

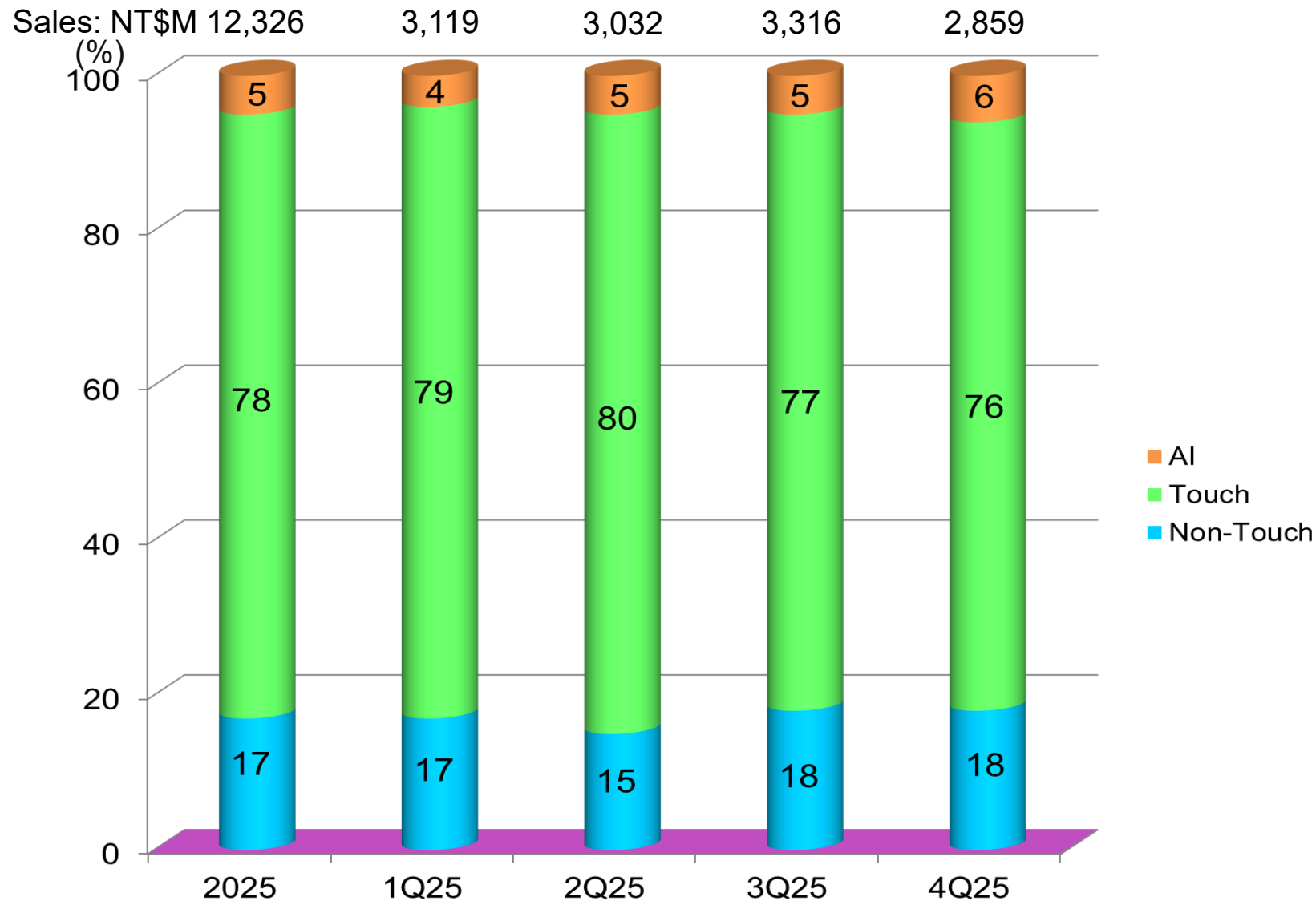


Empowering Dual Transformation with Edge AI



ELAN Microelectronics Corporation

Sales Breakdown by Product Line (Consolidated)



