

MAXHUB



MAXHUB F5 SERIES

**Built for the Future of Education.
Powered by Windows. Enhanced by AI.**

A Windows-native interactive display that combines AI-powered teaching tools, immersive classroom experiences, and intelligent classroom insights—helping teachers teach naturally, students learn actively, and schools continuously improve learning outcomes.



Windows 11 Pro



AI-Powered Teaching



Classroom Recording

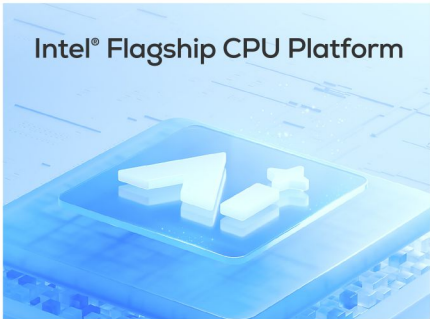


Eye Care Technology

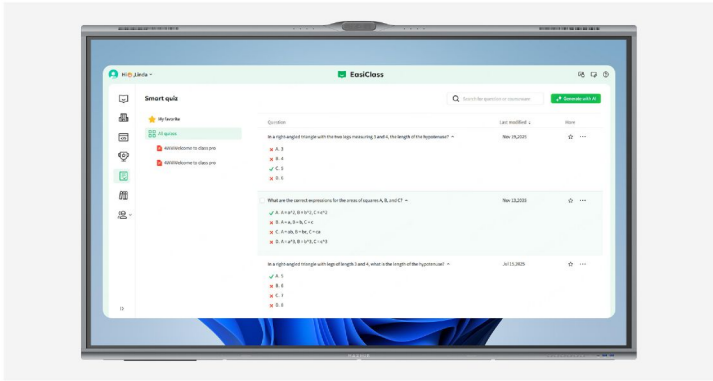
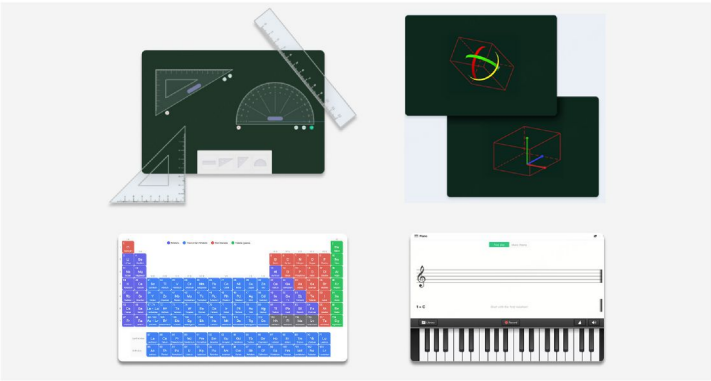
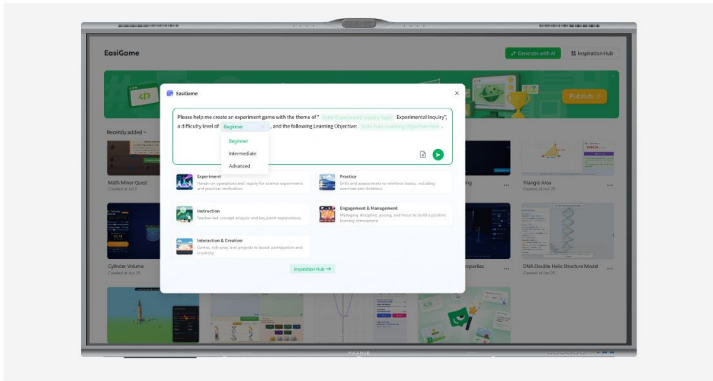
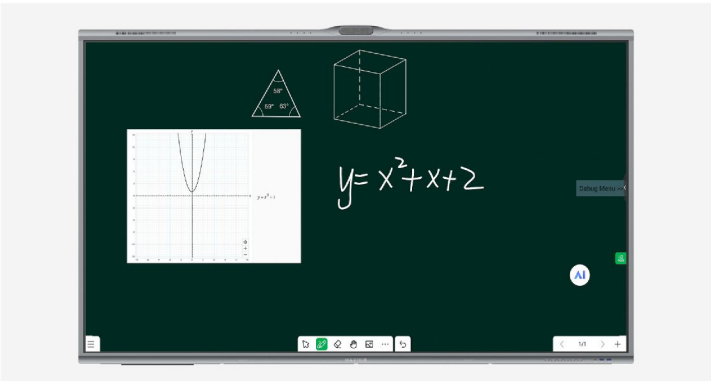


High-performance Intel®
Processor

Teach Naturally.
Familiar tools. Smarter teaching.



