



Optoma Creative Touch 53 Series

Interactive Flat Panel Displays

Smart Business Solutions

The new-gen Creative Touch 53 Series premium interactive flat panel displays

Optoma Creative Touch 53 Series provides true 4K UHD resolution, Android 13.0 system, and quad-core processing processors, which are designed to create an excellent and smooth collaboration and interaction experience for the next generation of smarter classrooms and meeting spaces.

Optoma Interactive Flat Panel Displays has built-in Optoma exclusive OSS (Optoma Solution Suite), including Whiteboard, Display Share, file manager, and OMS and other applications, whether it is touch or writing, wireless sharing, interactive collaboration, or device management, all can be done easily.

Powerful Hardware

- Quad-core CPU
- Android 13.0 OS
- 8G DDR4 + 64G ROM
- 18W speakers ×2 + 8W subwoofer ×2
- 2.4G / 5G WiFi support (optional)



Clear image

- 4K Ultra HD 60Hz
- 4K UI design
- HDR10 support



Google-EDLA Certified

- Native Android OS for the most up to date features
- Access to Google Play, Google Mobile Services, and more
- Enhanced security such as two-step authentication and data encryption

Natural writing experience

- Less than 0.99mm air gap
- 4096 pressure sensitivity
- Using the Optoma quick launch pen with pen holder detection

New touch frame

- Up to 50 touch points (windows), 32 points Android
- Low parallax 0.6mm air gap
- Recognize 3mm small object size
- Touch response time ≤ 5ms



Eye protection

- Low blue light (TUV certified)
- Flicker Free (TUV certified)
- Dim brightness when writing
- Anti-glare and anti-fingerprint coating
- Current dimming to remove flicker
- Automatic brightness adjustment



Optoma File Manager

- Cloud storage (Google/MS/Dropbox)
- File upload wirelessly
- QR code download (LAN)



High security

- Screen lock & OSD lock
- Advanced password for adv. setting
- USB storage / Wi-Fi disable
- Pin code to protect personal cloud drive



Quick-draw pen

Be ready to start any lesson in seconds. The included quick-draw pen instantly activates the whiteboard application, saving the time and energy spent on having to manually change modes.



Smart Classroom Solutions

Optoma Smart Whiteboard

Make the classroom digitalized for a more effective and interactive learning experience. Digitalized learning space is essential to create an engaging environment. Our education solutions provide the tool teachers need for more engaged learning, sharing, and skills acquisition. The teaching software Optoma Whiteboard works together with interactive flat panels, helping teachers to plan lessons, enrich content, and engage participants anywhere, anytime.

Google Classroom support

Empower teachers with the ability to effortlessly create and import lesson materials from any location. The integration with Optoma Whiteboard seamlessly connects with Google Classroom, unlocking the power of paperless sharing and digital collaboration. Teachers can now craft lesson plans from the comfort of their homes and instantly access them in any classroom, making lesson delivery a breeze.

Cloud remote collaboration

Through the AWS support platform, even if two meeting spaces are separated, the synchronized screen and collaboration function can be enabled through the connection of the Optoma Whiteboard intelligent whiteboard.

Display Share

Break the Cable Barrier: Embrace Wireless Screen Mirroring !

Get ready for the ultimate wireless experience! Optoma Display Share software, featured by color aid, makes it a breeze to connect your devices and share your content on the big screen. Say goodbye to cables and hello to seamless screen mirroring of high-quality images, videos, and documents from your phone, laptop, or PC. Teachers and students will love the moderation and remote view modes, making wireless classes and note-taking more interactive and engaging than ever. Experience the future of screen sharing with Display Share, and it would be the key to unlocking effortless collaboration!



Rich template resource Incorporate pre-made resources

The templates cover diverse school subjects such as Sports, Maths, Science, Geography, Arts & Humanities, reading & writing, or seasonal holidays, etc for teachers to plan lessons efficiently. Teachers can upload preferred materials as well to enrich content.

AI Handwriting Recognition

Optoma Whiteboard supports AI handwriting recognition which can convert your handwritten letters and words to typed texts.

*Support English & Traditional Chinese languages



Multi-window demonstration

Through Display Share, you can import 32 device images to be shared simultaneously, and display up to four split images simultaneously on the interactive touch screen device. The PC version of the Display Share APP also has a moderator function to manage and select the device content you want to share.