- AI : ADAS, ITS, Algorithm.....
- Touch : Touchpad, Touchscreen Controller, Biometrics
- Non-Touch : Pointing Stick, MCU& Others

4Q25 Income Statement

YoY Comparison (Consolidated)

NT\$M

	4Q25	%	4Q24	%	YoY(%)
Sales	2,859	100.0	3,036	100.0	(5.8)
Gross profit	1,410	49.3	1,507	49.6	(6.4)
Sales expense	86	3.0	88	2.9	
G&A expense	117	4.1	119	3.9	
R&D expense	546	19.1	578	19.0	
OPEX	749	26.2	785	25.8	(4.6)
Operating profit	661	23.1	722	23.8	(8.4)
Non-operating income & exp.	107	3.8	6	0.2	
Profit before tax	768	26.9	728	24.0	5.5
Net profit	712	24.9	555	18.3	
Belong					
Parent company	735	25.7	603	19.9	21.9
Non-Controlling Interests	(23)		(48)		
* EPS (NT\$)	2.57		2.10		22.4

* 304 million shares issued: 286.3/ 286.2 million shares outstanding as of the end of 2025 and 2024.

* Consolidated Statement of Financial Position (Reviewed).



4Q25 Income Statement

QoQ Comparison (Consolidated)

NT\$M

	4Q25	%	3Q25	%	QoQ(%)
Sales	2,859	100.0	3,316	100.0	(13.8)
Gross profit	1,410	49.3	1,566	47.2	(10.0)
Sales expense	86	3.0	93	2.8	
G&A expense	117	4.1	130	3.9	
R&D expense	546	19.1	551	16.6	
OPEX	749	26.2	774	23.3	(3.2)
Operating profit	661	23.1	792	23.9	(16.5)
Non-operating income & exp.	107	3.8	151	4.5	
Profit before tax	768	26.9	943	28.4	(18.6)
Net profit	712	24.9	770	23.2	
Belong					
Parent company	735	25.7	805	24.3	(8.7)
Non-Controlling Interests	(23)		(35)		
* EPS (NT\$)	2.57		2.81		(8.5)

* 304 million shares issued: 286.3 million shares outstanding as of the end of reporting period.

* Consolidated Statement of Financial Position (Reviewed).



2025 vs. 2024 Income Statement

YoY Comparison (Consolidated)

NT\$M

	2025	%	2024	%	YoY(%)
Sales	12,326	100.0	12,696	100.0	(2.9)
Gross profit	5,996	48.6	6,204	48.9	(3.4)
Sales expense	346	2.8	352	2.8	
G&A expense	474	3.9	501	4.0	
R&D expense	2,194	17.8	2,285	18.0	
OPEX	3,014	24.5	3,138	24.8	(4.0)
Operating profit	2,982	24.1	3,066	24.1	(2.7)
Non-operating income & exp.	(132)	(1.0)	207	1.7	
Profit before tax	2,850	23.1	3,273	25.8	(12.9)
Net profit	2,307	18.7	2,593	20.4	
Belong					
Parent company	2,442	19.8	2,736	21.6	(10.7)
Non-Controlling Interests	(135)		(143)		
* EPS (NT\$)	8.53		9.57		(10.9)

* 304 million shares issued: 286.3/ 286.2 million shares outstanding as of the end of 2025 and 2024.

* Consolidated Statement of Financial Position (Reviewed).



