

STEP SOLUTIONS

Technology that match you

Meet your perfect match, made just for you

Design & Manufacturing

|

Professional Engineering

|

Global Brand Distributor

|

Full Team Services

ENGINEERING IDEAS BUILDING SOLUTIONS

Since 2007, we've been a trusted partner for businesses worldwide—delivering **innovative, reliable, and end-to-end solutions** from design to manufacturing and support.



EXPERIENCED TEAM

Two decades of proven expertise in every project.



END-TO-END SOLUTIONS

From design and engineering to manufacturing and support.



TRUSTED PARTNER

Committed to quality, innovation, and your success.

OUR MISSION

To empower businesses with advanced technology and professional engineering solutions that drive growth and efficiency.



DESIGN & ENGINEERING

Smart and efficient design solutions.



MANUFACTURING EXCELLENCE

Precision manufacturing with quality assurance.



ADVANCED TECHNOLOGY

Leveraging cutting-edge technology and automation.



SMART SYSTEMS & INTEGRATION

Leveraging cutting-edge technology and automation.



AFTER-SALES SUPPORT

Reliable support for long-term success.



LOCATE : **BANGKOK**
AREA : **4 RAI** | BUILDING : **9**



OVER
20
YEARS
OF EXCELLENCE

Delivering best-in-class solutions across a wide range of industries.

Your success is our next step.



QUALITY DRIVEN

We deliver solutions with uncompromising quality.



INNOVATION FOCUSED

We innovate to solve complex challenges and create value.



PARTNERSHIP BUILT TO LAST

We build lasting relationships based on trust and results.

SPECIALIZED ENGINEERING & MANUFACTURING CENTER

Engineering Excellence. Precision Manufacturing. Complete Solutions.

We combine expert engineering and advanced manufacturing to deliver innovative, reliable, and high-quality solutions tailored to your needs.



EXPERT ENGINEERING

Senior engineers with proven experience in delivering complex and innovative solutions.



ANALYZE & SOLUTION

In-depth analysis and smart problem-solving to deliver the best solution for you.



PRECISION MANUFACTURING

Advanced machinery and skilled technicians ensure the highest quality at every production stage.



ISO 9001:2015
CERTIFIED



ISO 9001
CERTIFIED FACTORY

20+
YEARS
of experience

1,000+
PROJECTS
successfully delivered

50+
SKILLED
PROFESSIONALS

10,000+
SQ.M.
production area

ADVANCED MANUFACTURING CAPABILITIES



LASER CNC

High precision cutting with advanced laser technology.



HYDRAULIC BENDING

Accurate and strong forming for a wide range of metal fabrication.



LASER WELDING

High-strength welding with precision and clean finish.



INDUSTRIAL POWDER COATING

Durable and eco-friendly finishing for long-lasting protection.

FROM SMALL TO LARGE, WE BUILD IT ALL



EMBEDDED IOT BOX

Reliable enclosures for smart device and IOT applications.



PAYMENT KIOSK

Secure, user-friendly kiosks for modern payment solutions.



SMART POLE

Integrated solutions for smart city and infrastructure.



LARGE LED STRUCTURE

Engineering and fabrication of durable structures for large-scale LED displays.



CUSTOM ENGINEERING

Tailored design to meet your specific needs.



QUALITY ASSURANCE

Rigorous quality control at every step.



ON-TIME DELIVERY

Efficient processes to ensure on-time project delivery.



END-TO-END SERVICE

From concept to after-sales support.

**STEP
SOLUTIONS**

PROFESSIONAL SERVICE CENTER

One Stop Service | End-to-End Solutions

We are committed to delivering professional, reliable, and seamless services at every stage of your project — from the initial survey to long-term after-sales support.



20+

YEARS
of industry experience



1,000+

PROJECTS
successfully delivered



**CERTIFIED
PROFESSIONALS**
Skilled. Trained. Certified.



**TRUSTED
PARTNER**
Reliable support you
can count on.

1



SURVEY

On-site inspection and
requirement analysis to
ensure the best solution.

2



DESIGN & MANUFACTURING

Engineered for performance.
Built with precision in our
in-house facilities.

3



INSTALLATION

Safe and efficient installation
by experienced and
certified technicians.

4



ONSITE SERVICE

Proactive maintenance and
responsive support to
maximize system uptime.



ON-SITE SERVICE FLEET

Nationwide coverage with 20 dedicated
Onsite Service Units, ready to respond quickly
and support you wherever you are.



20 ONSITE SERVICE UNITS

Ready to respond,
wherever you are.



QUALITY
We deliver
with precision



RELIABILITY
We stand by our
commitment



RESPONSIVENESS
We're ready when
you need us



LONG-TERM SUPPORT
Your success is
our priority

**STEP
SOLUTIONS**

Professional Service.
Every Step of the Way.

Proven Track Record

Delivering smart display solutions that connect, communicate, and create impact.



20+

Years of industry experience



1,000+

Projects delivered



Trusted across public infrastructure, retail, hospitality, education and enterprise.



End-to-End Solutions

Consult, design, install, and support.



Reliable Performance

Technology you can depend on, 24/7.



Scalable & Flexible

Solutions that grow with your needs.



Innovative Technology

Cutting-edge displays and smart integration.



Sustainable Impact

Energy-efficient solutions for a better future



Trusted by Leaders

Partnered with 1,000+ organizations.



Site Reference



OUR PRODUCTS

Smart display solutions that connect, inform, and inspire.

From engaging visual experiences to intelligent monitoring and energy solutions, our products empower businesses to communicate effectively and operate smarter.



LED

High-impact LED displays for outdoor, indoor, and creative visual solutions.

• Brand Visibility • Engagement • Impact



Audio / AVoIP

Crystal-clear audio and seamless AV over IP systems for any environment.

• Clarity • Collaboration • Control



Kiosk / Self Service

Interactive kiosks that deliver convenience, improve efficiency, and enhance customer experience.

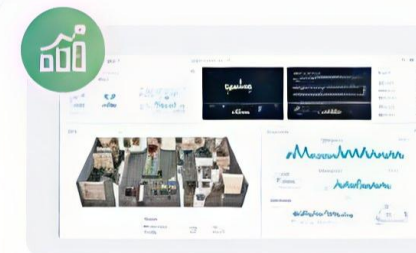
• Self-Service • Convenience • Efficiency



Security

Integrated security solutions to protect people, assets, and information.

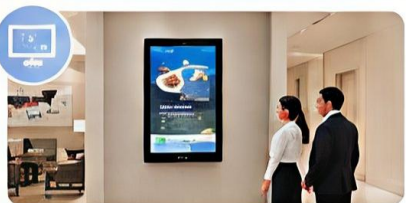
• Safety • Monitoring • Protection



IOT / Energy

Smart IoT and energy management solutions for real-time monitoring and optimization.

• Intelligence • Efficiency • Sustainability



Digital Signage

Dynamic digital signage that delivers the right message at the right time to the right audience.

• Engage • Inform • Influence



Command Center

Centralized control and real-time visualization for smarter decisions and faster response.

• Control • Visibility • Response



ODM / Manufacturing

End-to-end design, manufacturing, and customization to bring your vision to life.

• Quality • Customization • Reliability



Smart Pole

Smart poles that integrate lighting, connectivity, and digital services for smart cities.

• Connectivity • Smart City • Efficiency



Solar / EV

Sustainable solar and EV solutions to power a cleaner, greener tomorrow.

• Sustainable • Clean Energy • Future-Ready



RELIABLE & SECURE

Built for 24/7 performance and data security.



24/7 OPERATION

Always-on reliability you can count on.



HIGH BRIGHTNESS

Vivid visuals in any lighting condition.



EASY INTEGRATION

Seamless with your existing systems and platforms.



ENERGY EFFICIENT

Sustainable technology for a greener future.



THE RIGHT MESSAGE

IN THE RIGHT PLACE.
AT THE RIGHT TIME.

OUR PARTNERS

Over 50 Global Partners from all over the world

We collaborate with leading technology providers to deliver innovative, reliable, and end-to-end display solutions for every industry.



LED

Unilumin

LAMPRO



LEYARD



Colorlight

NOVA STAR
EXPERIENCE THE BEST

PREMTECO

Abgen



LCD

SAMSUNG

Horion

LG

AUO

KTC

BOE

KeeTouch

GreenTouch



AV / DS

SEADA
Showing the World



SC&T

FoxunHD

Qbic
Technology

itc



Solar

SKYWORTH



KIOSK

jiwipc

ASRock
Industrial

Giada

NODKA

ADVANTECH

SNBC

VIC
WinPOS

HID

MASUNG



AIC

EMSTONE

POLYWALL
ANY SOURCE ON ANY DISPLAY

NTECH
LAB

eocortex

NVIDIA

MAGEWELL



TENDZONE



STRONGER TOGETHER

Building lasting partnerships to create greater value.



TRUSTED QUALITY

Working with industry leaders to ensure the best outcomes.



INNOVATIVE SOLUTIONS

Combining expertise to deliver smarter, future-ready solutions.



GLOBAL REACH

Partnering globally to serve customers everywhere.



GROWING TOGETHER

Continuously evolving through collaboration and shared success.

APPLICATION

Display & digital signage solutions for every environment

We collaborate with leading technology providers to deliver innovative, reliable, and end-to-end display solutions for every industry.



ENGAGE

Capture attention and connect with your audience



INFORM

Deliver real-time information clearly and effectively



INTERACT

Create immersive and interactive experiences



PERFORM

Built for reliability, security, and 24/7 performance



PUBLIC SPACE



Lobby

Welcome visitors with stunning visuals that leave a lasting impression.



Auditorium / Theater

Crystal-clear presentations and visuals for maximum audience impact.



Command Center

Mission-critical monitoring with real-time data for confident decisions.



Queue Kiosk

Streamline queue management and reduce wait times.



Solar Cell Information Display

Real-time performance monitoring and sustainability communication.



RETAIL & COMMERCIAL



Outdoor Billboard

High-impact advertising and brand messaging that stands out.



Digital Signage

Engage customers with dynamic content that drives awareness and sales.



Interactive Directory

Help visitors navigate easily and discover more within your space.



Ordering Kiosk

Self-service ordering for a faster, smarter customer experience.



Drive Thru

Enhance drive-thru experience with bright, easy-to-read displays.



Store Display

Showcase promotions and products to boost engagement and sales.



CORPORATE & EDUCATION



Meeting Room

Power productive meetings with clear, wireless collaboration.



Board Room

Make smarter decisions with data visualization that inspires action.



Education

Interactive learning that engages students and improves outcomes.



Immersive Room

Create unforgettable brand or learning experiences in any environment.

ENDLESS POSSIBILITIES

From public spaces to retail, corporate, and education—our solutions adapt to your needs and elevate every experience.



RELIABLE & SECURE

Built for 24/7 performance and data security.



24/7 OPERATION

Always-on reliability you can count on.



HIGH BRIGHTNESS

Vivid visuals in any lighting condition.



EASY INTEGRATION

Seamless with your existing systems and platforms.



ENERGY EFFICIENT

Sustainable technology for a greener future.



THE RIGHT MESSAGE IN THE RIGHT PLACE. AT THE RIGHT TIME.

PRODUCT-MARKET FIT MATRIX

Find the right display solution for every industry segment



INDUSTRY SEGMENTS		Air	Bus	Mall	Event	Gov	DOOH	Hotel	Hosp	Edu	Fact	Stad	BFSI	Retail	Office	Cult	Park	Expo	Faith	City
	LED Bright. Vibrant. Impactful.	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Digital Signage Inform. Engage. Influence.	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Audio / AVoIP Clear sound. Smart control.	✓	✓	✓	✓	—	✓	✓	✓	—	✓	✓	—	✓	✓	✓	✓	✓	✓	—
	Command Center Visualize. Monitor. Control.	✓	✓	—	—	✓	—	✓	—	✓	✓	✓	—	—	✓	—	—	✓	—	✓
	Smart Pole Connect. Illuminate. Interact.	✓	✓	—	—	✓	✓	—	—	—	✓	—	—	—	—	—	—	—	—	✓
	Kios Interactive. Self-service. Smart.	✓	✓	✓	—	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	—	—
	ODM Tailored. Flexible. Reliable.	✓	✓	✓	✓	—	✓	✓	✓	✓	✓	✓	✓	—	✓	—	✓	✓	✓	✓
	Solar / EV Sustainable. Powerful. Efficient.	✓	✓	—	✓	✓	✓	—	✓	✓	✓	✓	✓	—	✓	—	✓	✓	✓	✓
	IoT / Energy Connect. Optimize. Save.	✓	✓	✓	—	✓	✓	—	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Security Protect. Detect. Respond.	✓	✓	✓	—	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓



Your Vision. Our Solution.

Matching the right technology to every environment.

