

TCL

50EP680

50"

Ultra Slim 4K UHD TV
with HDR PRO and
Android TV



Share Unique TV Moments in 4K HDR ! Powered by AndroidTV



4K HDR PRO
unrivalled blacks, higher
contrast and vivid colours



Dolby Vision
Brighter brights, deeper darks
and a wider range of colours



Wide Color Gamut
The Colours of
Cinema



Dolby Atmos
transports you into the story
with moving audio

androidtv

Android TV
Entertainment tailored
for you



Google Assistant
Meet your Google Assistant.
Ask it questions. Tell it to do things



Alexa
lets your voice control your world

NETFLIX

NETFLIX
now, available in
4K UHD HDR quality

50EP680



DISPLAY

Screen size (inches/cm)	50 / 127
Visible screen size : diagonal(inches/cm)	50 / 126
Panel resolution	UHD
Wide color Technology	Wide Color Gamut
HDR (High Dynamic Range)	Yes
HDR formats	Dolby Vision, HDR10+, HDR10, PQ10, HLG
HDR brightness	-
Picture Performance Index*	1700
Resolution	3840x2160
Curved / Curvature	-
10 bit panel	Yes
Dynamic contrast	Mega
Picture processing	IPQ 2.0 Engine
Dimming	Pro
Ultra AR coating	-
UHD upscaling	UHD Super Resolution
Color management	UHD Premium Color Extender
Digital Noise Reduction	Yes
Film Mode	Yes

* Picture performance Index

AUDIO

Sound power	2x10 W
Music sound power	2x20 W
Dolby	Dolby AC4, Dolby TrueHD
Sound Processing	Dolby Atmos, Virtualization & upmix
Equaliser	Yes
Speaker type	Down Firing
Audio quality by	-
Speakers	Full range
Digital Pure Sound	-
Woofer	-
Auto volume control	Yes

SMART CONTENT

Processor	Quad Core
SmartTV	AndroidTV & TV+ (29 languages)
Android OS	Android P (9.0)
GuideOn (Internet EPG)	-
4K	Netflix, YouTube, Amazon Prime & more
Applications	Google Play Store & TV+
Social	Yes
Web browser	Yes
HbbTV	2.0.2
Voice search	Built-in

CONVENIENCE

Smartphone / Tablet remote support	Yes
USB multimedia*	Yes
Caption/Subtitle	Yes
Divx compatibility	-
Clock & On/Off timer	-
Game mode	Yes
Sports mode	Yes
Multipicture	PAT
Sleep timer	Yes
Hotel mode	Yes w. OTT purge (v317)
OSD Languages	29
HDMI CEC (T-link)	Full
HDMI quick switch	Yes

* USB key not included

CONVERGENCE

Bluetooth	A2DP, HID
DLNA 1.5	Yes
Wifi display (Miracast)	Chromecast & T-cast
USB HID support	Yes

CONTROL

Remote control batteries	Yes
Remote Control	RC802N4+RC802V4

TUNER/BROADCASTING

DTV Tuner	DVB-T2/C/S2
Video decoding	H.265 UHD, H.264, MPEG-2
Analogue tuner	Yes
Analogue tuner systems	PAL/SECAM/NTSC (AV) BG/DK/LL'
CI+	Yes (1.4)
EPG (DVB EIT/SI)	up to 8 days
Auto channel search	Yes
Teletext	Yes

CONNECTIVITY

HDMI	3 x 2.0b
HDCP 2.2	2.2
USB	2 x 2.0
YPbPr	CVBS Optional
DVI-in (video)	via HDMI3
Ethernet (LAN RJ-45)	Yes
Wifi	Built-in b/g/n
Digital Audio Out	Optical
Headphone	Yes
RF in (IEC Terrestrial/Cable)	1
RF in (F Sat)	1
Sat: Diseq / SCD	Yes v.2.2 / No
CI slot	1
HDMI ARC	via HDMI 1
HDMI max resolution	2160P/60Hz 422 12bit
MHL	Yes (3.0) via HDMI1
Power cable	Detachable, 1.5 m

DESIGN

Color	Brushed titanium metal front
Vesa size	300 x 200 mm
Stand type	Fixed

POWER

Energy efficiency class*	A
Auto power off	Yes
Power supply	220-240V~50Hz
Power consumption (standby)*	0.26 W
Power consumption (network standby)*	0.29 W
Power consumption (on mode IEC62087 Ed.2)*	92 W
Annual power consumption (EU standard)*	135 kWh
Peak luminance ratio	75%
Power consumption (maximum)*	135 W
Mercury content	0.0 mg
Presence of Lead	Yes

*estimation

DIMENSIONS & WEIGHT

Product Size	1113 / 701 / 266 mm
Stand width	619 mm
Product size w/o stand	1113 / 652 / 10-36-65-74 mm
Packaging size	1259 / 760 / 142 mm
Product / packaging	12.20 / 16.20 kg
Without stand	10.80 kg
EAN	5901292512903
Manual - languages number	29
Incl. 3D glasses	-