2026 Highlights

On Device AI

AI x ITS

AI x ADAS

AI x Drone

AI x Human Interface

Hapticpad

Fingerprint

Touchscreen





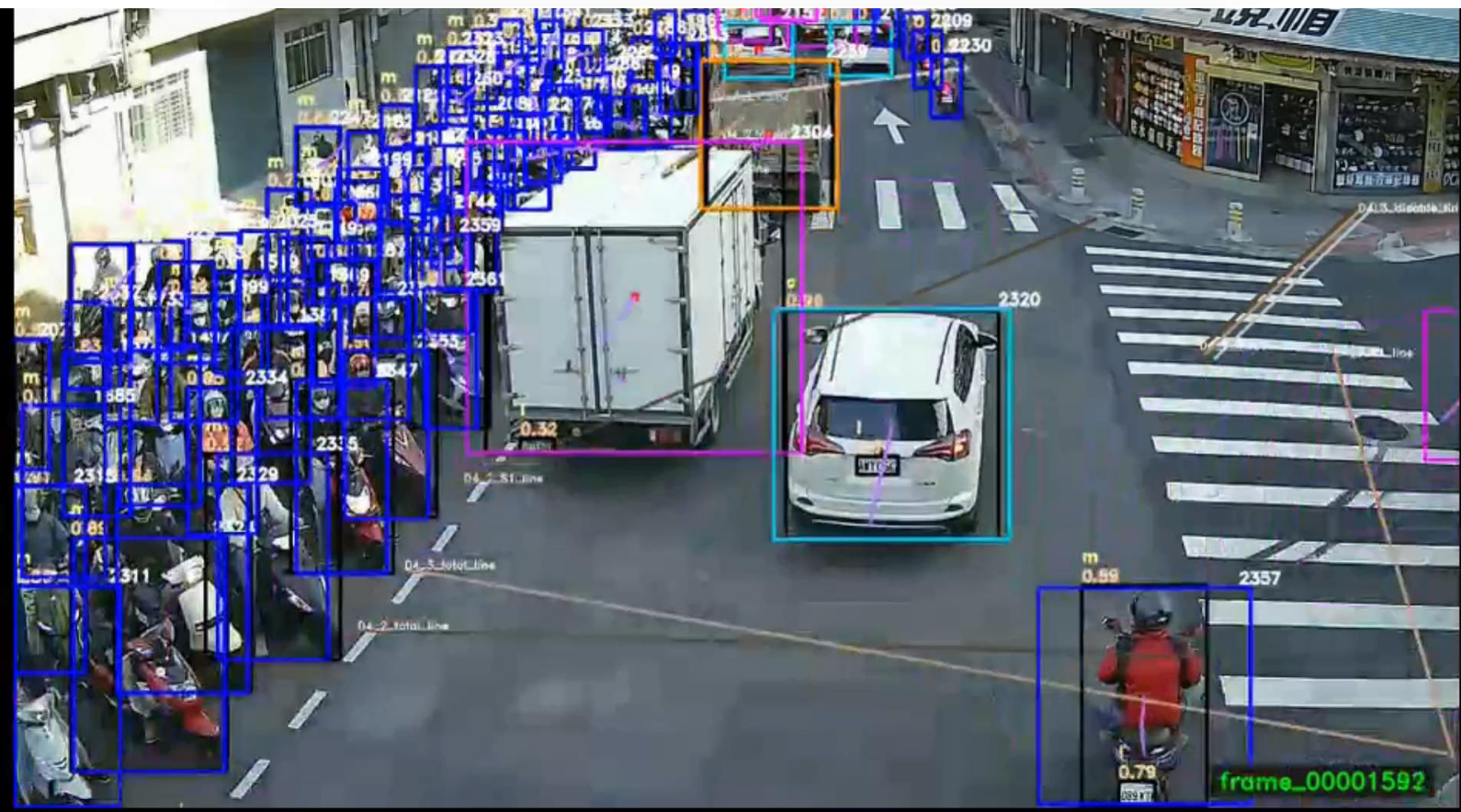
AI x ITS

- Real-Time Mixed Traffic Flow
- AI(RL) Traffic Signal Control
- Predictive Safety System for VRUs



AI CCTV for Real Time Traffic Signal Control

自研 Device AI 演算法 - 即時高精準混合車流偵測



Edge Vision AI Traffic Signal Control
邊緣端AI感知與動態號誌控制系統

AI CCTV Real-Time Smart Safety System for Vulnerable Road Users

Safety Alert System - Real-time AI detection alerts pedestrians to vehicles and drivers to pedestrians.