LEGEND: ✓ Best Fit

— Not Applicable

STEP
SOLUTIONS

Enterprise Display Solutions

PRODUCT

LED DISPLAY

LED Display หรือจอแสดงผล LED คือเทคโนโลยีการแสดงผลภาพ ความสว่างสูง ความคมชัดเหนือชั้น รองรับการใช้งานทั้งภายในและภายนอกอาคาร เหมาะสำหรับป้ายโฆษณาดิจิทัล (Digital Billboard), จอวิดีโอวอลล์ในห้องควบคุม (Control Room), ศูนย์บัญชาการ (Command Center), เวทีคอนเสิร์ต, สนามกีฬา และพื้นที่เชิงพาณิชย์ จุดเด่นคือสีสดใส มุมมองกว้าง อายุการใช้งานยาวนาน และสามารถปรับขนาดได้ไร้ขีดจำกัดด้วยการต่อโมดูลเข้าด้วยกัน บริหารจัดการเนื้อหาแบบเรียลไทม์ผ่านซอฟต์แวร์ส่วนกลาง รองรับ การแสดงผลหลายแหล่งข้อมูลพร้อมกัน ทั้งวิดีโอ ภาพ ดาตาบอร์ด และสตรีมจากกล้องหรือคอมพิวเตอร์



THE LARGEST

LED display manufacturing base in the world

AUTOMATIC PRODUCTION



 **400,000 m²**
The largest LED display manufacturing base in the world

 **1,100,000+**
m² /year Production Capacity

 **10+ Billion**
Annual value of production (RMB)

 **1,200,000 m²**
Annual shipments

 **1,100+**
R&D Employees Globally

 **3,000+**
Patents nearly



Stable production capacity

Reliable product quality

More comprehensive product selection

Price advantage

Why Choose Unilumin



- Leading in LED display industry exports for **10** consecutive years
- Rapid growth (CAGR **24%**) for 12 years



- Pioneer in the LED industry for **20+** years
- Public listed brand in XSHE stock
- Ranks among **Top 500** most valuable brands in Asia



Unilumin is the first enterprise in the LED display industry to achieve **TÜV SÜD** low carbon certification



- Grand slam winner of International design awards
- Full range of products, including display & lighting, multiple production lines and product combinations



- Patents: **3,000+**
- Technological upgrade: P0.4 in mass production, **COB/MIP** cutting-edge package, **EBL+** patent tech



Unilumin Exclusive Value

- Full range of industry verticals
- Integrated solution capabilities, with full customisation service

LED



- **The world's largest** LED display smart manufacturing base of **400,000** sqm
- **1,200,000** sqm of LED display annual shipments
- **1,300,000** pcs of LED lighting annual shipments



- Active countries **160+**
- Serving **10,000+** customers
- Multi-channel model



- **20+** Subsidiaries & offices
- **5,000+** employees
- Complete **UCE** training certification

LEADING THE INDUSTRY

Unilumin self-developed "Uni-BLC" technology boosts AI image quality



AI Image Chip + AI Image Algorithm



UniMEMC Motion Compensation, milliseconds-level frame insertion for smoother high-speed dynamic images



UniSR Super Resolution, enabling 4K display from low-resolution video sources



Support intelligent conversion across multiple color gamuts including BT.709, DCI-P3, and BT.2020



Unilumin's unique value: " UniAIoT Platform ", enabling intelligent management and control

Integration of sound, light, vision, and equipment

Accurately implement global integrated control of LED display, audio and video processing, video surveillance, and strong & weak current equipment

Solutions for large and medium scenarios



Scenic Spot



Road Lighting



Broadcast



Traffic



Sports Complex



U-Sphere

Solutions for small scenarios



Digital Showroom



XR/VP



Retail

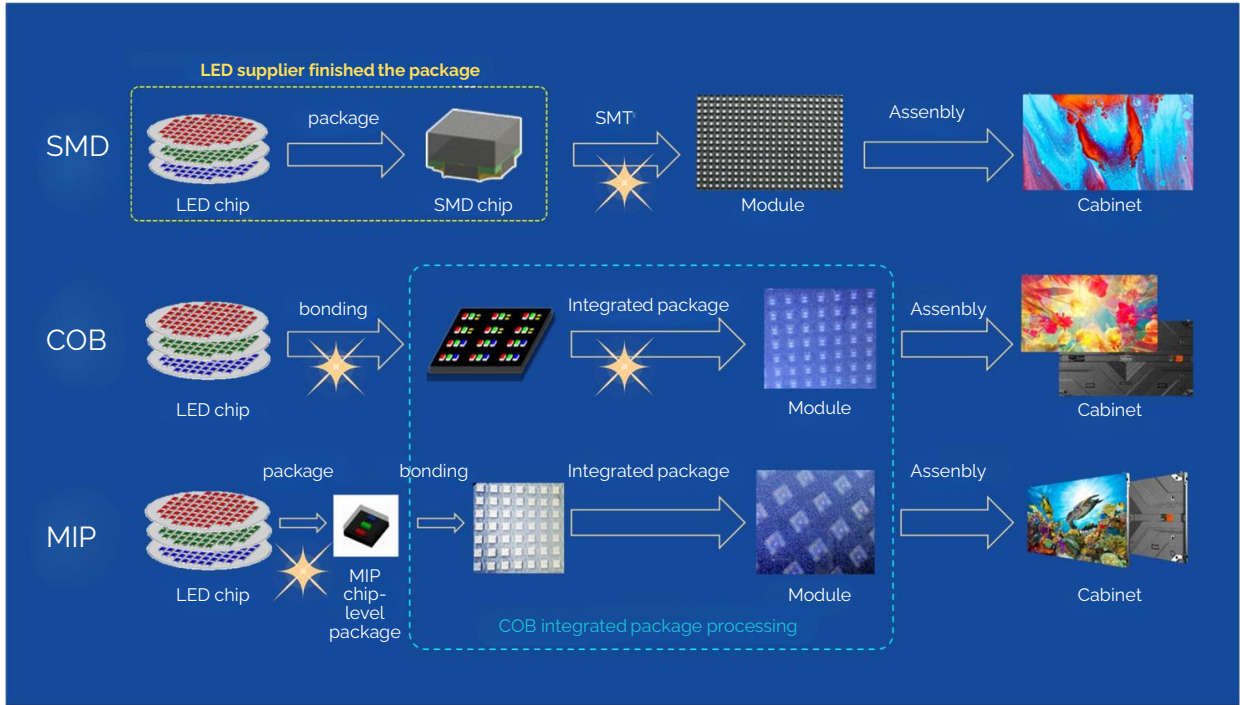


Digital Exhibition



Glasses-free 3D

Technology Comparison



Pitch	P0.4	P0.5	P0.6	P0.78	P0.84	P0.93	P1.25	P1.56	P1.87	P1.9	P2.0	P2.5	P2.6	P3	P4	>P4
Outdoor											SMD with GOB					
											MIP					
											COB					
Indoor											SMD with GOB					
											MIP					
	COB															

MIP/COB to Irresistibly Replace SMD

COB

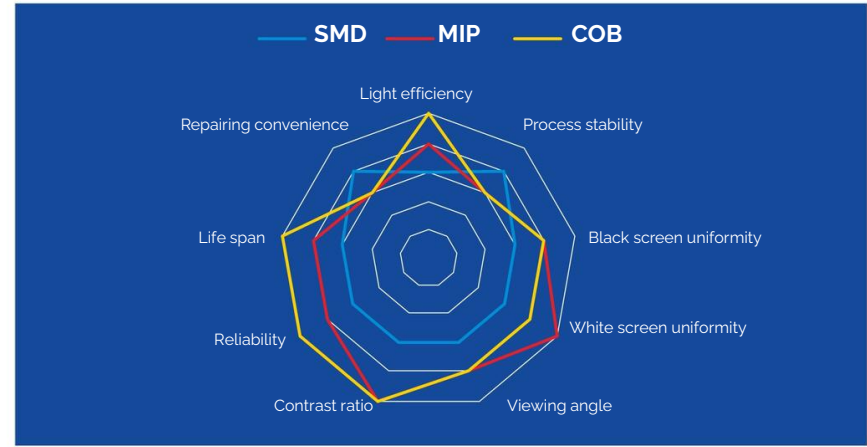
Super Strong Protection and High Stability

Future Trend:
Technical direction to improve process yield and color consistency

MIP

Significant Advantages on "Color Consistency" and "High Flatness"

Future Trend:
In line with the commercial development of Micro, it has the characteristics of fast product iteration and large cost reduction



Product Indoor LED Display

UCINE



- High definition, high refresh rate
- High brightness and color consistency
- Excellent contrast performance
- High grayscale
- Cinema LED system combined with video processor

Usport



- UsportX (P6.25/8.33/10/12.5)**
Outdoor LED Perimeter Display
- 6,000pts/brightness & 7,680Hz refresh rate
 - Double sided IP65 protection grade
 - Silicon soft mask + rubber protective pad + adjustable support frame, protect players and screen
 - Meet FIFA/UEFA international competition standard

Professional



- UMicro (P0.4/0.6/0.7)**
Remarkable to Every Second
- Cool screen+ Micro Chip "EDL+Tech"
 - Excellent visual performance
 - EBL+ Contrast Ratio up to 30:0001
 - Class B Certificate | TUV Low Blue Light Certificate



- UMiniIII (P0.9/1.1/1.2/1.5)**
Mini, the New Max
- Mini Chip | Cool screen
 - EBL+ Contrast up to 20000:1 | 2000pts
 - Class B Certificate | TUV Low Blue Light Certificate



- UMini W (P0.7/0.9/1.2/1.5/1.8)**
Brand New Mini Product
- Mini Chip | Cool screen
 - EBL+ Contrast up to 20000:1 | 2000pts
 - Class A Certificate | TUV Low Blue Light Certificate

UTV Series



- UTV SC (108", 135", 162"U)**
Unilumin COB All-in-one
- Full flip chip COB
 - Common cathode design
 - EBL+ Multi-layer optical processing technology



- UTV W (135", 162")**
Unilumin SMD All-in-one
- Hidden wiring design
 - Hidden out design for efficient heat dissipation
 - Two in one design for receiving cards and Hub cards



- UsportR (P6.67/8.33/10)**
Outdoor LED Ribbon Display
- Extremely stable with system redundancy
 - Ultra-high installation accuracy
 - Convenient installation & maintenance
 - Efficient heat dissipation



- UsportMA II (P3.9/4.8)**
Cytosineium Cube Display Solution
- Top-class Immersive Viewing Experience with Dynamic HDR
 - Ultra Clear Image with 96Hz Refresh Rate
 - Enjoy events with No Visual Dead Zones
 - Reliable with Ultra-High Stability
 - Convenient Installation and Maintenance



- Upanel II MIP (P0.9/1.2/1.5)**
Illuminate Your Vision with Unrivaled Clarity
- Clean visuals and vibrant color
 - Confliction connection between cabinets
 - Excellent visual performance
 - Module surface 3~7° protection



- ULV III Pro (P0.9/1.2/1.5/1.8/2.5)**
First Automatic Production NPP LED Display
- 1st Fully automatic production line, 7days fast delivery
 - Fully front and rear installation/maintenance, adapt more on-site installation requirements
 - High integration system, 2 in 1 HUB, more stable
 - Front installation/maintenance, adapt more on-site installation requirements
 - Creative design, right angles, Support up to 20° inner curves



- ULV III MIP Pro (P0.9/1.2/1.5)**
First Automatic Production NPP LED Display
- EBL+ patented technology, deeper contrast, displaying more details
 - Integrated and informal cableless Design: Stable Transmission
 - Energy saving common cathode & flip-chip LED (COF)
 - Excellent side view color consistency: Vivid Images
 - Surface light source better protection for eyes

Commercial – Indoor



- U-Natural (P0.6-2.5)**
Turn off the Display, Turn on the Art
- Provide diversified design of surface texture effects
 - Steady-mounting, up to 3H
 - Seamless mapping



- Ustlim S2 (P1.8/2.5/3.9)**
Indoor Ultra-thin Double-Side LED Display
- Double-sided display (Rebor Bob-Loosent), semi-outdoor 30000Hz
 - Common cathode, and energy saving
 - Intelligent operation and maintenance
 - Working status monitoring, stable and safe



- Ustlim II (P1.5/1.8/2.5/3.9/4.8)**
Eases all the operation with Standard Product, Visualize Rendered in Commercial Scenes
- Impressive viewing experience
 - Intelligent operation & maintenance control
 - Various creative shapes
 - User-friendly design



- Ustlim III (P1.5/1.9/2.5/3.9)**
Integrated & Creative Indoor LED Display, Unique Visions, Unleash Creativity
- Ideal for indoor and semi-outdoor use
 - 96Hz refresh rate for an impressive experience
 - Front & rear installation/maintenance
 - Integrated Design: Resilient and stable
 - Customizable: Selecting flexible and creative configurations
 - Durable: Resistant Surface: Ensures clarity and performance



- Udesign SV (P3.9/6.25)**
Creating a new era of indoor Commercial Display
- Up to 95% high transparency
 - Upgraded visual performance
 - Low maintenance cost with modular design, easy to take out single strip



- Ustlim III MIP (P1.5/1.9/2.5)**
Creative Indoor and Semi-outdoor LED Display
- Three standard sizes of cabinets for different creative shapes such as Round Corner Square, Wave concave and convex arc etc.
 - EBL+ Patented Technology: contrast ratio of 8000:1 displaying more details
 - Ultra Energy Saving Common Cathode & Flip-Chip LED (COF)
 - Surface light source: Better Protection for eyes



- Ustlim III GM (P5.7/6.67/8/10)**
Stay Cool and Shining
- Crossed heat dissipation efficiency by 20% through the die-casting aluminum back cover
 - High protection (IP65/IP66 and 5VIB Flame-retardant rate)
 - Energy saving circuit design: Lower operating cost and higher rate of return
 - Low luminance decay: Below 30% of luminance decay after 5 years
 - Convenient Front/Rear Installation/Maintenance



- F-M (P3.9-10.4)**
- Extreme light/transparent design - 199%/㎡, 95% of Transparency
 - High security - IP65, integrated modular design

Distribution



- Umate PN (P1.2/1.5/1.8)**
Fully Automatic & Highly Integrated Professional NPP
- Automated production, excellent precision, higher efficiency
 - No cable inside, receiving card and hub 2-in-1 design
 - XYZ axis six-way adjustment for better fitness
 - Support inner curve, right angle, flat cabinet
 - Support power supply and signal dual back-up



- Umate PN (P1.2/1.5/1.8)**
Fully Automatic & Highly Integrated Professional NPP
- Automated production, excellent precision, higher efficiency
 - No cable inside, receiving card and hub 2-in-1 design
 - XYZ axis six-way adjustment for better fitness
 - Support inner curve, right angle, flat cabinet
 - Support power supply and signal dual back-up



- Umate LM (P1.9/2.5/3.9)**
Flexible in Size, Applicable for All
- 3 size cabinets mixed splicing free to create
 - Cabinet rotation usage without color bias
 - Semi-outdoor high brightness optional
 - Cable-less inside cabinet



- UDAP II (P2.1/5.1/8.2/2.5)**
- 6000Hz high refresh rate, vivid visual experience
 - Anti-collision design provides comprehensive protection to keep the LED lamp, pad, PCB from damage during delivery and splicing
 - Efficient heat dissipation, 5°C lower than conventional LED display
 - Easy real-time monitoring of operating status



