller TV shelf, or flexibility places at any corners in the house.



## WALL MOUNTED TV

Mount it on the wall to perfectly blend in the interior design



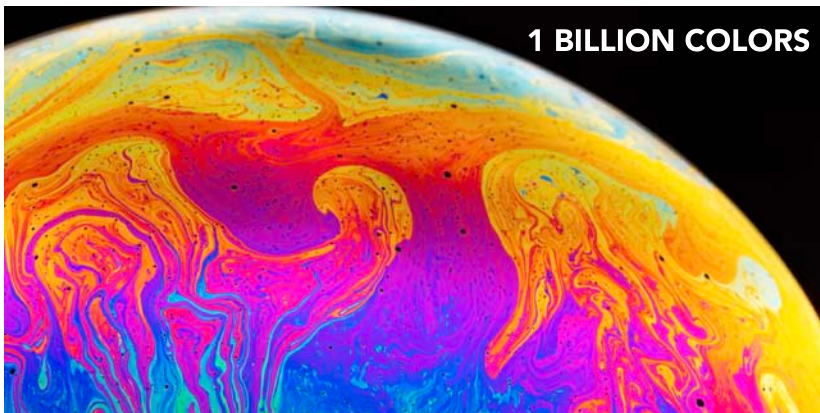
# TECHNOLOGY

Shows over a Billion colors.  
A truly breathtaking viewing experience in superior contrast,  
with rich color details and incredible picture performance by  
more than one billion colors.

BACK  
LIGHT

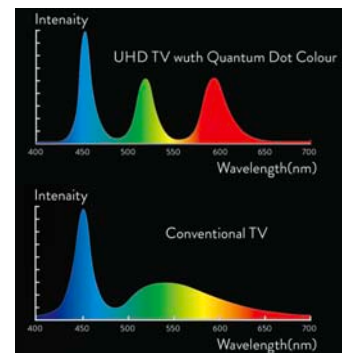
QUANTUM  
DOTS

LCD  
PANEL



1 BILLION COLORS

## SPECTRUM



## HDR 10

With HDR 10 picture decoding technology, SmartTech TV brings you enhanced brightness level, higher contrast and more vivid image quality so you can immerse yourself into the content on the TV.



SDR

HDR

## MEMC

Algorithm to overcome the motion blur effect. MEMC technology detects movement patterns of the objects and apply interpolation between pixels, providing much more smooth video experience





**Dolby Vision**



with  
Dolby Vision



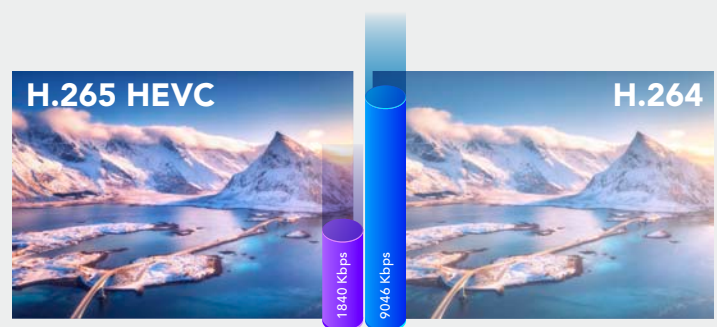
without  
Dolby Vision

## PICTURE QUALITY

Vivid, lifelike image with as much visual information as possible in every scene.