Optoma NFC reader

With the scanning of a QR with your phone or a swipe of an NFC card, login into Optoma's interactive flat panel display and have all your settings at your fingertips in an instant. Start a meeting, lesson, or brainstorming session in mere seconds.

*To support account login via NFC, optional NFC sensor box (WL10C) is required to be installed.

IT management solution via OMS (Optoma Management Suite)

Teachers can have peace of mind knowing their IT managers can support them remotely using Optoma's Management Suite (OMS) solution. IT managers can monitor and diagnose issues with any display so teachers aren't left in the dark. Teachers can also set alerts and broadcast emergency announcements.



Smart Business Solutions

Optoma Smart Whiteboard

Creative sharing is easy with built-in annotation tools to help facilitate collaboration in the meeting. Designed for hybrid working, Optoma Whiteboard provides smart collaboration and connectivity features for any meeting room. Work simultaneously. Two teams or individuals can work together from two separate locations in real-time.

Embedded browser

Access to websites without leaving the whiteboard

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Simple wireless sharing and mirroring easily from any device

Optoma Optoma Display Share provides a light indicator display function. When pairing a wireless device, you only need to confirm whether the lights on the device match the colors. After pairing, you can quickly stream content.

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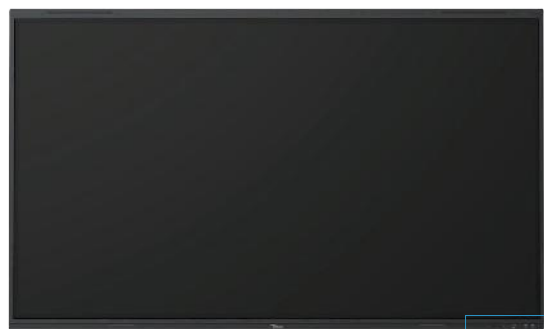
Optoma Management Suite (OMS)[™] is an intuitive cloud based display management solution, designed to streamline operations by monitoring, diagnosing and controlling audio visual displays from anywhere in the world via a single platform (WiFi access required).



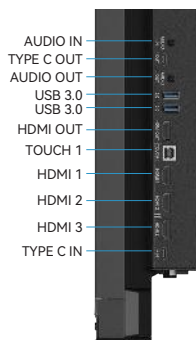
Specifications

SIZE	65"	75"	86"
MODEL	5653RK	5753RK	5863RK
DISPLAY			
Back Light	D-LED		
Resolution	4K UHD (3,840 × 2,160)		
Brightness	400 cd / m2	420 cd / m2	450 cd / m2
Contrast Ratio	4,000 : 1 (6,000 : 1 in DC mode)	4,000 : 1 (6,000 : 1 in DC mode)	4,000 : 1 (4,500 : 1 in DC mode)
Viewing Angle	178°		
Response Time (Typ.)	6.5mm		
Life	50,000 hours		
Display Colors	1.07 B (10 bit)		
Speakers	18W stereo speakers ×2 + 8W subwoofer ×2		
Surface Hardness	3.2mm Toughened Glass with 7H Mohs Standard		
Glass	Anti-glare + Anti Fingerprint		
POWER			
Power Supply	100 - 240V, 50 / 60Hz		
Standby Power	≤ 0.5W		
Power Consumption	415W	530W	570W
DIMENSIONS			
Display Dimension L × H × D (mm)	1,488 × 908 × 86	1,709 × 1,031 × 86	1,957 × 1,171 × 86
Dimension (package) L × H × D (mm)	1,628 × 1,005 × 208	1,863 × 1,140 × 225	2,110 × 1,291 × 225
VESA Mount Standard	✓		
Net Weight	39 kg	52 kg	64 kg
Gross Weight	49 kg	61 kg	80 kg
CONNECTIVITY			
HDMI 2.0 In	4 (v2.0, Front ×1, Side ×3)		
HDMI 2.0 Out	1 (v2.0, 4K@60Hz)		
VGA In	-		
Audio In	1		
Audio Out	1		
SPDIF	1		
USB 2.0	1 (Firmware upgrade)		
USB 3.0	4 (Front ×2, Side ×2)		
USB Type C In	Front ×1 & Rear ×1 (both support 3.1 gen 1, 5 Gbit/s data transmission, DisplayPort 1.2 Alt Mode, 100M LAN network sharing & Front port supports 100W power delivery (Limited to 65W while using OPS) & Rear port support 15W power delivery.		