- Umate SF (P4/6.8/10)**
Strong and Stable for Outdoor Display
- High performance advertising potential - 6000-20000pts/high brightness, 360Hz high refresh
 - Stable and continuous - Front/Rear IP65, Hidden alignment design, Die-cast cabinet
 - Efficient maintenance - Front/Rear Maintenance, weights 23kg/panel, Dual handles
 - Wide range of applications - Right angle solution, Perfect rounded corners

Unilumin

INDOOR LED DISPLAY

ภาพคมชัด สีสดใส ในทุกพื้นที่ภายในอาคาร

LAMPRO
WHOLESALE LEADER IN THAILAND

No.1 WHOLESALE
IN THAILAND

Lampro มุ่งมั่นส่งมอบ LED Display
คุณภาพสูง ที่ตอบโจทย์ทุกความต้องการ
ของลูกค้า ด้วยเทคโนโลยีที่ทันสมัย
ประสิทธิภาพที่เชื่อถือได้และบริการที่คุณ
วางใจได้

APPLICATIONS



Command Center



Lecture Hall



Airport



Shopping Mall



Corporate



Conference Room



Luxury Store



HIGH BRIGHTNESS
ความสว่างสูง
มองเห็นชัดเจนแม้กลางแจ้ง



HIGH RESOLUTION
ความละเอียดสูง
ภาพคมชัด สีสมจริง



HIGH DURABILITY
แข็งแรง ทนทาน
ใช้งานได้ยาวนาน



WARRANTY UP TO 5 YEARS
รับประกันยาวนาน
สูงสุด 5 ปี

LAMPRO INDOOR LED SERIES



Standard
LC

คุ้มค่า คุ้มราคา



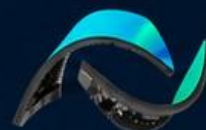
Hard Surface
LC-COB

ป้องกันการกระแทก
ทนความชื้น



Rental
LR

ติดตั้งรวดเร็ว
น้ำหนักเบา



Soft / Curve
LW

โค้งงอตามดีไซน์
รองรับกับโครงเข้า-โครงออก



16:9 Micro
Lmini

อัตราส่วน 16:9
ต่อจอไร้รอยต่อ



Transparent
UVF

โปร่งใส สบายตา
น้ำหนักเบาพิเศษ



HIGH PERFORMANCE
ประสิทธิภาพสูง
งานเสถียรต่อเนื่อง



RELIABLE &
DURABLE
วัสดุคุณภาพเยี่ยม
ทนทานทุกสภาพอากาศ



ENERGY EFFICIENT
ประหยัดพลังงาน
เป็นมิตรต่อ
สิ่งแวดล้อม



AFTER-SALES SERVICE
บริการหลังการขาย
รวดเร็ว ใจดีทุกขั้นตอน



WARRANTY
UP TO 5 YEARS

รับประกันสูงสุดนาน 5 ปี*

*เงื่อนไขเป็นไปตามที่บริษัทกำหนด

OUTDOOR LED DISPLAY

สว่าง ชัด นานทุกสภาพอากาศ

High Performance LED Solution for Outdoor Applications

LAMPRO⁷

อันดับ **1** ด้านการขายส่งในเมืองไทย



HIGH BRIGHTNESS

ความสว่างสูง
มองเห็นชัดเจนแม้กลางแดด



HIGH RESOLUTION

ความละเอียดสูง
ภาพคมชัด สีสันสมจริง



HIGH DURABILITY

โครงสร้างแข็งแรง
ทนทาน ใช้งานได้นาน



IP67 PROTECTION

กันน้ำ กันฝุ่น
ระดับสูงสุด



SALT SPRAY RESISTANT

ทนไอเกลือ
เหมาะสำหรับพื้นที่ริมทะเล



WARRANTY UP TO 5 YEARS

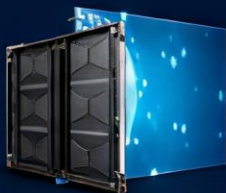
มาตรฐานกับไฟฟ้า BS476
ปลอดภัย มั่นใจในทุกพื้นที่

LAMPRO OUTDOOR LED SERIES



**Standard
LDT**

High Brightness
Cost Effective
ทนทานทุกสภาพอากาศ



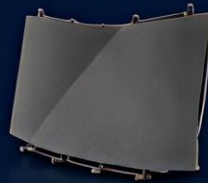
**Premium
LST**

High Resolution
Superior Contrast
สีสันคมชัดสมจริง



**Rental
LR**

Lightweight Design
Fast Installation
ติดตั้งรวดเร็ว รื้อถอนง่าย



**Curve
WX**

Flexible Curve
Creative Design
โค้งงอได้ตามดีไซน์



**3D Corner
RS**

90° Seamless Corner
Perfect Viewing
เข้มุมเนียน ไร้รอยต่อ



**Transparent
XV**

High Transparency
Ultra Lightweight
โปร่งใส สวยงาม
ไม่บังทัศนียภาพ

APPLICATIONS



Corporate



Billboard



Stadium



Seaside



Highway



Shopping Mall



Convention Center



HIGH PERFORMANCE

ประสิทธิภาพสูง
ทำงานเสถียรต่อเนื่อง



RELIABLE & DURABLE

วัสดุคุณภาพเยี่ยม
ทนทานทุกสภาพอากาศ



ENERGY EFFICIENT

ประหยัดพลังงาน
เป็นมิตรต่อสิ่งแวดล้อม



SMART CONTROL

รองรับระบบควบคุมอัจฉริยะ
บริหารจัดการง่าย



**WARRANTY
UP TO 5 YEARS**

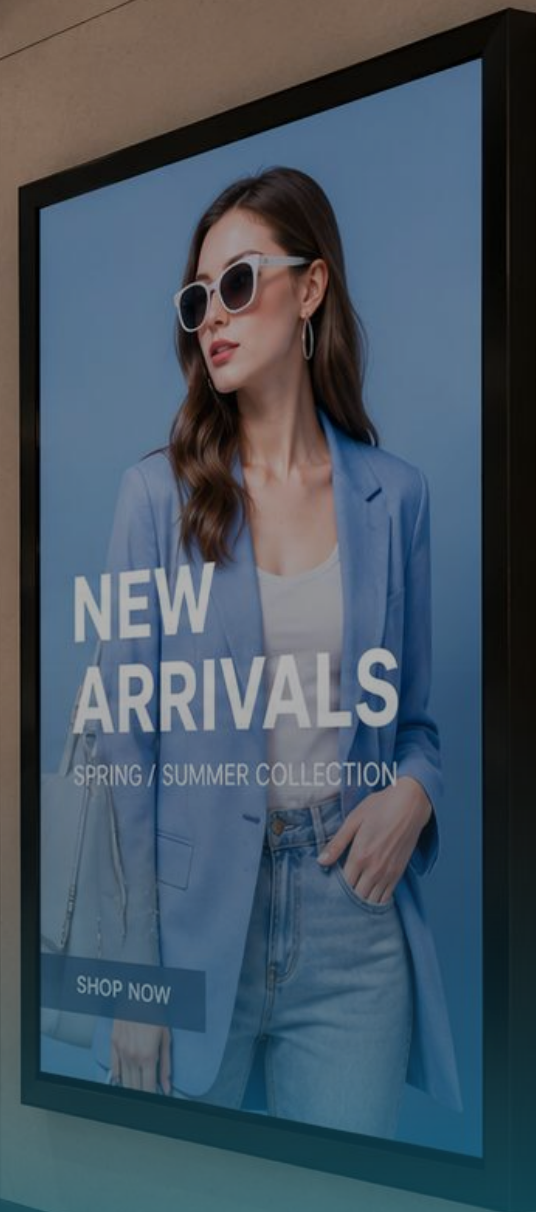
รับประกันสูงสุดนาน 5 ปี*

*เงื่อนไขเป็นไปตามที่บริษัทกำหนด

PRODUCT

DIGITAL SIGNAGE

Digital Signage คือระบบป้ายดิจิทัลอัจฉริยะที่ผสานเทคโนโลยี AI Face Recognition เข้ากับการเชื่อมต่ออุปกรณ์ IoT เพื่อยกระดับสื่อโฆษณาให้ตอบสนองต่อผู้ชมแบบเรียลไทม์ ระบบสามารถวิเคราะห์เพศ ช่วงอายุ และอารมณ์ของผู้ชม เพื่อแสดงเนื้อหาที่เหมาะสมแบบเฉพาะบุคคล (Personalized Content) พร้อมเก็บข้อมูลเชิงพฤติกรรมและจำนวนผู้รับชม (Audience Analytics) สำหรับวัดผลแคมเปญ การเชื่อมต่อ IoT ทำให้จอแสดงผลรับข้อมูลสดจากเซ็นเซอร์ กล้อง สภาพอากาศ และระบบ POS เพื่อปรับเนื้อหาให้สอดคล้องกับบริบทโดยอัตโนมัติ เหมาะสำหรับห้างสรรพสินค้า ร้านค้าปลีก สนามบิน โรงแรม และพื้นที่สาธารณะที่ต้องการสร้างประสบการณ์อันโดดเด่นและวัดผลได้จริง



PRODUCT DIGITAL SIGNAGE



20+

Years of industry experience

10,000+

Units delivered



DIGITAL SIGNAGE

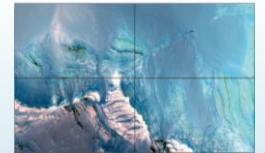
- | | | |
|---|---|---|
| <ul style="list-style-type: none"> Shopping Mall <ul style="list-style-type: none"> Directory kiosk Advertising display Promotion banner Retail Store <ul style="list-style-type: none"> Product promotion Smart shelf display Interactive catalog Restaurant / QSR <ul style="list-style-type: none"> Digital menu board Self-order kiosk Promotion display Airport <ul style="list-style-type: none"> Flight information display Wayfinding Advertising media | <ul style="list-style-type: none"> School / University <ul style="list-style-type: none"> Campus announcement Interactive learning Event information Stadium / Arena <ul style="list-style-type: none"> Live score display Sponsor advertising Directional signage Gas Station / EV Charging Station <ul style="list-style-type: none"> Promotion display Energy dashboard Digital advertising Smart City / Outdoor Public Area <ul style="list-style-type: none"> Smart pole display Emergency notification Public information board | <ul style="list-style-type: none"> Railway / BTS / MRT Station <ul style="list-style-type: none"> Passenger information Timetable display Advertising panel Hotel <ul style="list-style-type: none"> Lobby welcome signage Meeting room signage Event schedule display Corporate Office <ul style="list-style-type: none"> Reception display Dashboard / KPI Meeting room booking Hospital <ul style="list-style-type: none"> Queue management Patient information Health education |
|---|---|---|



Box Signage



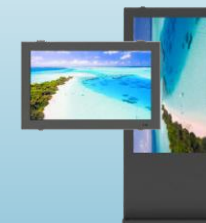
Wallmount Signage



Videowall Signage



Floorstand Signage



Outdoor Signage



LED Floorstand Signage

A Single Unified Platform for Digital Signage, Audio, IoT Sensors, Edge AI & ATSC 3.0 Datacasting

RYARC is an enterprise software company with 100+ man-years of development, research and engineering behind its platform. It provides a unified, easy-to-use solution for managing Digital Signage, AD Sales & Auction, Audio, AI Camera Vision, IoT Sensors, and Edge Device Management — all from a single platform.

MULTI-PLATFORM

Raspberry Pi | Windows | Linux | Android

ENTERPRISE SECURITY

- Role-Based Access Control (RBAC)
- Secure HTTPS / SSL encrypted communication
- User authentication & permission management
- Active Directory / LDAP integration
- Audit logs & activity tracking
- Secure device/player management
- Content approval workflow
- Emergency message override control
- VPN & firewall compatible deployment
- Secure API integration
- Kiosk mode & endpoint protection
- Supports On-Premise and Private Cloud deployment



DIGITAL SIGNAGE

CM

Enterprise Digital Signage Platform with AI, Sensor, Camera, Data Feeds, Real Time Monitoring and Report

DAPPLER

Audio Management Software

NEPTUNE

Enterprise report with proof of playback, audience analytic.

FACE AI

Audience count, age, gender, dwell time, gaze, trigger based on AI model and AI sensor.

rIOT

Ryarc IOT Platform to manage thousand of device from single platform.

ENTERPRISE SCALE

Endpoint Hardening Support

- Windows lockdown/kiosk mode
- Android kiosk mode
- USB blocking
- Auto-launch protection
- Application whitelisting
- Prevents tampering at the player level.

Enterprise-Level Deployment

- On-premise deployment
- Private cloud deployment
- Redundant servers
- Backup & disaster recovery
- High availability architecture
- Multi-site centralized management

Integration Security

- Secure API framework
- Authentication tokens/API keys
- Third-party integration controls
- IoT and data source access management
- Supports secure integration with:
 - BI dashboards
 - Queue systems
 - AI analytics
 - Building management systems

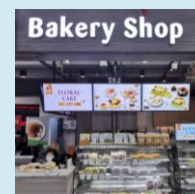
APPLICATION



Digital Signage



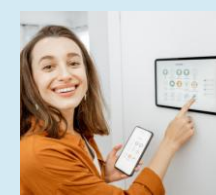
Workspace



Digital Menuboard



Wayfinding



Room Automation



Operator Board

Product **Outdoor Display**

outdoor monitors are built to withstand various weather conditions, extreme temperatures, and other environmental factors

BOE

AUO

SAMSUNG

LG



High Brightness LCD
Kit for Outdoor
Display



Open Frame Outdoor
Kit



Outdoor
Monitor



Outdoor Display
Floorstand

Rugged Design Features



Direct Sunlight



High Temperature (0-60c)



IP56 Weather Proof



Frontal Tempered Glass

Smart AI Features



IOT Sensor Management



Remote Support and Assistant



Video Analytic



Mobile Interactive



Petrol Station



Car Park



Amusement Park



Public Announcement



Restaurant



Public Transport

AI Smart Whiteboard

Unlock more inspiration

Under the whiteboard function, AI is also omnipresent. From a sudden inspiration to the implementation of a plan, the Horion AI smart whiteboard helps you organize your thoughts search for information, and build plans... It covers all aspects and is fully equipped.