Teaching, Enhanced by AI - **EasiClass**



Made for Long Lessons. Clear for Students.

In real classrooms, students view the screen from different angles and distances. MAXHUB F5 Series combines wide-angle optical and eye-care technologies to help improve viewing comfort.

Wide-Angle Optical Film Technology

Improves side viewing brightness up to 3× for clear visibility from all angles.¹



Anti-Glare Glass

Minimizes reflections for better visibility in bright classrooms.

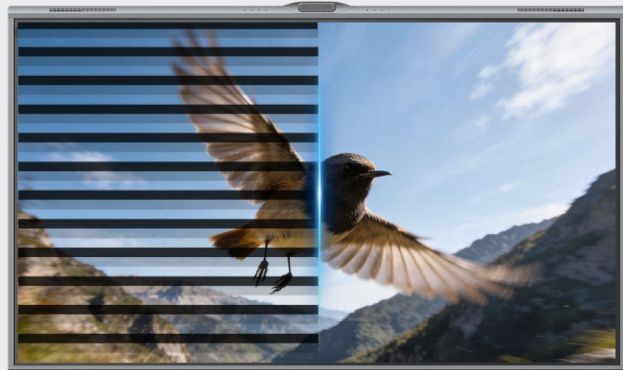


Flicker Free

www.tuv.com
ID 0217008882

DC Dimming Technology

Provides stable brightness to help reduce eye strain during long viewing.

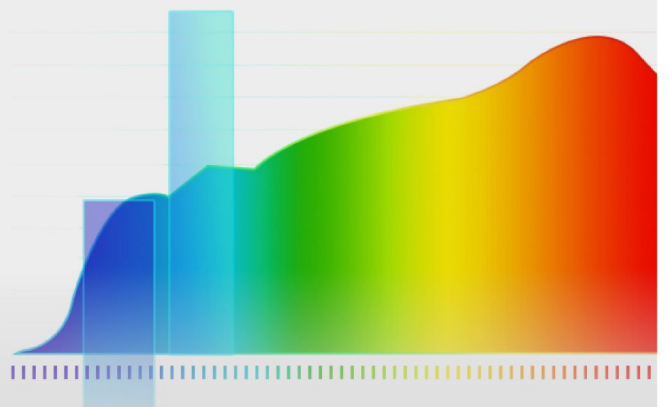


Low Blue Light
(Hardware Solution)

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Low Blue Light

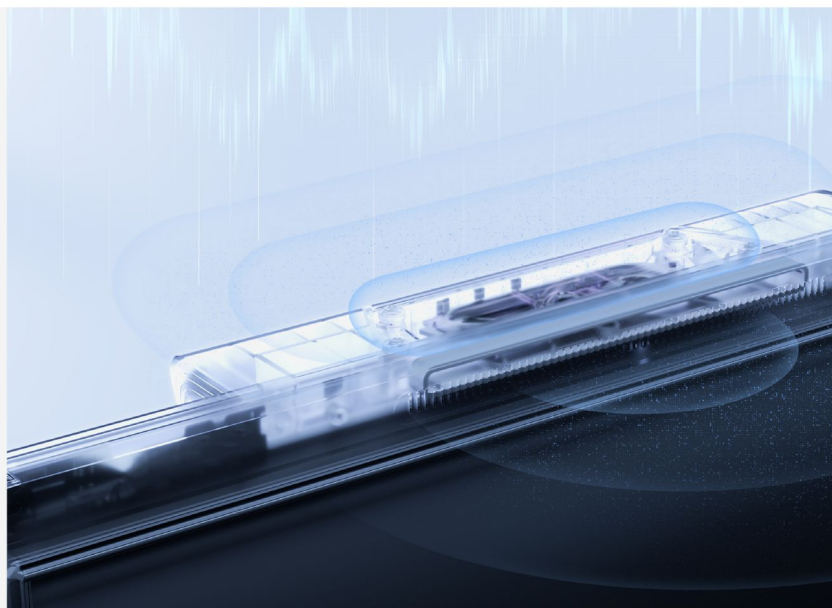
Reduces blue light emissions to help support visual comfort during extended viewing.