SIZE	65”	75”	86”
MODEL	5653RK	5753RK	5863RK
USB Type C Out	Front ×1, DisplayPort 1.2, video out (4K@60Hz) & touch signal out.		
DP In	1 (v1.2)		
OPS Slot	√		
RS232	1		
LAN (RJ45)	2 (Support 10 / 100 / 1,000 Mbps)		
TOUCH SYSTEM			
Touch Type	Ultra-fine Infrared (IR)		
System Compatibility	Windows 10 / Windows 11 / Linux / Mac OS / Android / Chrome		
Touch Point	Up to 50 points touch (32 points touch in Android, 50 points touch in Windows, 10 points writing)		
Accuracy	< 1 mm		
Air Gap	Gen 2 Zero Bonding (0 ~ 0.6mm)		
Writing Tools	Fingers, Passive Infrared Pen		
EMBEDDED SYSTEM			
System Version	Android 13.0		
CPU	RK3588 (Quad Core A76 + Quad Core A55)		
GPU	ARM Quad – core Mali – G610 MC4		
RAM	8 GB		
ROM	64 GB		
WiFi (optional)	2.4G + 5G (By accessory)		
Bluetooth	Based On Optional Accessory		
ACCESSORIES			
AC Power Cable	ROA (US / UK / EU) / India (IN / UK / EU) – 3m		
Writing Pen	2 (SW13F)		
Pen Holder	√ (Occupies one USB port)		
Remote Control	√		
Basic User Manual	√		
WiFi Adapter	Optional (SI07B)		
Wall Mount	Optional (OWMFP05)		
APPS & SOFTWARE			
Display Share	√		
Whiteboard	√		
OMS	√ (Optional)		
Annotation	√		
AirShare	√		
File Manager	√ (with cloud storage support)		
OTA Software Update	√		
Auto Pen Detection	√		
Joan Meeting	√		