Horion

Redefining Collaboration. Inspiring Innovation.

DIGITAL SIGNAGE

Interactive Flat Panel



E55APro 55"



K7A
(AI/EDLA) 75-86"



P6A
43" - 98"



M6APro V2
(AI/EDLA) 65-98"



M3A 65"



32MR1A



27EP1



L1S - 135"-162"

Accessories



Smart conference
camera



Newest microphone



Microphone cascade
by wires



Microphone wireless
cascade



4K camera



Screen mirroring
device



One-click dongle



Smart pen



OPS



CRM system

PRODUCT

ODM & KIOSK

ODM & Kiosk Manufacturing คือบริการรับออกแบบและผลิตตู้คี้ออสมักอัจฉริยะ (Self-Service Kiosk) แบบครบวงจรภายใต้แบรนด์ของลูกค้า ครอบคลุมตั้งแต่การออกแบบโครงสร้างทางวิศวกรรม การเลือกวัสดุและฮาร์ดแวร์ การประกอบ การทดสอบคุณภาพ จนถึงการผลิตติดตั้งหน้างาน รองรับการผลิตทั้งแบบ Standard และ Custom Design ตามความต้องการของลูกค้า ไม่ว่าจะเป็น Self-Service Kiosk, Information Kiosk, Payment Kiosk, Wayfinding Kiosk หรือ Check-in Kiosk เหมาะสำหรับธนาคาร โรงพยาบาล สนามบิน ห้างสรรพสินค้า ร้านอาหาร และหน่วยงานราชการ ด้วยกระบวนการผลิตที่ได้มาตรฐานอุตสาหกรรม ระบบควบคุมคุณภาพทุกขั้นตอน (QA/QC) และทีมวิศวกรผู้เชี่ยวชาญ พร้อมบริการหลังการขายและการบำรุงรักษาตลอดอายุการใช้งาน

PRODUCT ORIGINAL DESIGN & MANUFACTURING

We provide comprehensive ODM (Original Design Manufacturing) services for outdoor digital signage, smart city equipment, kiosks, LED displays, and industrial electronic systems. Our engineering and quality assurance processes are designed to ensure every product can operate reliably in real-world environments across Thailand and harsh outdoor conditions.



PRODUCT DESIGN

Industrial design, mechanical engineering, and human-factors expertise for kiosks, smart poles, and signage — intuitive, ergonomic, and rugged for 24/7 outdoor use.



MANUFACTURING SERVICES

End-to-end on one campus: laser cutting, press brakes, turret punching, welding, grinding, painting, assembly, integration, and shipping.



IoT & AI ENGINEERING

IoT firmware, edge computing, AI face-recognition, and audience analytics built into our products for real-time, context-aware experiences.



SOFTWARE DEVELOPMENT

In-house software engineers building self-service UIs, content management platforms, and hardware/API integrations across Windows, Linux, and Android.



SYSTEM INTEGRATION

Networking, power, mounting, and field deployment for smart-city devices — connecting cameras, sensors, LED, and digital signage into unified platforms.



QA, TESTING & SUPPORT

Industry-standard QA/QC at every stage, environmental and electrical testing, plus nationwide installation, maintenance, and lifecycle support.



Our ODM Quality Assurance & Environmental Testing Services



HIGH TEMP
RESISTANT



WATERPROOF



DUSTPROOF



SALT SPRAY
RESISTANT



UV
RESISTANT



ANTF
CORROSION



24/7
OPERATION

SELF SERVICE KIOSK

All EKS series products are available as OEM or ODM builds. STEP handles the full process from R&D and custom design through to manufacturing, warehousing, installation, and onsite after-service — enabling partners and system integrators to deliver white-label kiosk solutions under their own brand.

Operation Process for Main Product and OEM/ODM Product



Product



Standard Kiosk



Self Checkout



Self Ordering



Mini Kiosk



Interactive Directory



Outdoor Series



Smart Locker



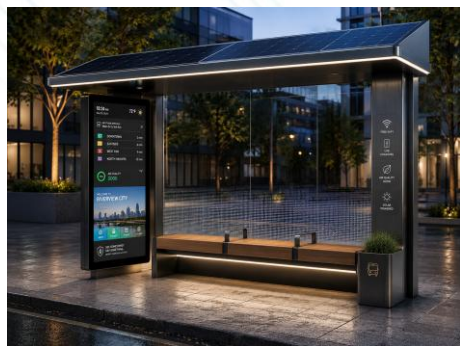
Outdoor Kiosk



Homepro
Self service checkout kiosk

PRODUCT **SMART URBAN FURNITURE**

Simplify idea to make smart urban furniture with architectural integration to smart city for smart living



Smart Bus Shelter

Solar-powered shelter with real-time arrival displays, USB charging, Wi-Fi, and air quality sensors.



Smart Service Pavilion

Smart power service station with solar air conditioner, lighting and power with service kiosk to USB charging, Wi-Fi, and etc



Outdoor EV Charging Station

Solar-assisted EV charger for public parks and parking areas with digital payment and usage display.



Smart Traffic Pole

Adaptive LED street light with motion sensors, dimming control, LED Signage, Speaker, CCTV integration, and energy monitoring.



Smart Outdoor Table/ Smart Bench

Solar-charged picnic/meeting table with wireless charging pads, Bluetooth speaker, and embedded display.



Digital Info Kiosk

Interactive touchscreen kiosk for maps, transit schedules, city info, emergency alerts, and advertising.



Smart Solar Shade + Smart Locker

Solar panel roof pergola, + Smart Locker for 24x7 parcel pickup. integrated LED lighting, USB outlets, and Wi-Fi



Smart Waste Bin

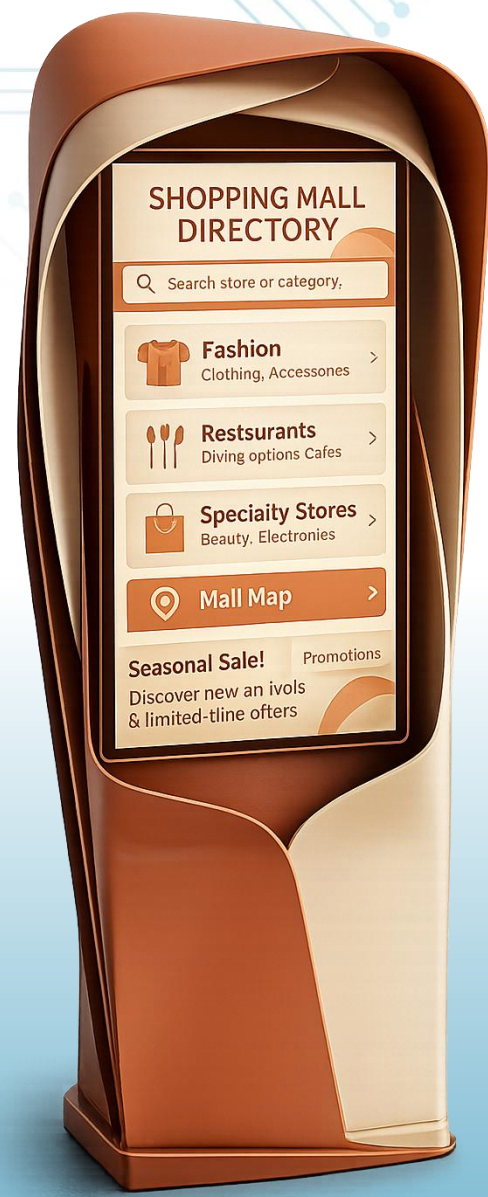
IoT-connected bin with fill-level sensors that alert waste management teams when near capacity.

PRODUCT **SELF SERVICE KIOSK**

KIOSK



PRODUCT **DIGITAL SIGNAGE TOTEM**



PRODUCT SMART SHELTER



SMART SOLAR SHELTER WITH DIGITAL SIGNAGE AND SMART LOCKER

- Integrated LCD signage
- Real-time transit info
- Solar canopy & LED lighting
- USB charging & free Wi-Fi
- CCTV & SOS button
- Weatherproof IP65 build
- Ad-revenue ready

PRODUCT SMART SOLAR BENCH



SMART SOLAR BENCH WITH DIGITAL SIGNAGE

- **Integrated digital signage** — 21.5" or 32" sunlight-readable LCD for ads, wayfinding, public alerts
- **Solar-powered & off-grid** — rooftop PV panels with battery backup for 24/7 operation
- **USB & wireless charging** — fast-charge ports for phones and devices on the seat panel
- **Free public Wi-Fi hotspot** — extends connectivity in parks, plazas, transit stops
- **Environmental sensors** — air quality, temperature, noise & pedestrian counters
- **Smart lighting & CCTV** — motion-activated LED, optional surveillance & SOS button
- **Cloud CMS** — remote content scheduling, fleet monitoring & OTA updates

DIGITAL TOTEM KIOSK OUTDOOR

(เสาข้อมูลดิจิทัล)

ครบทุกข้อมูลเมืองในเสาเดียว
อัจฉริยะ เชื่อมต่อ ใช้งานง่าย



จัดการเนื้อหา
ผ่านระบบคลาวด์
ได้ทุกที่ ทุกเวลา



WAYFINDING & MAP

แผนที่ดิจิทัล นำทาง
ค้นหาสถานที่สำคัญ
รอบตัวคุณ



TOUCH SCREEN

หน้าจอสัมผัส
ใช้งานง่าย
ตอบสนองรวดเร็ว



QR CODE

สแกนเพื่อดูข้อมูลเพิ่มเติม
โปรโมชั่น โปรโมชั่น
หรือดาวน์โหลดแอป



NFC READER

แตะเพื่อเชื่อมต่อ
รับข้อมูล / ลงทะเบียน
หรือใช้บริการเมือง



DOOH ADVERTISING

โฆษณาดิจิทัล
สร้างรายได้
เปลี่ยนคอนเทนต์ได้ทันที



CLOUD CMS

ควบคุมเนื้อหาผ่าน Cloud
อัปเดต จัดการ ได้ทุกที่ ทุกเวลา



จอภาพความสว่างสูง
มองเห็นชัดเจน
แม้กลางแจ้ง



ทนทานทุกสภาพอากาศ
IP65 ป้องกันฝุ่น
และน้ำ



กระจกนิรภัย
แข็งแรง ปลอดภัย
ทนแรงกระแทก



ระบบระบายความร้อน
อัจฉริยะ ทำงานเสถียร
ตลอดเวลา



ประหยัดพลังงาน
เป็นมิตรกับ
สิ่งแวดล้อม



DIGITAL TOTEM KIOSK

OUTDOOR

(เสาช้อมูลดิจิทัล)

All-in-One Solution รวมทุกฟังก์ชันไว้ในเสาชเดียว
เพื่อการสื่อสารเมืองอัจฉริยะ อย่างมีประสิทธิภาพ



WAYFINDING & MAP

แผนที่ดิจิทัล นำทาง
ค้นหาสถานที่สำคัญรอบตัวคุณ



TRANSIT INFO

ตารางรถโดยสาร แบบเรียลไทม์
อัปเดตตลอดเวลา



DOOH ADVERTISING

โฆษณาดิจิทัล สร้างรายได้
เปลี่ยนคอนเทนต์ได้ทันที



CLOUD CMS

ควบคุมเนื้อหาผ่าน Cloud
อัปเดต จัดการ ได้ทุกที่ ทุกเวลา



TOUCH SCREEN

หน้าจอสัมผัส ใช้งานง่าย
ตอบสนองรวดเร็ว



QR CODE

สแกนเพื่อข้อมูลเพิ่มเติม
โปรโมชั่น หรือดาวน์โหลดแอป



NFC READER

แตะเพื่อเชื่อมต่อ
รับข้อมูล / ลงทะเบียน / ใช้บริการเมือง

ออกแบบมาเพื่อการใช้งานริมทะเล
BUILT FOR SEASIDE ENVIRONMENT



Stainless Steel 316

โครงสร้างสแตนเลส 316
ป้องกันสนิม ทนการกัดกร่อนสูง



Anti-Corrosion Coating

เคลือบป้องกันการกัดกร่อน
ทนไอเกลือและความชื้น



IP65 Waterproof

มาตรฐานกันน้ำ กันฝุ่น IP65
ใช้งานได้อย่างมั่นใจ



UV Protection

กระจกและหน้าจอ
ป้องกันรังสี UV



Heat Resistant

ระบบระบายความร้อนประสิทธิภาพสูง
ทนอุณหภูมิสูง



Vandal Resistant

กระจกนิรภัยกันกระแทก IK10
ป้องกันการถูกทำลาย



CLOUD CMS

ควบคุมเนื้อหาผ่าน Cloud
อัปเดต จัดการ ได้ทุกที่ ทุกเวลา



FREE WIFI

เชื่อมต่ออินเทอร์เน็ตฟรี
เพื่อทุกคน



USB & WIRELESS CHARGER

ชาร์จอุปกรณ์ของคุณ
สะดวกทุกเวลา



แข็งแรง ทนทาน

วัสดุเกรดพรีเมียม
อายุการใช้งานยาวนาน



ทนลมแรง

โครงสร้างมั่นคง
ออกแบบรองรับ
สภาพอากาศริมทะเล



กันน้ำ กันฝุ่น

มาตรฐาน IP65
ใช้งานได้ทุกสภาพอากาศ



บำรุงรักษาง่าย

ออกแบบเพื่อการดูแลรักษา
และเปลี่ยนอะไหล่ได้สะดวก



SMART CITY
ยกระดับเมือง
ด้วยเทคโนโลยีดิจิทัล



INNOVATION
นวัตกรรมเพื่ออนาคต
ที่ยั่งยืน



CONNECTED
เชื่อมต่อทุกข้อมูล
อย่างไร้รอยต่อ



DATA DRIVEN
ขับเคลื่อนด้วยข้อมูล
เพื่อการตัดสินใจที่แม่นยำ



SUPPORT
บริการหลังการขาย
มาตรฐานมืออาชีพ

EFFECTIVE

สื่อสารได้ตรงเป้าหมาย
เข้าถึงทุกกลุ่มเป้าหมาย



SUSTAINABLE

ออกแบบเพื่อความยั่งยืน
เป็นมิตรต่อสิ่งแวดล้อม



PARTNERSHIP

ร่วมเป็นพันธมิตร
สร้างเมืองที่น่าอยู่



PRODUCT AV

ระบบ AV (Audio Visual) คือระบบที่ผสานงานด้านภาพ เสียง และการควบคุมเข้าด้วยกัน เพื่อเพิ่มประสิทธิภาพในการสื่อสาร การประชุม การนำเสนอ และการบริหารจัดการข้อมูลในองค์กร โดยครอบคลุมทั้งระบบจอภาพ LED Display, Video Wall, ระบบเสียง, ระบบประชุม, Digital Signage และระบบควบคุมอัจฉริยะต่างๆ เราเป็นผู้เชี่ยวชาญด้านระบบ AV แบบครบวงจร ด้วยประสบการณ์ในการออกแบบ ติดตั้ง และดูแลระบบให้กับหน่วยงานภาครัฐและเอกชนทั่วประเทศเรามีทีมวิศวกร ผู้ชำนาญการ พร้อมความรู้ด้านเทคโนโลยีภาพและเสียงสมัยใหม่ สามารถออกแบบโซลูชันให้เหมาะสมกับการใช้งานจริงในทุกประเภทโครงการ เรายังเป็นผู้นำเข้าอุปกรณ์โดยตรงจากแบรนด์ชั้นนำระดับโลก ทำให้มั่นใจได้ในเรื่องคุณภาพ มาตรฐาน และความคุ้มค่าในการลงทุนเราดูแลตั้งแต่การให้คำปรึกษา ออกแบบ ติดตั้ง ทดสอบระบบ อบรมการใช้งาน ไปจนถึงบริการหลังการขายแบบครบวงจร เป็นพันธมิตรที่องค์กรไว้วางใจสำหรับงานระบบ AV อย่างมืออาชีพ