Clear Sound in Every Corner of the Classroom.

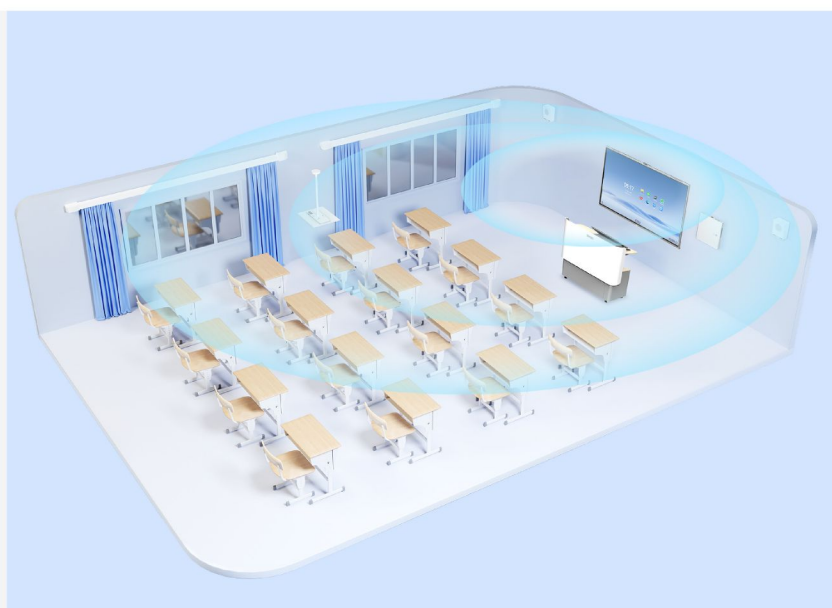
AI Voice Enhancement with 2.2-Channel Audio

AI-based voice enhancement improves speech clarity in real time, while the 74W 2.2-channel speaker system delivers rich, balanced sound with enhanced vocal presence.



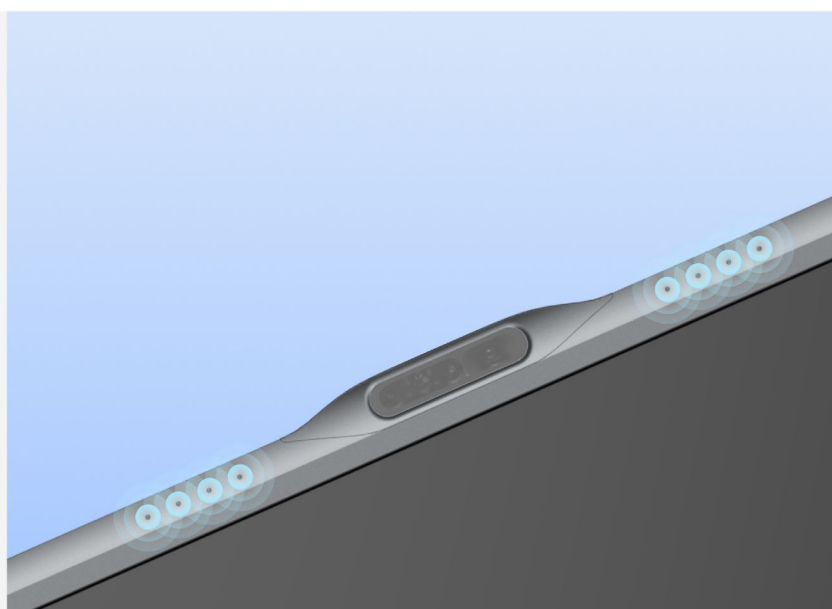
Skywave Sound System for Extended Sound Reach

MAXHUB F5 Series features the Skywave Sound System with a front-facing speaker design and 88dB Sound Pressure Level (SPL), delivering clearer sound projection and up to 4x longer sound transmission distance² compared with traditional speaker designs.