Pedestrian Approaching

Ground Light – Green light on

Illumination Light – On

Warning Sign – Off

Pedestrian Crossing+Vehicle Approaching

Ground Light – Yellow light on

Illumination Light – On

Warning Sign – On

No Pedestrian, only Vehicles

Ground Light – Red light on

Illumination Light – Off

Warning Sign – Off



Government's Vision:

2050 Zero Pedestrian Fatalities –
Ending the "Pedestrian Hell"



**Edge-based Pedestrian
AI Safety System**
邊緣端行人AI安全保護系統



Elan Wins Top Rating in World's First AI Monitor

日間晴天 日間雨天 夜間晴天 夜間雨天

頂尖 AI 偵測準確度

車輛偵測
F1 Score
0.9302

行人偵測
F1 Score
0.9238

轉向量偵測：95.29%
停等車輛數偵測96.68%

工業級環境耐受力



IP67
防水防塵等級

運作溫度：
-20°C 至 +60°C

嚴苛環境穩定運作

99.0 /100
綜合評分

在嚴格的測試標準下，獲得近乎滿分的卓越評價。



功耗

5.88W

實測功耗

10/10

能源效率高，低於 7W 標準，
獲得 10/10 滿分。

絕佳的系統效能與穩定性



✓ 即時偵測 (滿分)



✓ 功耗控制 (滿分)



✓ 穩定性 (滿分)



✓ 資料格式 (滿分)



偵測即時性

34.67ms

平均延遲

15/15

反應速度極快，獲得 15/15
滿分評價。

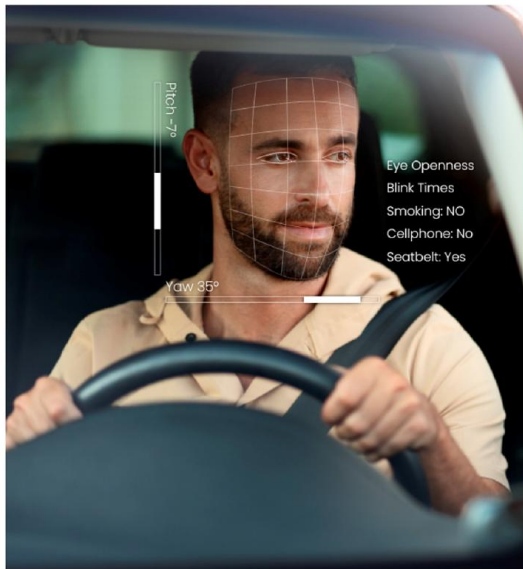


AI x ADAS

- ADAS L2 (LKA/LFS/ESF/ACC/AEB/BSIS)
- Mini-LED Local Dimming for E-mirror
- Smart Glass for Sunroof