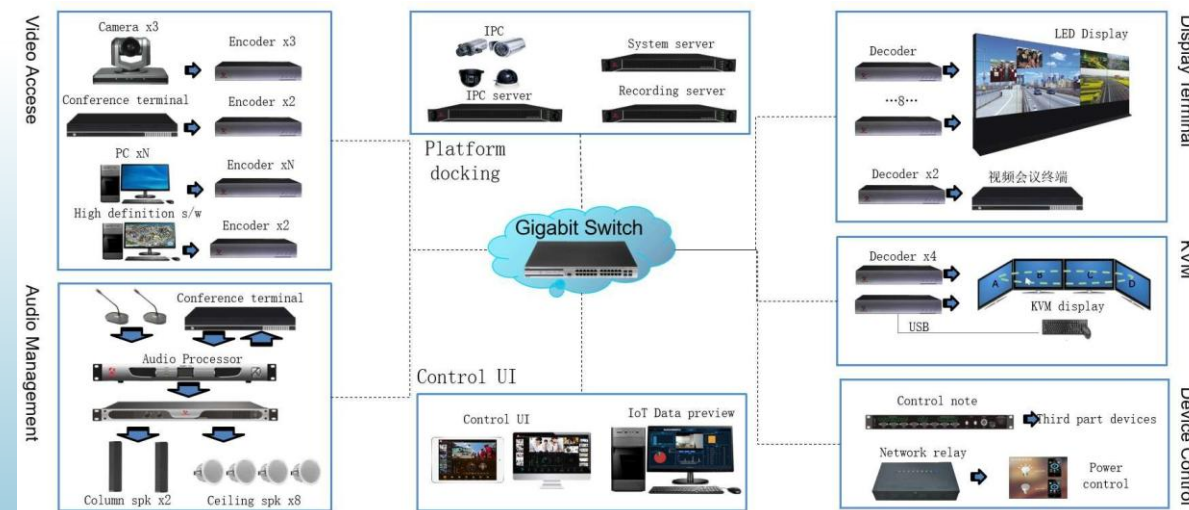
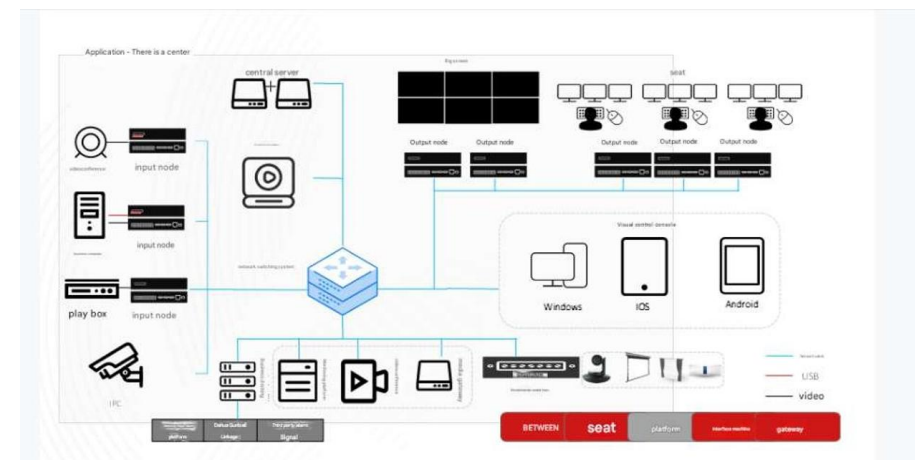


PRODUCT **AV over IP**

MIDIS (Multi-Media Information Distributive Interactive System) is an innovative audio-visual (AV) over IP solution developed by Tendzone, designed for environments that require the aggregation of various AV signals, such as emergency command centers, control rooms, and conference centers. It is one of the industry's earliest systems to integrate audio, video, and control with synchronized transmission over a single network, providing a unified, platform-based, one-stop solution for multimedia information.

MIDIS UI

Supports UI programming, allowing users to customize modifications



Command hall

Meeting Room

Multi-function hall

Control Room

Server Room

Duty Room

Press Room

Reception Room

COMMAND CENTER SOLUTION



Unified Command:

Real-time interaction across the entire network



Cross-platform integration

Bottom-level integration of IP, unified interface, and unified scheduling.



Mobile Command

Ultra-high integration equipment, real-time communication with the command center



Multi-network integration

physical isolation of multiple networks, secure fusion control and scheduling.



Digital Collaboration

Multilevel Interconnection, Audio and Video Synchronization, Weak Network Adaptation



Professional AI Tech Audio

5A core algorithm, AI denoising, over a thousand channels of audio processing.

Command Center Solution

AV System

Subsystems: Speech system, Audio Amplification, Video Display, Video conference, Recording and broadcasting, conference control system.



Ceiling speakers (8)

Conference sound amplification; Uniform sound field; Easy to hide, beautiful;



Column speakers (2)

Video source main loudspeaker; Wall-mounted or wall-embedded; Install on either side of the display screen;



Table microphones (20)

Local meeting pickup; Remote meeting pickup;



Cameras (2)

Film the entire scene; Local meeting recording; Remote meeting videography;



LED display



Wireless handheld microphones (4)

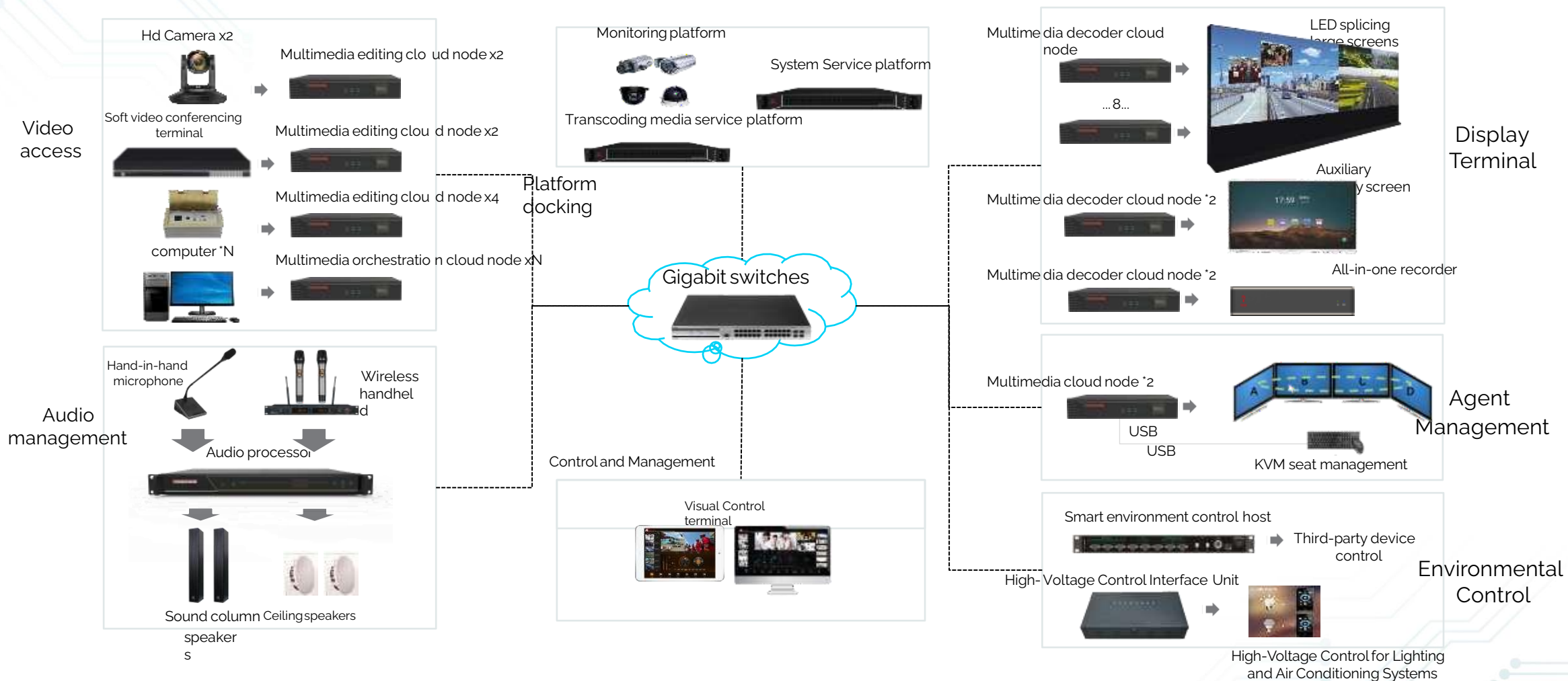
For mobile use;



Visual management

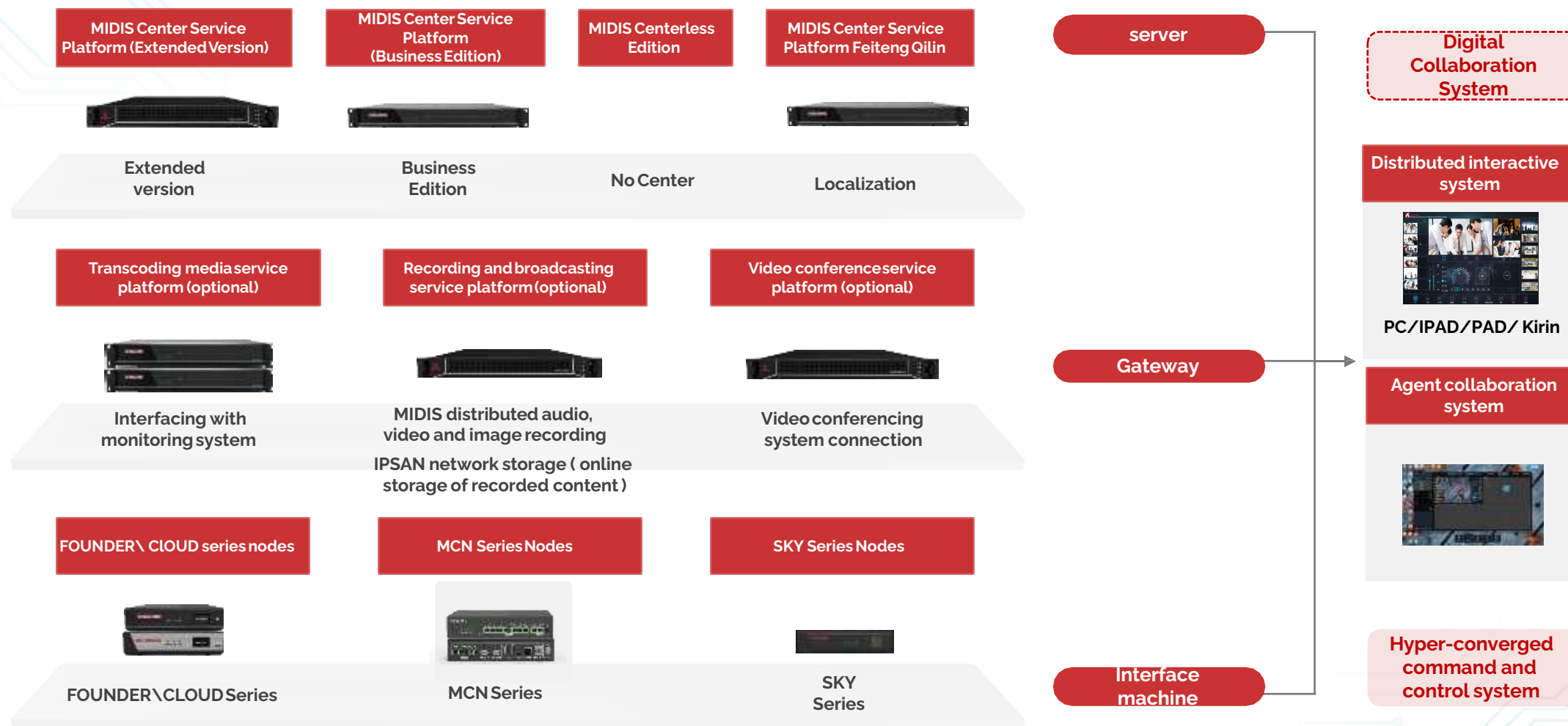
Command Center Solution

IOC MIDIS architecture diagram



Command Center Solution

Product Overview



Meeting Room Solution

Subsystems: speech system, audio amplification, video display, soft video conferencing, conference control