8-Microphone Array for Remote Learning

MAXHUB F5 Series features an 8-microphone array with AI audio processing and up to 12m voice pickup³, enabling clearer communication for remote teaching and video conferencing.



See the Whole Classroom. Support Active Learning.

Powered by AI classroom perception and a multi-focal camera system, MAXHUB F5 Series gives teachers a clearer view of classroom activities, making lessons more engaging and teaching more responsive.

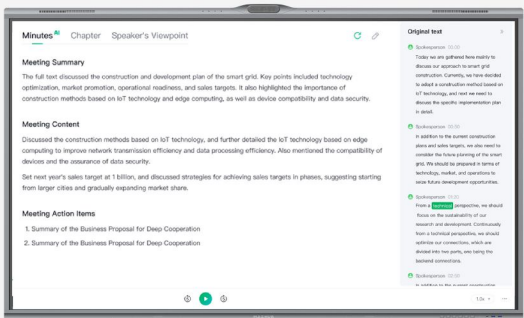
Multi-Focal Imaging with 5× Zoom

Capture clearer classroom views from front to back with a multi-camera, multi-focal imaging system and 5× optical zoom.



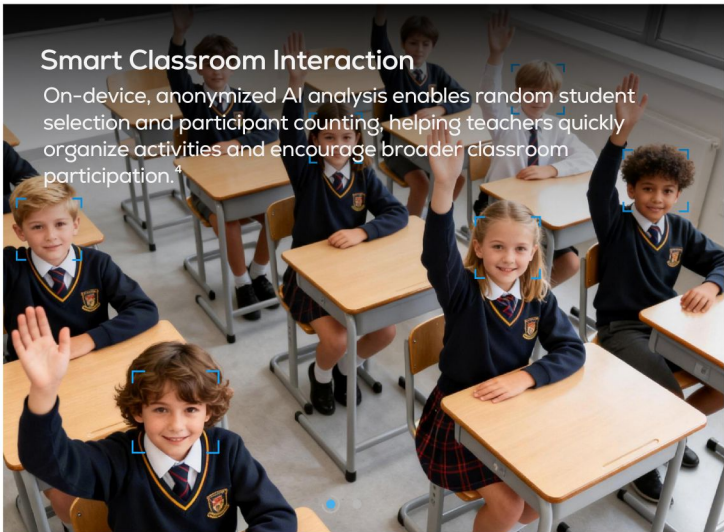
Record with InsightClass Lite

Paired with the built-in microphone array, InsightClass Lite records complete classroom sessions for easy review and continuous teaching improvement.



Smart Classroom Interaction

On-device, anonymized AI analysis enables random student selection and participant counting, helping teachers quickly organize activities and encourage broader classroom participation.¹



Instant Classroom Feedback

Interactive response features allow students to answer with gestures and participate in polls, while teachers quickly capture responses and understand classroom feedback.⁴



Built for Everyday Teaching.

Engineered for reliable classroom performance with enhanced durability, energy efficiency, and long-term support.

IP5X

IP5X Dust Protection



High-Transmittance Display



ENERGY STAR® Certified



3-Year Warranty

Footnotes

¹ Up to 3× for clear visibility from all angles ² Up to 4× longer sound transmission distance ³ Up to 12m voice pickup

Performance data is based on MAXHUB internal laboratory testing under controlled conditions. Actual performance may vary depending on product configuration, installation environment, room layout, acoustic conditions, ambient lighting, network conditions, and other usage factors. For ¹, the comparison is based on a conventional display without Wide-Angle Optical Film Technology. For ², the comparison is based on MAXHUB's conventional bottom-mounted speaker design.

⁴ Privacy Notice

Powered by on-device AI with zero cloud upload and no facial recognition. Raw images are deleted immediately after processing. All video streams and related data remain on the device and are not uploaded to the cloud.