## HEVCAdvance™

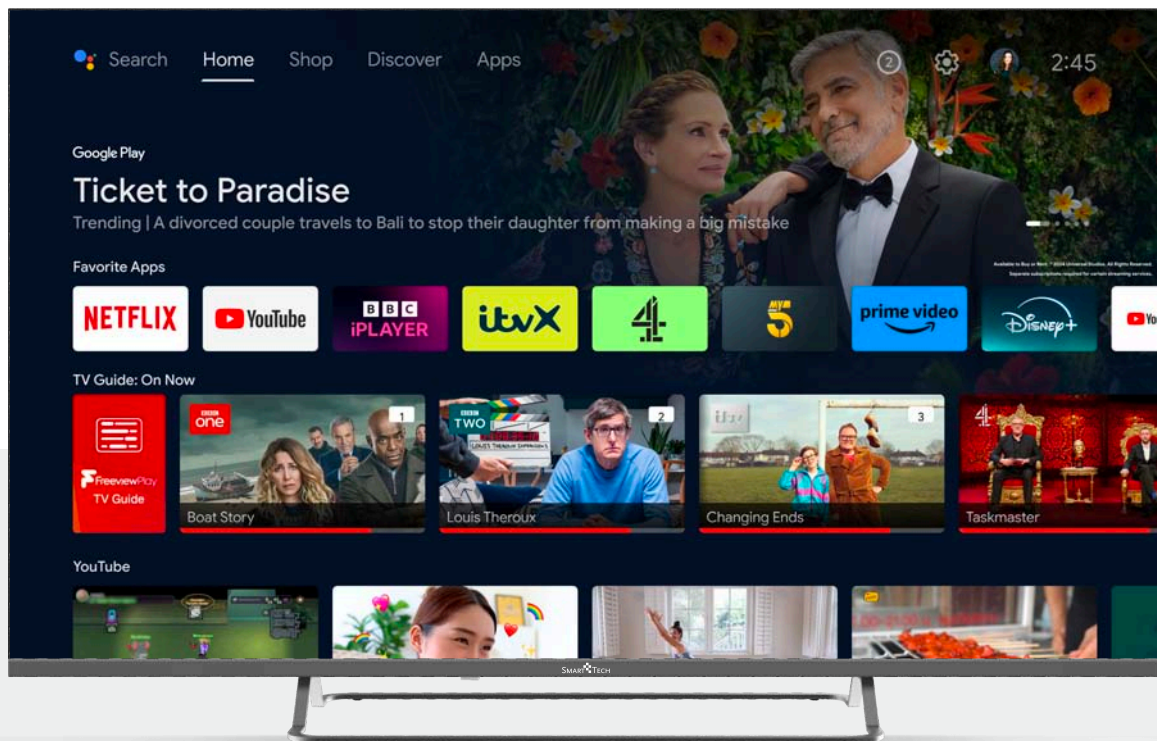
H.265 High Efficiency Video Coding (HEVC) is an advanced video compressions standard, which offers much better picture quality in the same bit rate when compared to regular H.264 standard.



## HLG (HYBRID LOG-GAMMA)

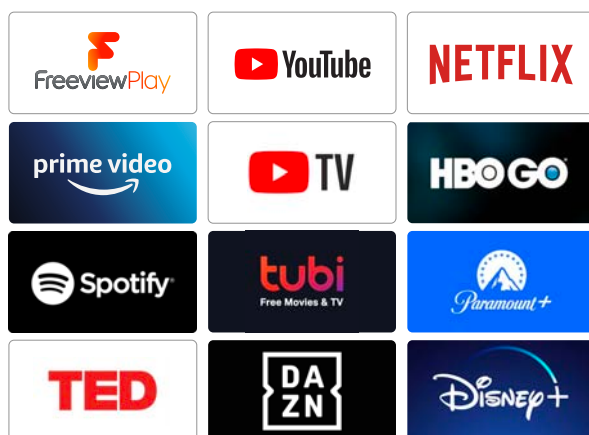
Provides better compatibility to display better picture quality regardless of the source. It enhances the brightness, sharpness, and color gamut .

# androidtv



## ANDROID TV GIVES YOU A SMARTER, EASIER WAY TO GET MORE FROM YOUR TV.

Choose from 400,000+ movies and shows from across streaming services. Ask Google to control your TV, get recommendations of what to watch, dim the lights, and more with your voice. Cast photos, videos, and music from smart devices to your TV with Chromecast built-in.



(\*Apps availability could be different country by country)



Google Play is your entertainment unbound. It brings together all of the entertainment you love and helps you explore it in new ways, anytime, anywhere.