HDMI + USB 3.0 ×2

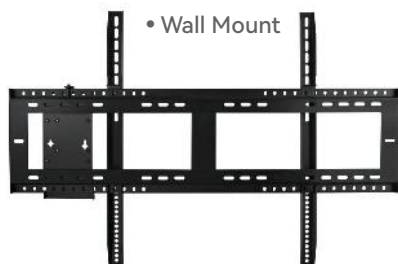


AUDIO IN
TYPE C OUT
AUDIO OUT
USB 3.0
USB 3.0
HDMI OUT
TOUCH 1
HDMI 1
HDMI 2
HDMI 3
TYPE C IN



TOUCH 2
LAN PORT x2
SPDIF
USB 2.0
RS232
DP

Optional Accessories



• Wall Mount

OWMFP05

• Mobile Trolley



ST41B



Wi-Fi Dongle / SI07B



WL10C Sensor Box

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Contrast Ratio	4,000:1 (6000:1 in DC Mode)	4,000:1 (6000:1 in DC Mode)	4,000:1 (4500:1 in DC Mode)
Viewing Angle	178°		
Response Time	6.5 ms		
Life	50,000 hours		
Display Colors	1.07 B (10 bit)		
Speakers	2 x 18W stereo speakers + 2 x 8W subwoofer		
Microphone	8 array microphone (top side)		
Surface Hardness	3.2mm Toughened Glass with 7H Mohs Standard		
Glass	Anti-glare + Anti Finger print		
Power			
Power Supply	100-240V, 50/60Hz		
Standby Power	≤ 0.5W		
Power Cosumption	415W	530W	570W
Dimensions			
Display Dimension (LxHxD)	1488x908x86mm	1709x1031x86mm	1957x1171x86mm
Package L*H*D	1628x1005x208mm	1863x1148x225mm	2110x1291x225mm
VESA Mount	✓	✓	✓
Net Weight	39 kg	52 kg	64 kg
Gross Weight	49 kg	61 kg	81 kg
Connectivity			
HDMI 2.0 In	4 (2.0*3, Front*1 & Rear*1)		
HDMI 2.0 Out	1 (v2.0, 4K@60Hz)		
VGA In	-		
Audio In	1		
Audio Out	1		
SPDIF Out	1		
Mic In	-		
DP In	1 (v1.2)		
USB 2.0	1 (FW upgrade)		
USB 3.0	4 (Front*2, Side*2)		
USB Touch Output	2		
RS232	1		
LAN (RJ45)	2 (Support 10/100/1000 Mbps)		
USB Type C In	Front*1 & Rear*1 (both support 3.1 gen 1, 5 Gbit/s data transmission, DisplayPort 1.2 Alt Mode, 100M LAN network sharing) & Front port supports 100W power delivery (Limited to 65W with OPS) & Rear port support 15W power delivery.		
USB Type C Out	Rear*1, DisplayPort 1.2, video out (4K@60Hz) & touch signal out.		
OPS Slot	Yes		
Touch System			
Touch Type	Ultra-fine Infrared (IR)		
System Compatibility	Windows 10 / Windows 11 / Linux Mac OS / Android / Chrome OS		
Response Time	≤ 2.5 ms		
Touch Point	Up to 50 points touch (32 points touch in Android, 50 points touch in Windows, 10 points writing)		
Accuracy	<1mm (over 90% Area)		
Air Gap	Gen 2 Zero Bonding (0 ~ 0.6mm)		
Writing Tools	Fingers, Passive Infrared Pen		
Palm Rejection	Yes, support to coexist with Palm Eraser		
Embedded System			
System Version	Android 13.0 with Google EDLA Certified		
CPU	RK3588 (Quad Core A76 + Quad Core A55)		
GPU	ARM Quad-core Mali-G610 MC4		
RAM	8 GB		
ROM	64 GB		
WiFi / Bluetooth	Based On Optional Accessory		


Specifications (Continued)			
Size	65"	75"	86"
Model	5653RK	5753RK	5863RK
Accessories			
Cables	AC Power Cable, USB Cable, HDMI Cable		
Writing Pen	2		
Pen Holder	√ (Occupies one USB port)		
Remote Control	√		
User Manual	√ (Quick Start Guide)		
WiFi Module	Optional (SI07B, 2.4G/5G WiFi 6 & BT 5.0)		
Wall Mount	Optional (OWMFP05)		
Trolley	Optional (ST41B)		
Sensor Box	Optional (WL10C), support NFC card for account login & PIR tech & advanced ambient detection.		
Apps & Software			
Display Share	√ (4-split Mirroring, Live Camera, Laser pointer, Annotation, Remote View, Moderation, Group Display, Floating Window)		
Whiteboard	√ (V, support Google classroom integration (on-site view) & IFP-to-IFP-Web Collaboration		
OMS	√ (Optional, Support device management)		
Annotation	√ (Support to import image to Whiteboard)		
AirShare	√ (Interactive participation tool)		
File Manager	√ (with multiple cloud storage support)		
Google Classroom	√ (Integrated with Whiteboard)		
Auto Pen Detection	√ (Enable Whiteboard app while picking up pen)		
AI Handwriting Recognition	√ (Support Text, Formula recognition)		
Advanced Pen	√ (Pressure pen, Smart Sketch)		
Multi-task Mode	√ (Dual mode, 4-Windows mode, PIP mode)		
Triple Screen Mode	√ (Duplicate/Extension by HDMI/Type C up to extra 2 screens)		
Marketplace	√ (Google PlayStore)		
OAM	√ (Optoma Account Management integrates with your account info after login via QR code or NFC card)		



Crisp visuals with 4K UHD resolution, anti-glare glass, ambient light sensor and cTUVus Eye Comfort Certification for Low Blue Light and Flicker Free



Seamless interactivity with up to 50-point multi-touch capabilities, anti-fingerprint coating and incredible response time



Embedded Android™ system with cutting-edge ARM CPU and Mali GPU



The included pens, ultra-fine touch IR technology and a < 0.6 mm air gap with <1 mm accuracy ensures a natural drawing and annotation feel. Pick up the pen from the holder to instantly trigger Optoma Whiteboard app for a quick and seamless experience that mimics a real whiteboard.

Optional Accessories

Wall Mount with VESA Standard: OWMFP05
Mobile Cart: ST41B
USB WiFi Module: SI07B
NFC Sensor Box: WL10C