Key Specifications

MAXHUB

Product Model	F7550	F8650
Display		
Diagonal Size (inch)	75	86
Aspect Ratio	16:9	16:9
Resolution	3840(H)×2160(V)	3840(H)×2160(V)
Panel Type	Wide Viewing Angle Panel	Wide Viewing Angle Panel
Panel Brightness	400 nits (typ.), 450 nits (max.)	400 nits (typ.), 450 nits (max.)
Side-Viewing Brightness	≥ 1/3 of center brightness (±60°)	≥ 1/3 of center brightness (±60°)
Contrast Ratio	5,500:1 (typ.), 50,000:1 (dynamic)	5,500:1 (typ.), 50,000:1 (dynamic)
Color Depth	1.07B (10bit)	1.07B (10bit)
Color Gamut (typ.)	98% sRGB	98% sRGB
Color Accuracy	ΔE≤1	ΔE≤1
Surface Technology	Anti-glare, 25% haze	Anti-glare, 25% haze
Eyes Care	TÜV Flicker Free, TÜV Low Blue Light	TÜV Flicker Free, TÜV Low Blue Light
Touch System		
Touch Technology	Infrared recognition	Infrared recognition
Touch Point	50 Points touch	50 Points touch
Accuracy	±1.5mm	±1.5mm
MAXHUB Think&Ink	Direct Annotation, Multi-level Object Recognition, Single Pen Dual Color	Direct Annotation, Multi-level Object Recognition, Single Pen Dual Color
Operating System (MT82S PC Module)		
System	Windows 11 Pro	Windows 11 Pro
CPU	13th Generation Intel® Core™ i5 Processor	13th Generation Intel® Core™ i5 Processor
GPU	Intel® UHD Graphics for 13th Gen Intel® Processor	Intel® UHD Graphics for 13th Gen Intel® Processor
RAM	8GB (Up to 32GB)	8GB (Up to 32GB)
ROM	256GB (Up to 1TB)	256GB (Up to 1TB)
Connectivity		
I/O Ports (Interactive Display)	HDMI IN × 2, USB 2.0 × 1, USB 3.0 × 2, Touch × 1 USB Type-C × 1, AUDIO OUT × 1, RS232 × 1	HDMI IN × 2, USB 2.0 × 1, USB 3.0 × 2, Touch × 1 USB Type-C × 1, AUDIO OUT × 1, RS232 × 1
I/O Ports (PC Module)	HDMI OUT × 1, USB 2.0 × 3, USB 3.0 × 3, MIC IN × 1, RJ45 × 1	HDMI OUT × 1, USB 2.0 × 3, USB 3.0 × 3, MIC IN × 1, RJ45 × 1
PC Module Slot	Module slot (40 Pins) × 1	Module slot (40 Pins) × 1
Wi-Fi Module Slot	Module slot × 1	Module slot × 1
Wi-Fi Module (SIO7B)	Wi-Fi 6 supported, 802.11ac/b/g/n/a/ax, 2.4GHz/5GHz	Wi-Fi 6 supported, 802.11ac/b/g/n/a/ax, 2.4GHz/5GHz
Bluetooth	5.2	5.2
Camera		
Quantity	× 5	× 5
Feature	Person counting, Random election, Gesture recognition	Person counting, Random election, Gesture recognitionv
Audio		
Audio System	SkyWave Sound System	SkyWave Sound System
Sound Channel	2.2	2.2
Speaker Power	2×8W+2×18W (output), 2×12W+2×25W (maximum)	2×8W+2×18W (output), 2×12W+2×25W (maximum)
Sound Pressure Level	88 dB (1m)	88 dB (1m)
Microphone		
Quantity	8-mic array	8-mic array
Pick-up Angle	180°	180°
Pick-up Range	0~12m	0~12m
Feature	AI spatial sound, AEC (Auto echo cancellation) ANC (AI noise cancellation), AGC (Auto gain control)	AI spatial sound, AEC (Auto echo cancellation) ANC (AI noise cancellation), AGC (Auto gain control)
Power		
Power Supply	AC 100~240V 50/60Hz	AC 100~240V 50/60Hz
Power Consumption (standby)	≤0.5W	≤0.5W
Power Saving	Energy Star Certification	Energy Star Certification