**The biggest shows live and on demand  
ALL FOR FREE**



## Step 1

Connect your broadband and aerial to this TV and simply tune to get your Freeview channels

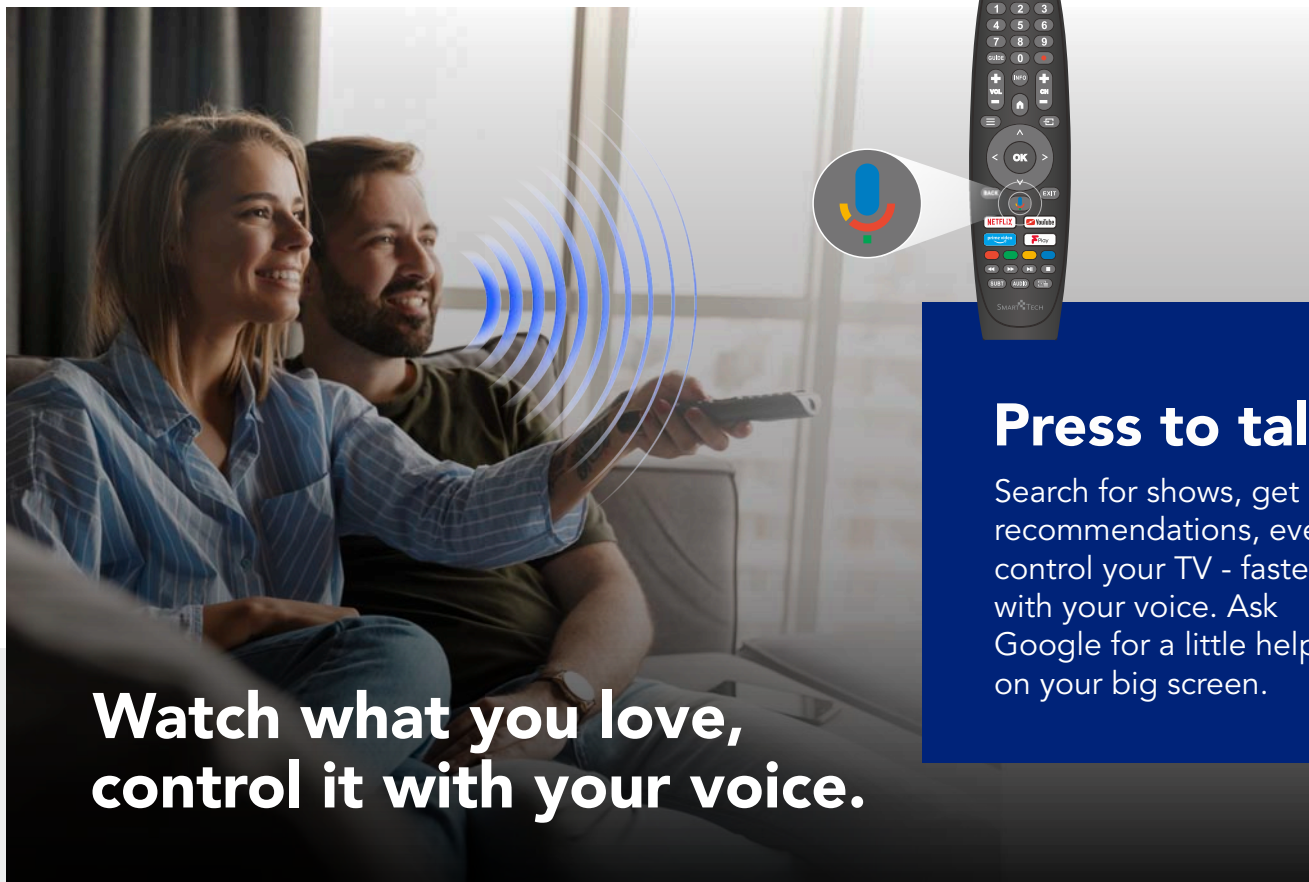


## Step 2

Visit Channel 100 to access over 60,000 hours of free on-demand TV all in one place

Availability of channels subject to geographic location and coverage. Aerial upgrade may be required. Visit [freeview.co.uk/availability](http://freeview.co.uk/availability). Minimum 2Mbps broadband required for catch up and on demand services. Watching on demand and catch up count towards monthly broadband data allowances. 7-day catch up for selected channels.