Ceiling speakers (8)

Conference sound amplification;
Uniform sound field;
Easy to hide, beautiful;



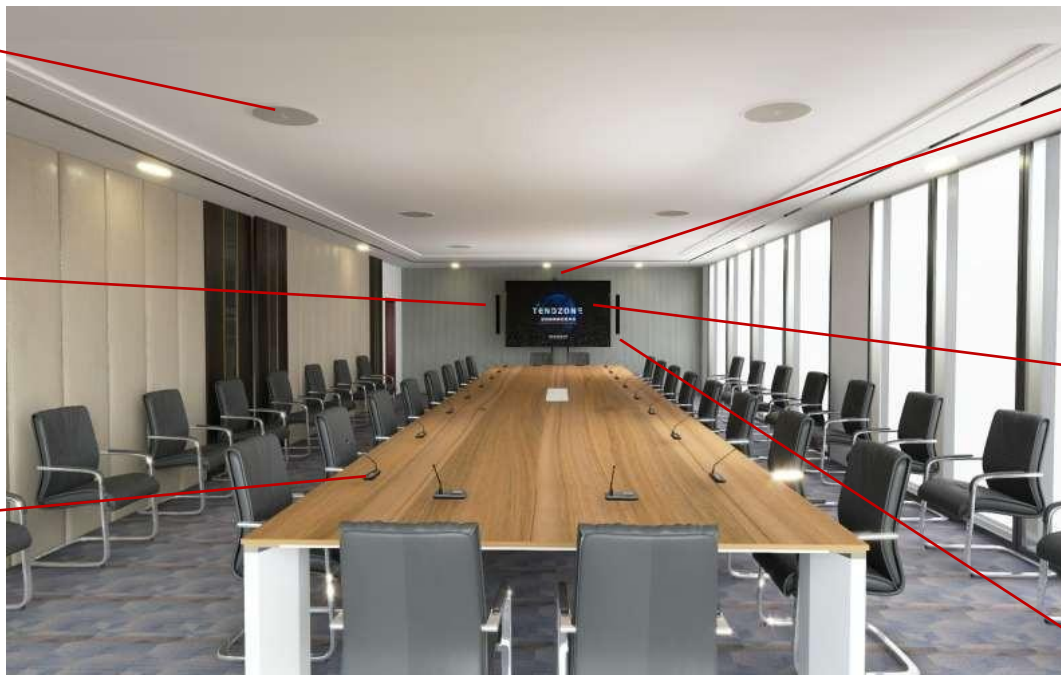
Column speakers (2)

Source main loudspeaker; Wall-mounted or wall-embedded; Install on either side of the display screen;



Hand-in-hand microphones (20)

Local meeting pickup;
Remote meeting pickup;



Cameras (3)

One camera captures the entire scene;
2 Take close-ups;
Remote conference camera;



Smart Board



Wireless handheld microphones (2)

For mobile use;

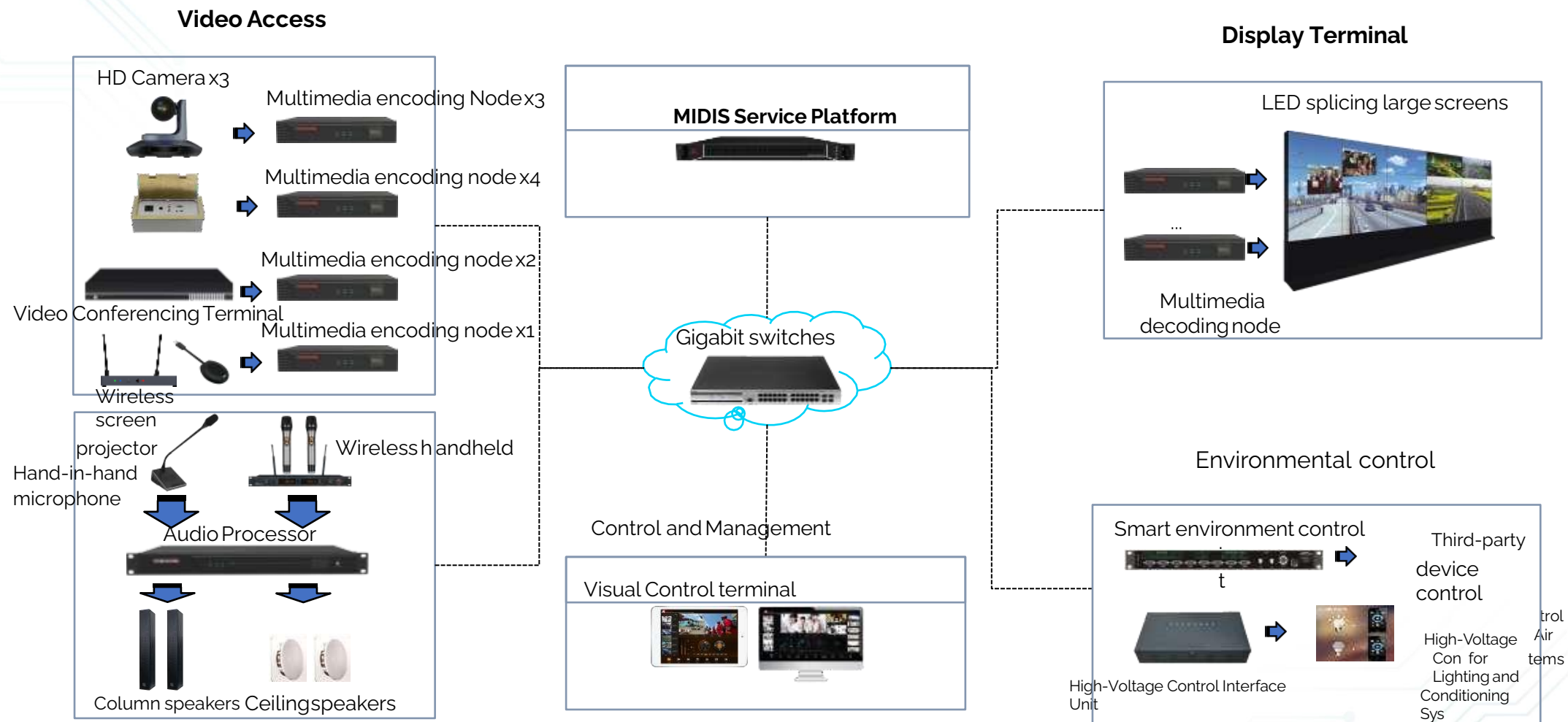


Wireless screen projection



Visual management

Meeting Room Solution



Cimber 2009

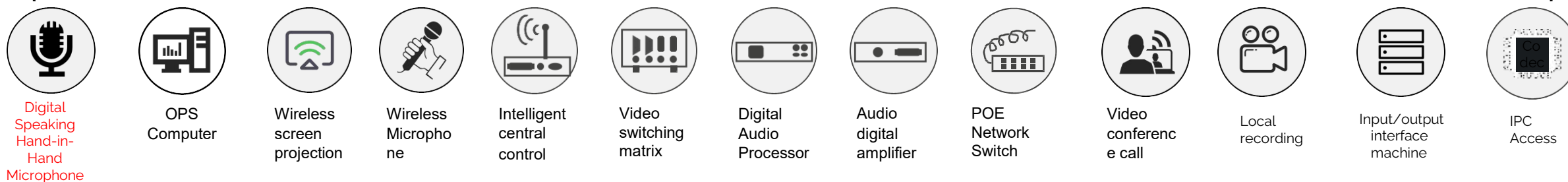
13 in 1 Multifunction Terminal

Essential Core Cards:

- Intelligent Main Control Board (for intelligent central control, video conferencing, encoding/decoding, distributed scheduling, local recording, network switching, etc.)
- Digital Audio Board

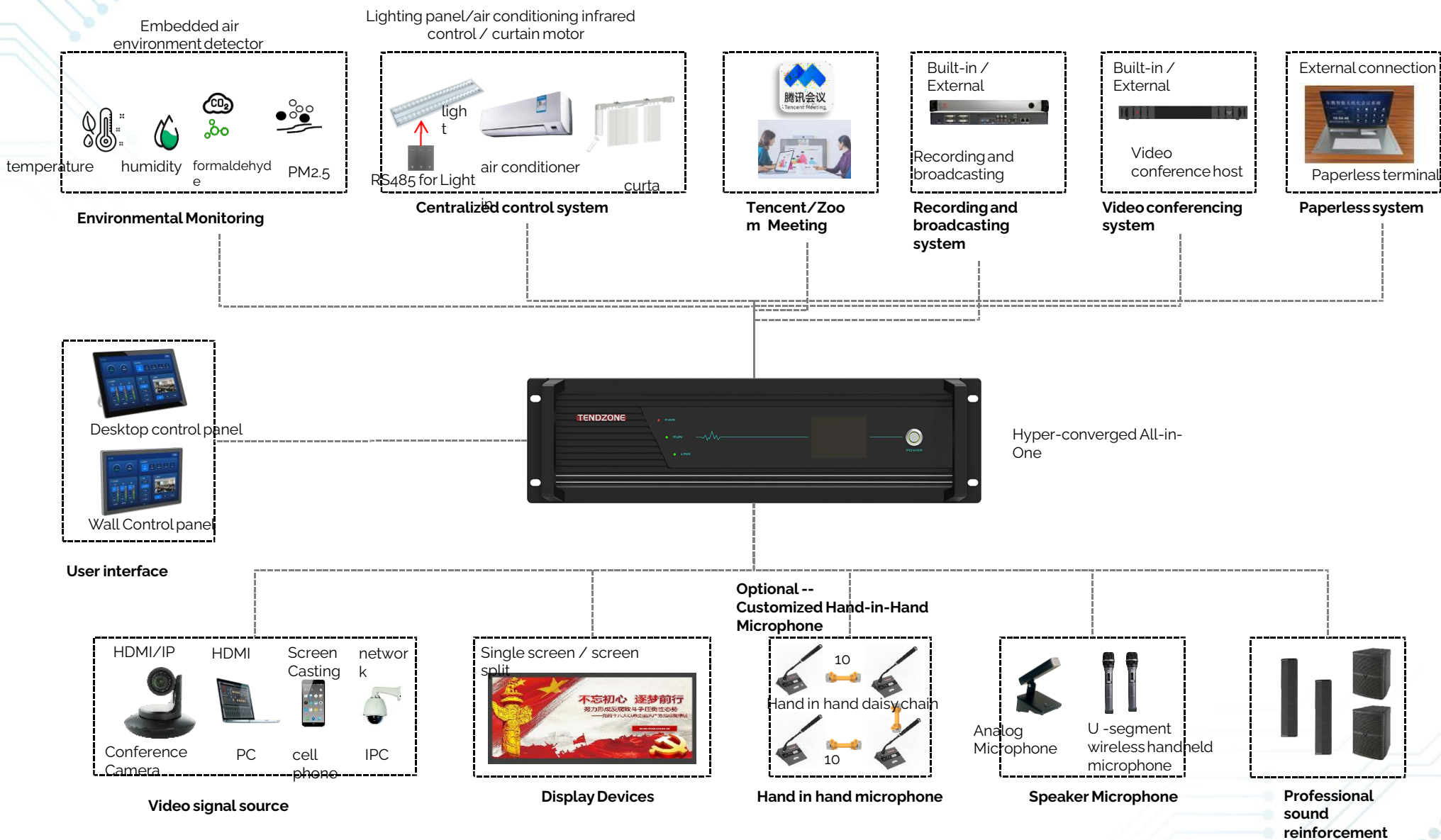
Optional Additional Cards:

- OPS Computer Card
- Wireless Screen Mirroring Card
- Wireless Microphone Receiver Card
- Video Input/Output Board



- Improved user experience: highly integrated and one-click operation, quick to get started
- Provides a friendly user interface to meet the debugging needs of complex acoustic venues
- Real-time display of full-link video signals, seamless switching of 4K videos, and real-time preview of input images
- All backplane interface cards are hot-swappable for easy maintenance.
- Multi-camera tracking shooting, automatic output of spokesperson close-up snapshots
- The system supports simultaneous input of various microphones and includes 4 amplifiers.
- Energy saving, environmental protection, lightness and compactness
- Telecom-grade design ensures that the product can run stably and uninterruptedly 24 hours a day

Climber 2009 Application Diagram



PRODUCT COMMAND CENTER

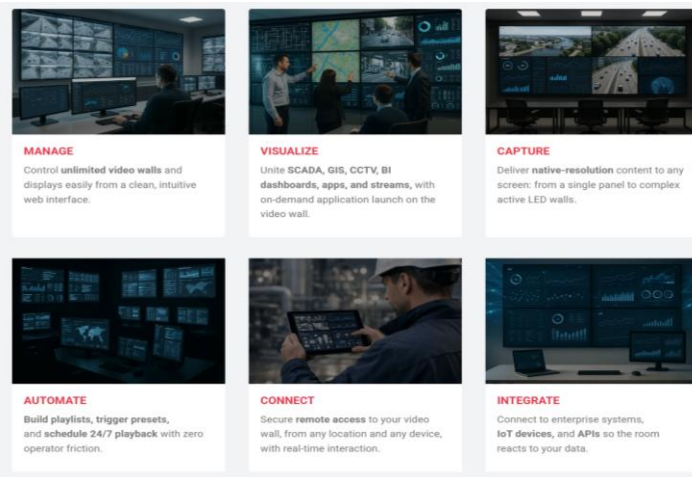


คือซอฟต์แวร์ควบคุมวิดีโออลลิแบบ
เพียวซอฟต์แวร์สำหรับห้องควบคุม (Control Room) ทุกประเภท
ทดแทนตัวประมวลผลและฮาร์ดแวร์คอนโทรลเลอร์แบบดั้งเดิม ติดตั้ง
บนเครื่อง PC หรือเซิร์ฟเวอร์มาตรฐาน ทั้งแบบ on-prem และ
virtualized เพื่อขับเคลื่อนวิดีโออลลิ จัดวาง source และ layout
พร้อมกำหนดสิทธิ์การเข้าถึงตามบทบาทผู้ใช้งานทั่วทั้งเครือข่าย
ผู้ปฏิบัติงานสามารถเข้าถึงและควบคุมวิดีโออลลิจากอุปกรณ์ใดก็ได้
ทุกที่ ทุกเวลา ที่ความละเอียดเนทีฟ โดยไม่ต้องใช้ KVM ปลดภัยและไม่
ต้องพึ่งฮาร์ดแวร์เพิ่มเติม รองรับการใช้งานในศูนย์ปฏิบัติการเครือข่าย
(NOC), ศูนย์ปฏิบัติการความปลอดภัย (SOC) และห้องควบคุมระดับ
Mission-Critical ทั่วโลก

Remote control, native resolution — anytime, anywhere, any device. Access and interact with your video wall without KVMs. Secure, hardware-free control.