ELAN ADAS – DMS Solutions



DMS

Our Function

 Eye Closing Frequency

 Yawn Detection

 Distraction Detection

 Smoking Detection

 Using Cellphone Detection

 Head Precision Detection

 Gaze Estimation

 Attitude Abnormal Detection

 Seat Belt Detection

Multi-tasks in Unify Model

Yaw **Red**: 轉頭 / Pitch **Green**: 抬頭低頭

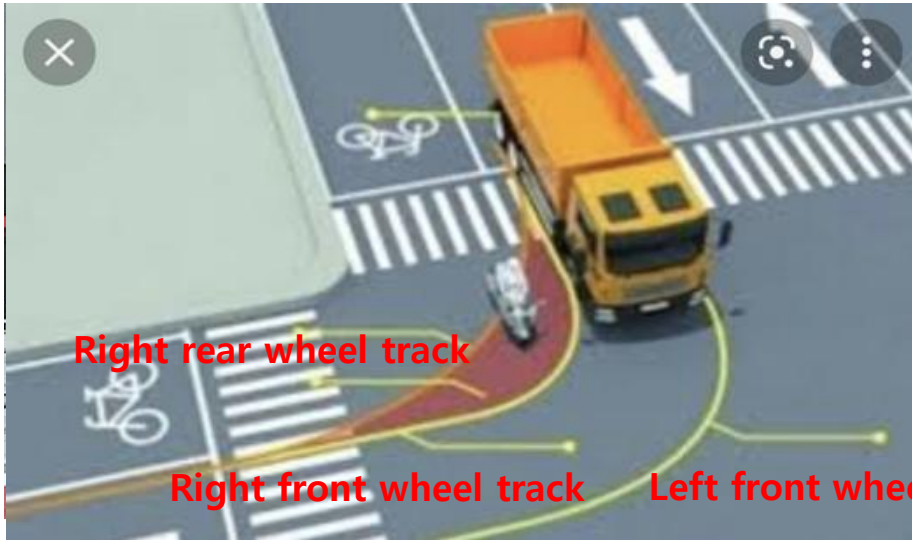


ELAN Bus Blind Spot Information System (BSIS)

Inner Wheel off-tracking



台灣精品
2022



Fisheye Camera
With AI
@ 1TOPS



Elan Wins Top Rating in World's First UN R151+ Evaluation



97.4分

實測分數

關鍵效能實測數據

AI 物件偵測準確度
F1 = 0.9373

高度精準辨識弱勢用路人，
確保主動安全基礎



系統功耗僅 **3.96W**

符合車規設計，不對車用
電力系統造成額外負擔

全方位評測框架



5大類、12項
專業測試

針對AI盲區警示系統進行
滴水不漏的全面性評估



超越國際標準的
UN R151+

強化對台灣常見場景(如近
乎靜止的行人/自行車/摩托
車)的偵測能力



挑戰台灣多樣化
道路環境

測試涵蓋日夜晴雨
四種驗測天候場景



夜間情境

正確發報率
96%

錯誤發報率
5%



雨天情境

正確發報率
94%

錯誤發報率
5%



正確發報率
100%

錯誤發報率
5%

AI-enabled ADAS Level 1/2+ for eBus & Logistics Vehicles



Enhanced Lane Assistance Navigator 3.0 電動巴士AI緊急轉向防護系統



Lane Following System (LFS)



Emergency Steering Function (ESF)



Electric Bus



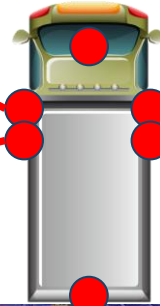
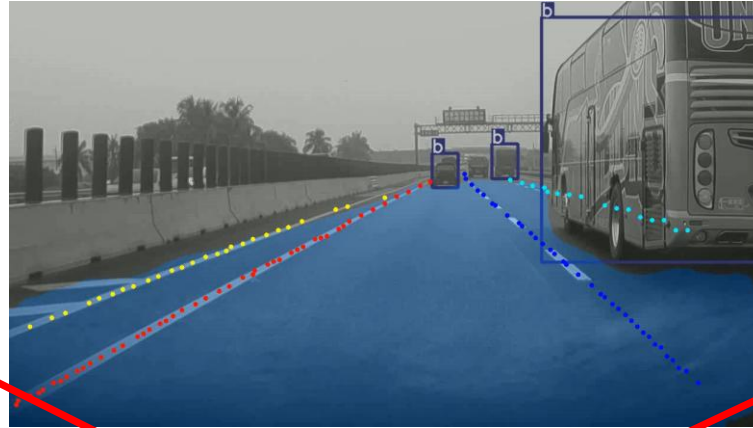
Agricultural Vehicle



Industrial Vehicle



ELAN ADAS Level 2+ Camera Perception

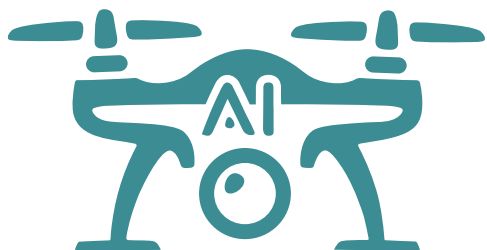




AI x Drone



- AI Target Tracking & 360°Obstacle Avoidance
- Mini-LED Local Dimming for Console Panel
- ISP for Gimbal Camera