**Watch what you love,  
control it with your voice.**

## Press to talk

Search for shows, get recommendations, even control your TV - faster - with your voice. Ask Google for a little help on your big screen.

**Stream the entertainment you love from your phone,  
tablet or laptop to your TV.**



With Chromecast built into Smart Tech TVs your phone becomes your remote. Simply tap the Cast button from apps you already know and love to stream entertainment from your phone, tablet or laptop to the TV.





## Dolby Atmos

Dolby Atmos transports you from the ordinary into the extraordinary with breath-taking, moving audio that fills your room and flows around you

## CUBIC SPEAKERS

Providing cinematic viewing experience. The new speakers adopted larger drivers that elevate multiple audio experiences, including stronger bass and echo that could amplify your acoustic immersion.



QUAD-CORE  
**CPU**

ARM CA53 \*4  
+  
TEE 1.5GHz

**2G**  
DDR

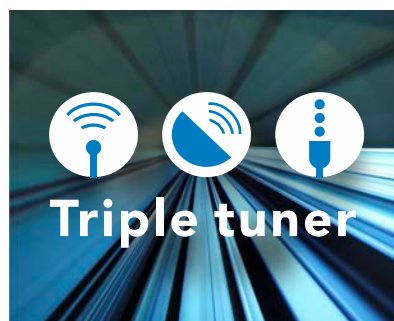
Larger cache memory  
for smooth operation

TRIPLE-CORE  
**GPU**

Mali G52 MC1 550MHz  
↑ 50%

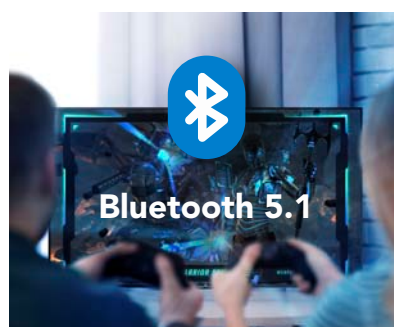
**8G**  
ROM

More storage for the  
APPs you like



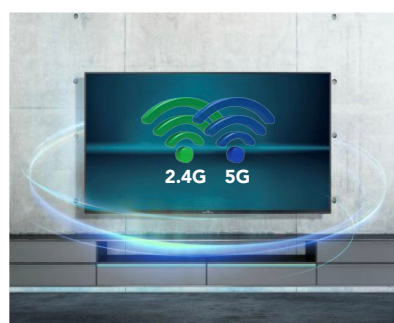
## DVB-T2/S2/C

Cable connection (DVB-C), satellite connection (DVB-S2) and terrestrial television (DVB-T2), it is ideally suited to any existing reception situation thanks to its standard integrated triple tuner and delivers the best possible TV picture depending on the reception type.



## BLUETOOTH

More convenient by Bluetooth connection to Remote control, earphone, soundbar, smartphone and other Bluetooth devices.



## 2.4G+5G WIFI

Enjoy the rapid and steady WiFi connection under the technology. No more trouble & lag during your movies and shows streaming.



## PICTURE

Display technology.....	D-LED
Screen size(inches/cm).....	50/126
Digonal screen size (inches/cm).....	50/126
Panel resolution.....	UHD-QLED
Resolution.....	3840*2160
Panel brightness in cd/m².....	280
Active motion.....	60HZ
Dynamic contrast.....	4000:1
Typ.response time in ms (GTG).....	9.5
Aspect ratio.....	16:9
Vision angles.....	178°*178°
HDR10 (High Dynamic Range).....	Yes
MEMC.....	Yes

## SOUND

Music power output (watts).....	2x10W
Intergrated speakers.....	Yes
Dolby Digital Plus™.....	Yes
Sound system.....	ATV:BG, DK, I,NICAM/A2 DTV:MPEG-1 layer 1/2 MPEG-2 layer 2/AC3/EAC3
Sound settings.....	Standard/theater/music/speech/ sports/late night
Audio decoder.....	Digital amplifier
Equaliser.....	Yes(5 Modes)
Dolby Vision.....	Yes
Dolby Atoms.....	Yes

