

HERMAN

Interactive AI Smart Board

Innovation BeyondSmart

Experience the Power of Intelligence
in Teaching & Learning



Educational Series

www.horionnepal.com



Introduction

HERMAN is a global pioneer in **AI-powered devices and applications**. Established as an R&D outfit in Rinteln, Germany during 2009-10, our award-winning solutions today reach over 15million user across 80+ countries.

With a proven legacy of implementing digital board technology in more than 300,000 classrooms across India, we proudly hold the **industry's highest market share in the board sales** historically in the country.

As Education transitions toward a future-ready paradigm, we Deliver AI-driven solutions that seamlessly integrated traditional teaching with modern learning environments. Beyond education, our portfolio extends to enterprise and consumer segments. **Our vision is to revolutionize the way people work, learn and live by harnessing the power of intelligence.**



HERMAN EP-S1 Series

An advanced AI board designed to transform the teaching experience.



Powered by a
High-Performance
Octa-core Processor.



Patented Optical Touch
Technology for Superior
Real-time Writing
Experience.



Infinite Canvas: Add
Unlimited content to
Support dynamic Teaching
Sessions.



Edge AI Capabilities:
Works seamlessly without an
Internet connection



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HERMAN EP-S1

System Technical Specifications comes with AI Integrations

Brand		HERMAN
Category		Specification
Display Size		75 Inch (Diagonal)
Display Type		Ultra HD IPS LCD A+
Colors & Contrast Ratio		1.07 billion colors. Dynamic Contrast 100000:1, 1300:1(type)
LED Viewing Angle		HDR Display Horizontal 179°, Vertical 179° or better
Resolution		3840 x 2160
Panel Type		LED IPS Panel
Refresh Rate		60Hz
Aspect Ratio		16:9
Contrast Ratio		5000:1
Brightness		450 Nits
LED Lifespan		≥50,000 hours
Gap Between Glass & Screen		Zero Gap Air Bonding
Eye Care Filter		Removes blue light emission from display to create a safe Environment for teacher and students.
Technology		Advance Edge Optical Toch
Touch Response Time		≤2ms
Touch Technology		Optical Touch (±3mm or better) with IR
Multi-Touch Gestures		Palm rejection, eraser gesture, seamless writing/erasing
Touch Resolution		32767 x 32767 or better
Touch Points		40 simultaneous Touch points (windows) 20 points (Android)
Toughened Glass		3mm thickness, Mohs 9H hardness, anti-glare, anti-scratch
Gesture Detection		Palm Detection as eraser, intelligently rejects input of accidental from palm of other objects while writing along multitouch zoom pan detection.
OS		Android 14.0
Chipset	CPU	Octa (8) core ARM Processor, 8 x A55 CPU
	GPU	Mali G52 MP2 (4 cores)
Memory & Storage	Memory	8GB DDR4
	Storage	128GB (expandable) & Unlimited Cloud Storage
Camera		48 / 13MP wide angle camera
Microphone		Built-in 8-array Microphone, 8m pickup range
NFC		Yes (Card reader Screen lock & unlock)
Wireless		Bluetooth 5.2: Yes 802.11 a/b/g/n Dual Band 2.4G and 5GHz: Yes Hotspot Support: Yes
Stereo Speakers		Front Facing, Hi-Fi, Stereo Sound output with 20W x 2 with 8Ω impedance, built-in subwoofer & Surround, Bass reflex with dual passive radiators.
I/O Ports	Front	USB 3.0 x1 (Shared), USB 2.0 x 1 (Android), USB Type C x 1, Touch USB x 1, HDMI x 1
	Back & Bottom	HDMI IN x 2, VGA IN x 1, VGA Audio x 1, Touch USB x 1, USB 3.0 x 1, USB 2.0 x 1, MicroSD Card x 1, OPS x 1 & Bottom: LAN x 1, SPDIF x 1, RS232 x 1

Power Consumption	Voltage	Voltage: 100 V ~ 240 V/AC, 50/60 Hz
	Power	75" ≤300W
	Stand By	Stand-by: <0.5 W
Dimensions & Weight	Dimensions	75": 1730*98*1250mm
	Weight	75": N.W (51KG), G.W (60KG)
Temperature		Working Temp: 0°C ~ 40°C , Storage Temp: Minus 10°C ~ 60°C,
Accessories In the Box		Antenna x 2, Remote, Power Cable, USB touch Cable, HDMI Cable (1.5M), User Manual, Wall Mount Set
Warranty		3 years onsite support
Installation & Training		Installation by bidder, 1 training by bidder
Whiteboard Interactive Software Features		
Feature		Description
Ai Based content Creation Tool	• Life Time AI function subscription without additional payment.	
	• Default White board app can generate Power point (PPT Presanction) on given topic	
	• AI based Lesson Plan Generator as per Guidelines.	
	• AI based Document Summarizer: Summaries, any online video, document, and image.	
	• AI based Quiz generator.	
	• AI based Math/Chemical equation solver with step-by-step explanations.	
	• AI based Text-to-image generator.	
	• AI based "Circle to Search" (select image areas for concept search)	
Collaboration	• Live multi-student cursor tracking	
	• Remote Device management feature	
	• QR code invite for shared whiteboarding	
	• Multiple User login in whiteboard app with separate could storage per user.	
	• Hybrid class support (manage remote/in-class students)	
Content Tools	• Infinite canvas with palm-erase gestures	
	• Multi-media import (PDF, PPT, videos)	
	• 3D/VR science labs & simulations	
	• Full library (indexed by class/subject)	
Annotation	• Pen/shape tools (custom colors/thickness)	
	• Pixel/region eraser	
	• On-screen annotation over docs/videos	
	• Visualizer integration (annotate on live camera feed)	
Productivity	• Screen recording (FHD+)	
	• Split-screen multitasking	
	• Wireless file sharing (via QR/access code)	
	• Snip tool & document scanner	
UI/UX	• Consistent interface across Android/Windows	
	• Floating quick-access toolbar	
	• Customizable menus (side/floating)	

Android OS Features	
Productivity:	Split-screen, Play Store, 4K YouTube, one-click screenshots.
Controls:	Gestures (sleep/float menu), touch on/off button, USB sharing
Comfort and Prevent:	Blue light filter, sound equalizer
Product Certification, Authorization and Warranty Requirements.	
Authorized Certifications	OEM must provide authorized Certification.
Certificate	Bidder must provide, STQC (ERTL) CE, ISO/RoHS & FCC Copy of Certification.
Manufacturer's Authorized	Bidder must provide Manufacturer's Authorization Letter.
Warranty and Service Support	3 years warranty and Service Support Commitment Letter.

Build in 4K Camera and
8-array Mic



Bright AI Agent

A Complete AI Class Solution For AI-ready Learning Spaces

- AI Assessment Creation
- AI Content Creation
- AI Lesson Plan **IN 10 SEC**
- AI Whiteboard
- AI Quiz Generation
- AI Report Generation