Edge AI Vision Recognition for Autonomous Drones

中研院 × 義隆電子聯手研發



YOLO v4 v7 v9 AI-Generated Augmented Training Data



- Simulates Weather
- Simulates Military Scenarios
- Smarter Model Training

Target Detection & Tracking



- Accurate Target Lock
- Higher Mission Efficiency

360° Obstacle Avoidance



- Intelligent Navigation
- Autonomous Route Planning

Comparison of Skydio X10 & ELAN in UAV Solutions

Skydio X10

NVIDIA Jetson Orin (275 TOPS)
Obstacle Avoidance

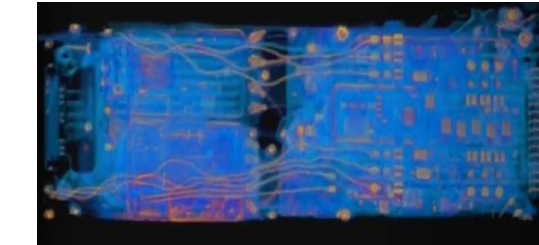


6 Cameras

Qualcomm QRB5165 (15 TOPS)
Gimbal

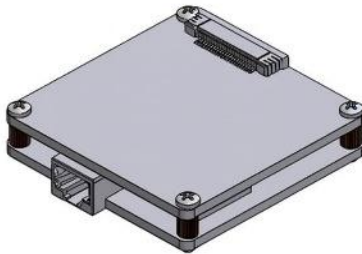


3 Cameras



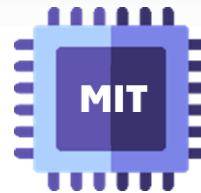
PCB Size –
3505 x 1651 x 1194 mm

Obstacle Avoidance (8 TOPS)

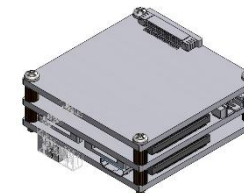


PCB Size - 60 x 57 x 2 Pcs

ELAN Solution



Gimbal (2 TOPS)



PCB Size - 38 x 38 x 3 Pcs

ELAN Drone Solutions: Key Advantages

Smaller. Lighter. Farther. Smarter.



Power Saving

省電節能



Compact Size

體積更小



Ultra-Lightweight

極致輕量



Lower Cost

成本更低



Extended Flight Range

飛得更遠

ELAN Mini LED Local Dimming & Smart Touch for Console

High Contrast and Power Efficiency for Drones in Outdoor Light

Mini-LED Local Dimming



>4000nits
High Brightness



>20000:1
High Contrast



>600
HDR



Power Saving
Extended Battery Life

ELAN AI × Touchscreen



Glove Touch
Cotton / Thick Glove ✓



Waterproof
Rain / Seawater / Outdoor ✓



Frozen Touch
Extreme Weather / Frost ✓



ELAN Mini-LED Local Dimming



Image Signal Processor (ISP) Solutions for Drone Cameras

Blade Series: BL01 CVBS camera



1. size 19x19
2. HFOV 110 deg, F1.0 great night vision
3. HDR>100 db
4. Weight : 10.2g
5. CVBS Out



Day - HDR Backlight Compensation



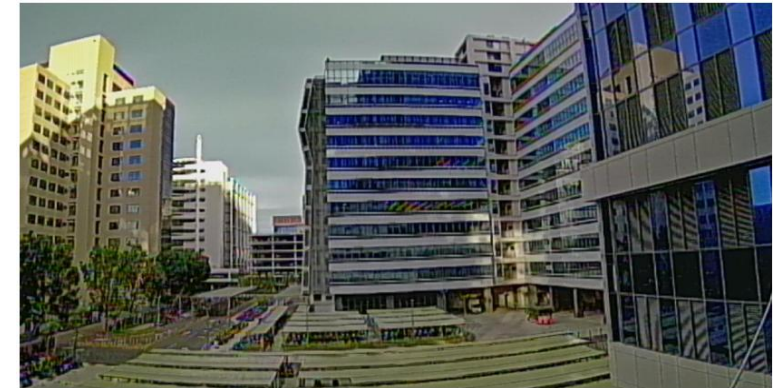
Night - Starlight Night Vision

Wide View Angle Correction & HDR(High Dynamic Range)

Competitor



ELAN Group (Avisonic)