WHAT IS POLYWALL?

A pure-software video wall platform for control rooms of any type — replacing traditional hardware controllers and processors. Deploys on standard PCs or servers (single, distributed, on-prem, or virtualized) to drive video walls, orchestrate sources and layouts, and assign role-based access across the network.



HOW POLYWALL WORKS

Replaces expensive control-room hardware with a flexible software workflow. Source capture, content management, visualization, interaction, and automation — all handled inside a single platform, without dedicated video wall hardware.



GLOBAL CUSTOMERS



GLOBAL PARTNERSHIP



CONTROL ROOM CONCEPT – SYSTEMS



Integrated
systems
Interfaces



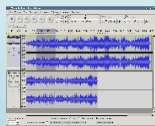
Videowall
elements



Specialized
Furniture
and workplaces



Videoconference
systems



Protocoling systems
for video
and audio events



Room admittance and
on-site video
monitoring



Information
access measures



Infosecurity
infrastructure



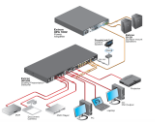
Main graphical
controller



Software to control
visualization



Audio and video
commutation
system



Audio systems
Microphones
Congress system



Server and
network equipment



Uninterruptible
Powers
Supply system



POLYWALL APPLICATIONS

MISSION-CRITICAL CONTROL ROOMS

- **Command and Control Centers** – Centralized monitoring of security, infrastructure, and emergency operations.
- **Network Operations Centers (NOCs)** – IT system performance tracking, network security, and outage prevention.
- **Security Operations Centers (SOCs & ISOCs)** – Continuous surveillance for cybersecurity and physical security threats.
- **Emergency & Crisis Response Centers** – Real-time coordination of first responders, disaster management, and emergency communications.
- **Industrial & SCADA Control Rooms** – Supervisory control for automation, energy grids, and manufacturing processes.
- **Monitoring & Dispatch Centers** – Overseeing transportation, utilities, and logistics operations.

CORPORATE & ENTERPRISE ENVIRONMENTS

- **Executive & KPI Monitoring Rooms** – Visualizing business performance metrics for strategic decision-making.
- **Corporate Communications & Collaboration Centers** – Enhancing internal communication, remote collaboration, and presentations.

INDUSTRY-SPECIFIC CONTROL ROOMS

- **Aviation & Airport Operations Centers** – Managing flight schedules, air traffic control, security monitoring, and passenger information.
- **Transportation & Traffic Management Centers** – Real-time monitoring of highways, railways, and urban mobility systems.
- **Smart City & Urban Management Centers** – Coordinating municipal services, surveillance, and public infrastructure.
- **Energy & Utilities Control Rooms** – Overseeing power grids, water supply networks, and environmental monitoring.
- **Oil & Gas Operations Centers** – Managing drilling sites, refineries, and pipeline monitoring.
- **IT & Cybersecurity Monitoring Centers** – Analyzing digital infrastructure, detecting cyber threats, and ensuring network stability.

HEALTHCARE & EMERGENCY SERVICES

- **Hospital & Medical Command Centers** – Displaying patient data, operational logistics, and emergency coordination.
- **Emergency Dispatcher Centers** – Managing real-time response for police, ambulance, firefighters, and public safety agencies.

POLYWALL SOLUTIONS

SOLUTIONS

- Network Operations Center
- Security Operations Center
- KPI Center
- Situation Center
- Crisis Room
- Decision-Making Room
- Dispatcher Hall
- Control Room
- Corporate AV Network

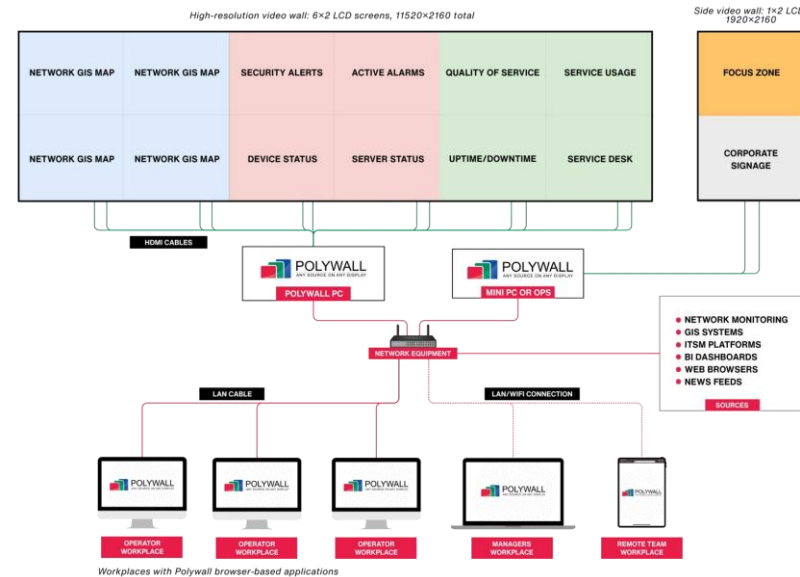
CONTROL OPERATION CENTER

A centralized environment where security teams monitor, analyze, and respond to cyber and physical threats — the last mile of enterprise security.

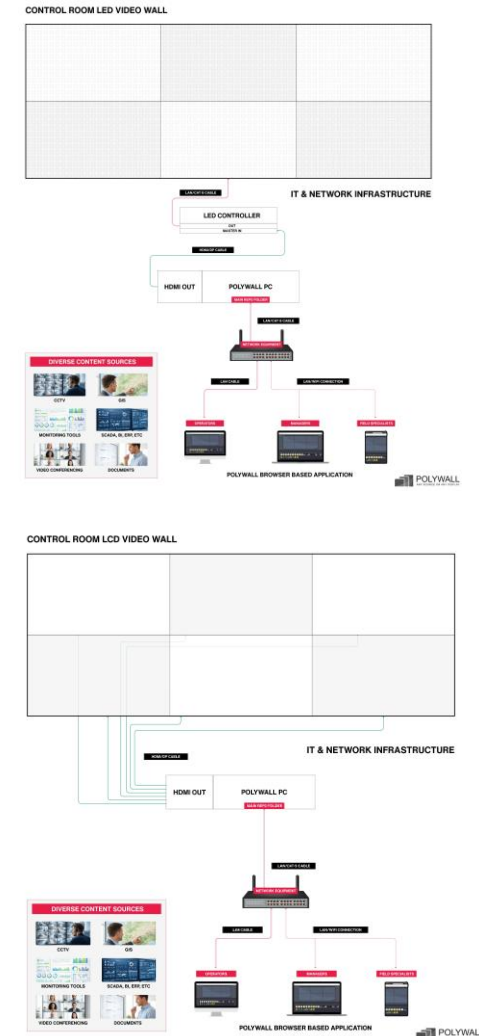
Challenges Polywall Solves

- **Alert overload** — high volume delays real-threat detection
- **Fragmented visual data** — siloed across systems and roles
- **Slow incident response** — manual review lets attackers escalate
- **24/7 monitoring pressure** — always-on strain on staff and systems
- **Access control risks** — uncontrolled access raises exposure
- **Lack of scalability** — can't grow with data and demand

Polywall Architecture for Control Rooms



How Polywall Works



Example : Security Operation Center



Polywall Automation

Full-scale **IoT backend** based on Node.js, with no-code programming

Modules for **all major protocols** – TCP,KNX, MQTT, Modbus, ZIGBEE, OPCUA, etc

Lot of **connectivity options**, wired and wireless - Cat6 cable, RS-232, WiFi, drycontact etc **Managed equipment interaction** – PC health, lights, panel power, cameras, etc

Software integrations – BI, ERP, email, telegram, etc

Scripting – programming custom Polywall/environment behavior, events response etc

Interface builder with lots of options – button, dropdown list, switch, slider, gauge, chart, microphone, decorative etc. Multiple interfaces per project.

Can be running on videowall controller PC (save space) or on dedicated unit (work 24/7).



Lights control



Sound interface



AC/ventilation



Videowall power



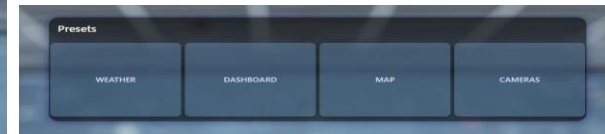
VCS and cameras



Projector/curtains

Build Your Own Interfaces

- Touch interface for browser. Can be operated by ANY device with browser and touch. BYOD or pre-set.
- Voice control interface. Online - via Amazon/Google device - or Offline - via "listen to me" microphone button.
- Easy to customize and decorate



Videowall-to-VR

New exclusive feature, this is first time ever when VR technology comes to **mission critical environment**.

This feature creates **executive- level personal control rooms in VR** with interactive dashboards, camera streams, as well as live streaming from existing Control Rooms – from videowalls and workstations



DISPLAY-over-IP

Polywall Streamer app capture and stream live video from workstations

- Encode up to 4 frames from a single workstation to live AV-over-IP streams. Encoding performed by CPU/GPU of workstation — no encoder hardware device needed.
- Each frame can cover small area of display, whole display, or group of displays (videowall)
- Can stream from VM ware/Hyper-V virtual PC
- Low-latency and high-quality streaming
- Any connection — Cat6 LAN cable or WiFi
- Can exclude the mouse pointer from stream
- Streams auto-detected after start

This is a Unique set of features — cannot be reproduced by hardware-based AV-over-IP systems. Polywall Streamer is an unparalleled Control room project feature and delivers great user experience for NOC, SOC, Operations center and Control rooms.



Videowall managed by Polywall 3.5 control room software

Workstations running Polywall Streamer app

Reach us on polywall.net for more details and DEMO session

APPLICATION-over-IP

Polywall Streamer app can capture and stream application windows:

- Encode up to 4 application windows from a single workstation to live AV-over-IP streams. Encoding performed by CPU/GPU of workstation - no encoder hardware device needed.
- Stream apps running in the background. Workstation user can work in any app while streaming
- Can stream from VM ware/Hyper-V virtual PC
- Low-latency and high-quality streaming
- Workstation can be connected by Cat6 cable or WiFi
- Can exclude the mouse pointer from stream

This is a Unique feature — cannot be reproduced by hardware-based AV-over-IP systems. Polywall Streamer is an unparalleled Control room project feature and delivers great user experience for NOC, SOC, Operations center and Control rooms.



DEVICE-over-IP

Polywall Streamer app capture and stream live video from any video device connected to workstation

- Encode **up to 4 streams** from a single workstation to live AV-over-IP streams. Encoding performed by CPU/GPU of workstation — **no encoder hardware device needed.**
- Each stream contains video from one device — web camera, document camera, USB decoder and **capture card input**
- **Low-latency** and **high-quality** streaming
- Any connection — Cat6 LAN cable or **WiFi**
- Can Include **audio to stream**
- Streams **auto-detected** after start

This is a Unique set of features — cannot be reproduced by hardware-based AV-over-IP systems. Polywall Streamer is an **unparalleled Control room project feature** and delivers great user experience for NOC, SOC, Operations center and Control rooms.