## Tuner/Broadcasting

DTV Tuner.....	DVB-T/T2/C/S/S2
Video decoding.....	MPEG-2, MPEG-4, H.265.Main@L5.1- 1920*1080@60fps
Analogue tuner.....	IEC
Analogue tuner system.....	PAL, SECAM
CI+ slot.....	1.4
Electronic program guide (EPG)....	7*24 hours
Teletext.....	Yes
Auto channel serach.....	Yes
Channel edit.....	Yes
LCN.....	Yes

## OPERATION

Child lock.....	Yes
Sleep timer.....	Yes
Top teletext.....	1000 pages
USB Video.....	MPG, AVI, TS, MOV, MKV, MP4, VOB,AVI,3PG,MPEG
USB Music.....	MP3,M4A,AAC
USB Photo.....	JPG, JPEG, BMP, PNG
USB software update.....	Yes
USB file system.....	FAT16/FAT32/NTFS
USB HID support.....	Yes
Hotel Mode.....	No
Store Mode.....	Yes

## SMART FUNCTION

Processor.....	ARM CA53 *4 TEE 1.5GHz
Operation system.....	Android TV
HbbTV.....	Yes
Smart TV portal.....	Yes
LAN.....	Yes
WiFi.....	Yes
Bluetooth®.....	Yes
Pre-installed apps.....	Yes
DDR.....	2G
Internal memory.....	8G
Smartphone/ Tablet remote support.....	Yes
Wifi display(Miracast).....	Yes
DLNA.....	Yes
AirPlay.....	No
Voice control.....	Yes
Far field.....	No

## CONNECTIVITY

HDMI.....	4
HDMI version.....	2.0
HDMI CEC.....	Yes
HDMI ARC.....	Yes
HDMI MHL.....	No
HDCP.....	1.4/2.2
USB 2.0.....	2
USB 3.0.....	0
CI+ slot.....	Yes
RF in (IEC Terrestrial/Cable).....	Yes
RF in (F sat).....	Yes
Scart.....	No
VGA.....	No
Composite/CVBS + Audio In.....	Yes
Mini AV in.....	No
Digital Audio Out.....	Optical
Headphone.....	No
Ethernet(LAN RJ-45).....	Yes
YPbPr.....	No

## GENERAL DATA

Brand.....	SMART TECH
Model.....	50QA20VAUK
TV Color.....	Gray
Stand type&color.....	New U3 metal Gray
Remote control model.....	CX-616
Battery type.....	R03 (carbon-zinc)
Power supply.....	AC 100-240V~ 50/60Hz
Standby mode/Off-mode Power consumption.....	Yes/≤0.5W
Networked standby mode power consumption.....	N/A
Energy class (EPREL SDR).....	E
Energy consumption kWh/1000h (SDR) *.....	53
Energy class (EPREL HDR).....	E
Energy consumption kWh/1000h (HDR) *.....	54
Annual energy consumption **.....	77kWh
Power consumption working (max.)..	100W
Peak Luminance Ratio.....	65%
Mercury content (mg).....	0
Contains lead (within the legally prescribed limit values).....	Yes
Net size with stand (W x H x D in mm).....	1111.3*691.4*260
Net size without stand (W x H x D in mm).....	1111.3*643.2*76.7
Carton size (W x H x D in mm).....	1210*735*126
Net weight (kg).....	9.10
Gross weight (kg).....	11.90
VESA standard (mm).....	200*200
EAN.....	5999862972097

\*The ON-mode power consumption was messured in Eco-mode (factory settings)according to IEC 62087, Edition 2.

The power consumption stated upon the Identification label of the TV-set was determined with maximum settings of all parameters regarding picture brightness

\*\*Annual energy consumptionr, based on the power consumption of the television operating 4 hours per day for 365 days. The actual energy consumption will depend on how television is used.