ELAN Features

- [1] Wide horizontal field of view, 150 degrees
- [2] Lens distortion correction, low image deformation
- [3] Low noise in analog output image, minimal color rendering errors of objects in the frame
- [4] High recognition capability in dark areas
- [5] Full-color at night, low noise under low-light conditions



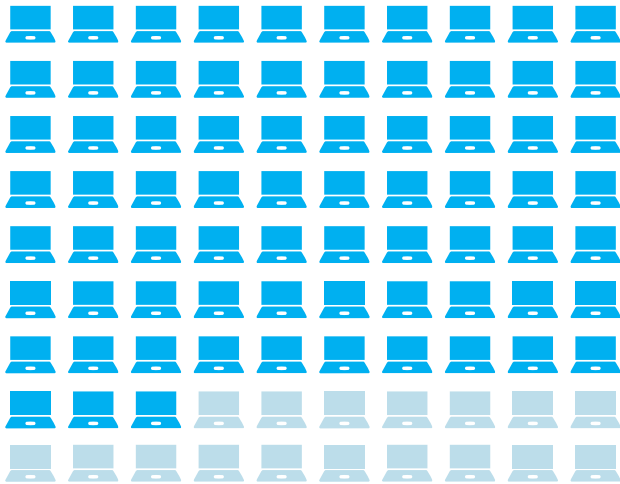
AI x Human Interface



ELAN Solution Penetration in CES Announced Model

Overall: 80% (66/83) – Any ELAN Solution

66/83



80%

Touchpad

61%

51/83

Touchscreen

56%

36/64

Fingerprint

57%

25/44

- Touchpad: Applicable Base = 83
- Touchscreen: Applicable Base = 64
- Fingerprint: Applicable Base = 44



ELAN Solution Penetration in CES Announced Model

ASUS, ROG, Acer, MSI, LG



Zenbook A14



ProArt PZ14



ProArt GoPro Edition PX13



ROG Zephyrus Duo (GX651)



ROG Zephyrus G14 (2026)



ROG Zephyrus G14 (2026)



Swift 14 AI



Swift 14 AI



Swift 16 AI



Swift Go 14 AI



Nitro V 16 AI



Aspire 14/16 AI



Raider 16 Max HX



Prestige 14 Flip



Prestige 16 Flip



LG gram Pro 16



LG gram Pro 17



ELAN Solution Penetration in CES Announced Model

HP, Dell, Lenovo



Powered by The Consumer Technology Association®



OmniBook Ultra 14



OmniBook Ultra Flip 14



OmniBook X 16 / 17



OmniBook X Flip 14 / 16



OmniBook 7 (16")



OmniBook 5 (14"/16")



OmniBook 5 Flip 14



OmniBook 3 (14"/16"/17.3")



Chromebook Plus x360



Chromebook x360



EliteBook X G2a



EliteBook X Flip G2i



EliteBook X G2q



HyperX OMEN MAX 16



HyperX OMEN 16



HyperX OMEN 15



EliteBook X G2i



XPS 16



XPS 14



XPS 13



Alienware Ultra-Slim



Alienware Entry-Level



Yoga 7a 2-in-1



Yoga Pro 9i



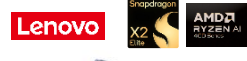
Yoga Pro 7i



Yoga Slim 7x/7a



IdeaPad Pro 5i



IdeaPad 5x/5a 2-in-1



IdeaPad Slim 5x



ThinkPad X1 Carbon Gen 14 Aura



ThinkBook 14 G9/G8+



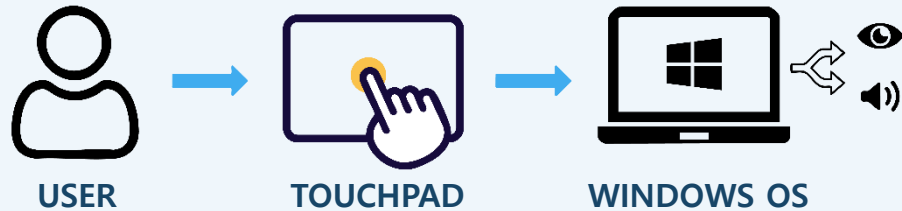
ThinkBook 16/16P G9



Feel the Windows: Haptic Plus

Evolution of Interaction: From One-Way to Two-Way

Current

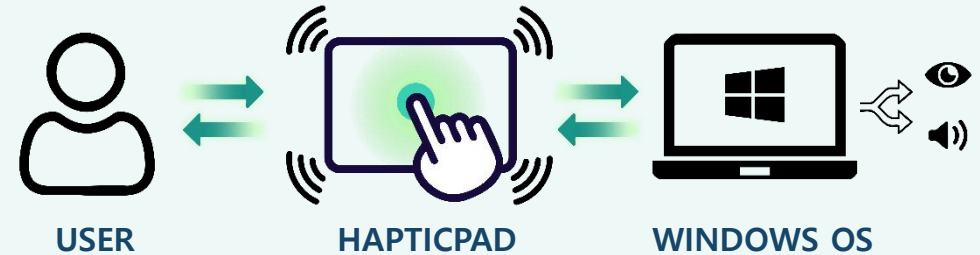


ONE WAY INPUT BRIDGE

One-way Communication Only.

TRANSFORMATION

Next

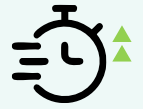


ACTIVE HAPTIC INTERFACE

OS Instructs Physical Feedback.



INTUITIVE



EFFICIENT

Good Assistant for AR Control

Your Fingerprint, Your Key to Everything



Versatile Use Cases

Business & Productivity

- Presentation Controller
- Navigate slides on **PC or Smartphones**

Entertainment & Gaming

- Gesture-Based Media Control
- AR/VR Interaction
- Biometric Login for Gaming

Mechanical Designs



OD Size: 1 cm²
Small Space For Organization



Customization Options & Material Stacking

Biometric Recognition


Stronger Security

Microsoft ESS Approval with
ELAN Fingerprint



+ ESS


Payment Support



Biometrics Security



Biometric component



Biometric performance
Biometric Sensor on card
(BSOC) / QM / CSI



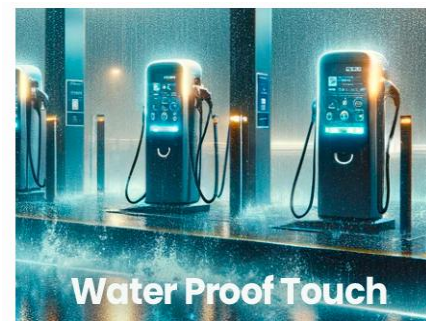
Visa innovation card

ELAN Outdoor Touch Solutions

New Solution for Raining Water Touch, Glove Touch and Salt-water Touch



AI Enabled Touchscreen Solution for IPC
AI賦能工控電腦觸控方案





Summary

I) On-Device AI Driving New Business Growth

1. Drones

- Proprietary AI algorithms enable high performance and long battery life with low power, low cost & compact design.
- Mini LED local dimming enhancing visual quality while improving power efficiency
- ISP for high quality image

2. ADAS

- ADAS Level 2 Solutions w/LKA/LFS/ESF/ACC/AEB/BSIS for safer mobility
- ELAN DMS Solution x Smart Cockpit promotes road safety

3. AI CCTV for ITS

- Real Time Traffic Signal Control
- Unsignalized Intersections, Red-Light Running, and Life/Safety Systems for Vulnerable Road Users

II) Extend Touch Applications – A Core Growth Engine

1. Haptic – Smart Touchpad

- Rising demand for human–machine interaction is driving strong adoption of haptic feedback
- HapticPad achieves multi-times ASP growth over the traditional clickpad

2. Smart Fingerprint Recognition - Wearable

- Navigation supports Copilot Key, AR glasses, and diverse new applications

3. Smart Touchscreen - IPC

- New Applications for Raining Water Touch, Glove Touch & Salt-water Touch in IPC, e.g. marine, medical, military...



Creating the Future with AI

Building Sustainability with ESG

ELAN MICROELECTRONICS