Videowall managed by Polywall 3.5 control room software

Document camera connected via USB

Reach us on polywall.net for more details and DEMO session



PRODUCT SMART POLE

Smart Pole หรือ เสาไฟอัจฉริยะ เป็นหนึ่งในเทคโนโลยีและนวัตกรรมที่ทันสมัย ในยุคของเทคโนโลยีหรือเรียกอีกอย่างหนึ่งว่า เมืองอัจฉริยะ (SMART CITY) ที่ได้นำเอาเทคโนโลยี นวัตกรรม และความคิดสร้างสรรค์ มาผสมผสานสร้างสิ่งใหม่ ให้มีหน้าที่การทำงานที่หลากหลาย ที่สามารถรองรับนวัตกรรมอันทันสมัยได้อย่างไร้ขีดจำกัดและมีประสิทธิภาพ สิ่งเหล่านี้อาจจะไม่ใช่สิ่งสำคัญที่เมืองของเราขาดในตอนนี้ แต่มันหมายถึงศักยภาพที่มากขึ้นของโครงสร้างพื้นฐานเมืองและคุณภาพชีวิตที่ดีมากขึ้นของประชากร



ประโยชน์ที่จะได้รับจากโครงการ

Smart Pole

ภาครัฐ

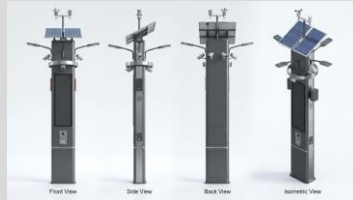
1. ป้องกันการเกิดอาชญากรรมในพื้นที่เสี่ยงสามารถเลือกแสงไฟให้เหมาะสมกับสถานการณ์เช่น สีส้มช่วงเทศกาล สีขาวขณะมีอุบัติเหตุ
2. สามารถแจ้งให้ประชาชนทราบถึงเรื่องอุณหภูมิและความชื้น วัดค่าฝุ่นละออง PM2.5 ตามจุดที่ติดตั้งเสา เพื่อสะดวกต่อการจัดการ
3. ให้บริการประชาชนเพื่อการเข้าถึงอินเทอร์เน็ตทำให้ทราบถึงจำนวนผู้ใช้งาน ความถี่ เพื่อวางแผนพัฒนาเมืองในอนาคต
4. สามารถประชาสัมพันธ์ผ่านระบบภาพและเสียง เช่น เทศบาลงานประจำปี ระเบียบการใช้งาน สถานที่ หรือ สื่อสารเพื่อเตือนภัย เป็นต้น
5. เป็นจุดรับแจ้งเหตุด่วนเหตุร้ายต่างๆ บันทึกเหตุการณ์ นับจำนวนคนผ่านกล้อง วงจรปิด

ภาคประชาชน

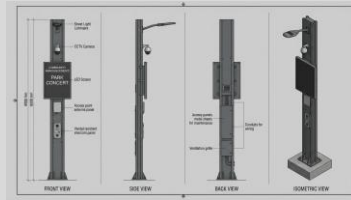
1. เพิ่มความมั่นใจให้กับประชาชน และ นักท่องเที่ยวในการสัญจรใช้เส้นทางในระหว่างเมือง
2. สามารถทราบข้อมูลเรื่องคุณภาพอากาศ เพื่อเตรียมรับมือกับสภาพอากาศเวลานั้น หรือเพื่อแจ้งเหตุให้เทศบาลจัดการได้
3. ประชาชนสามารถเข้าถึงการใช้งานอินเทอร์เน็ตหรือนักท่องเที่ยว ที่อยู่ในระยะสัญญาณส่วนหนึ่งก็เป็นการกระตุ้นเศรษฐกิจในพื้นที่
4. ประชาชนรับทราบข้อมูลข่าวสารที่จำเป็นในบริเวณสถานที่นั้นๆ หรือสภาพจราจรและสภาพอากาศ
5. ประชาชนสามารถแจ้งเหตุ สอบถามข้อมูลข่าวสารหรือติดต่อ สอบถามข้อมูลเพิ่มเติมภายในพื้นที่



MODEL SELECTION



Model 1



Model 2



Model 3



Model 4



Model 5



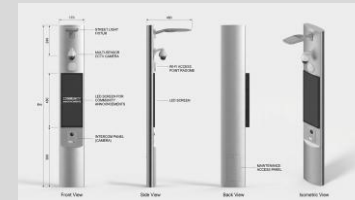
Model 6



Model 7



Model 8



Model 9



Model 10



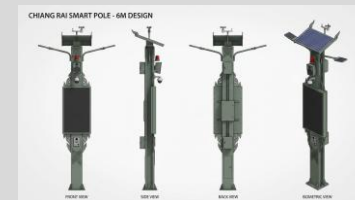
Model 11



Model 12



Model 13



Model 14



Model 15



Model 16



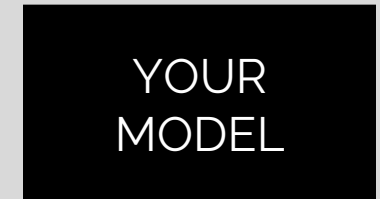
Model 17



Model 18



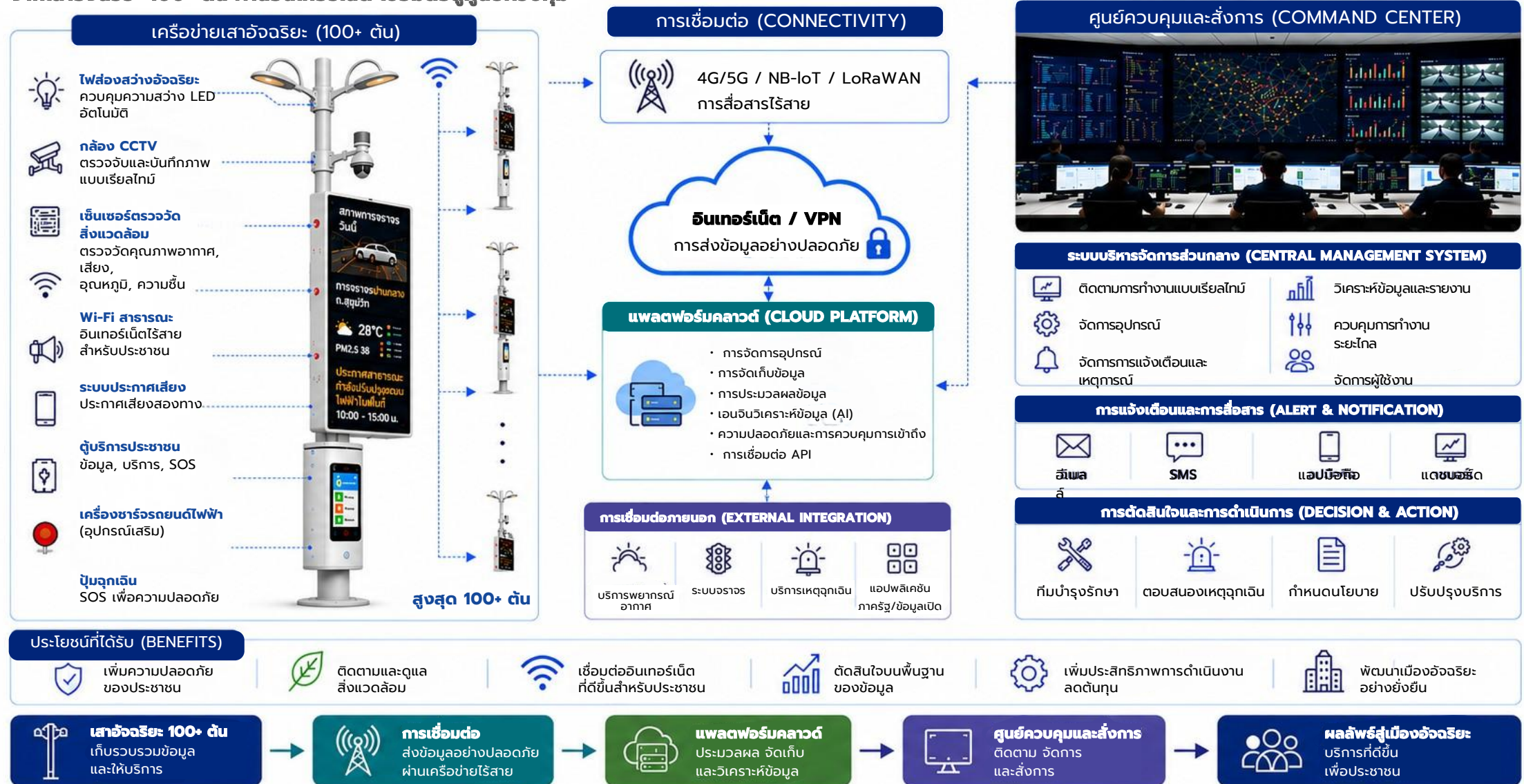
Model 19



YOUR
MODEL

ระบบการทำงานของเสาอัจฉริยะ (SMART POLE)

จากเสาอัจฉริยะ 100+ ต้น ผ่านอินเทอร์เน็ต เชื่อมต่อสู่ศูนย์ควบคุม



SMART CITY MANAGEMENT PLATFORM

MENU NAVIGATION

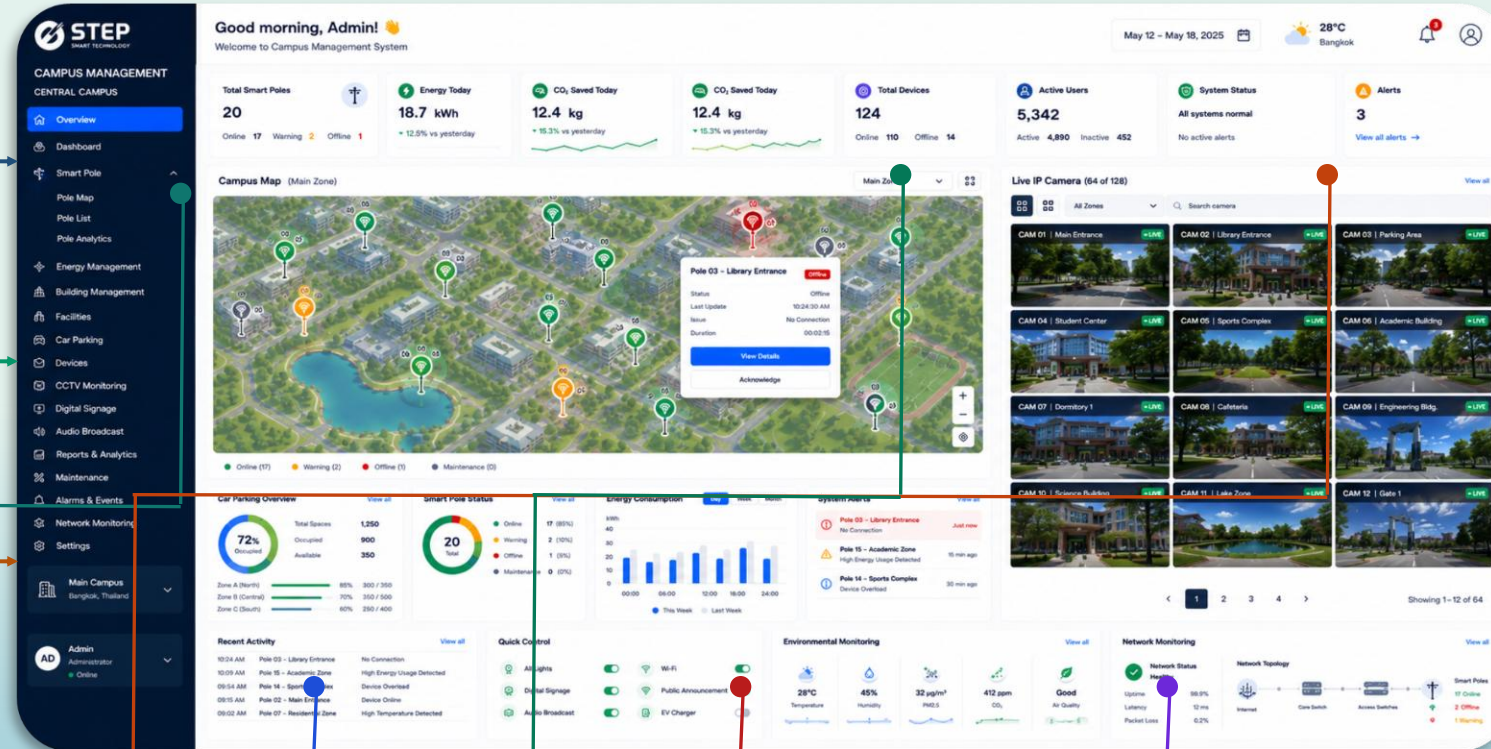
Campus management modules

INTERACTIVE MAP

Real-time pole locations & status

CONTROL WIDGETS

Parking, lighting, signage status



KPI OVERVIEW

Energy, devices, alerts at a glance

LIVE CCTV FEED

Multi-camera surveillance grid

NETWORK HEALTH

Connectivity & alert monitoring

CAMPUS SELECTOR

Switch between sites and floors

REAL-TIME ALERTS

Incident notifications and badges

ENERGY MONITORING

kWh consumption per pole / zone

PARKING STATUS

Live occupancy and availability

EMERGENCY SOS

One-press distress signal handling

DEVICE COMMANDS

Remote restart and config push handling

NTECHLAB: A GLOBAL LEADER IN AI-DRIVEN SOLUTIONS

Next-generation AI technology: for the city, businesses, and every one of us

500K+
Cameras connected
To projects

One of the top
1000 fastest -
growing
companies in
Europe

Best G20 AI
startup

Winner of
international
competitions

Top-ranked algorithms in
the NIST Face Recognition
Vendor Test (FRVT)

Leading global provider of
video analytics systems based
on neural networks



FindFace Multi uses more than 50 unique neural networks to process real-time camera video streams and archive data. All required components are included in the package: a user-friendly web interface, VMS, a desktop application, and BI. The product offers extensive integration capabilities and readymade modules for connecting with access control systems and VMS.

Face recognition

Search databases, determine gender and age, identify emotions, detect masks, and maintains a record file.

Shape detection

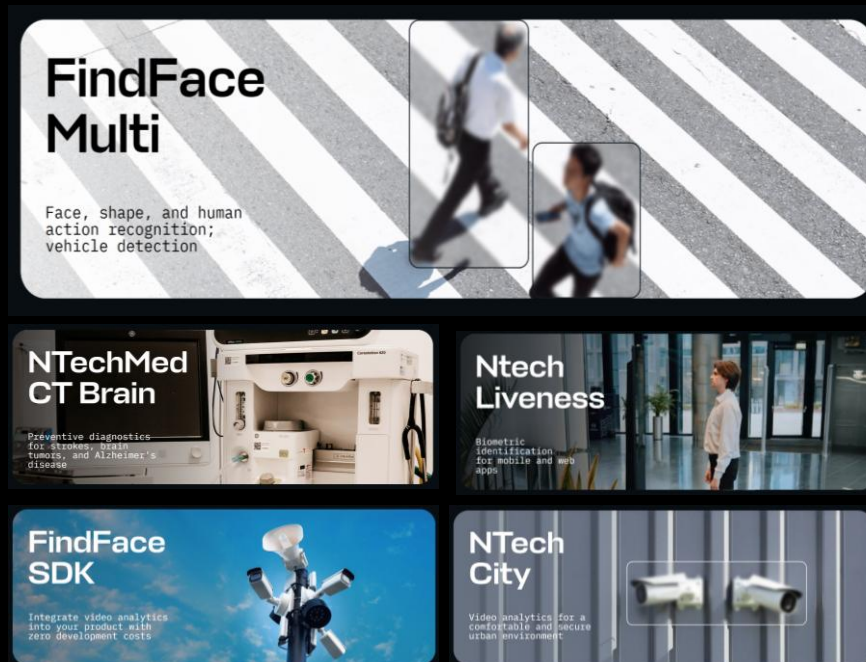
Track movement, distinguish shapes and clothing

Vehicle identification

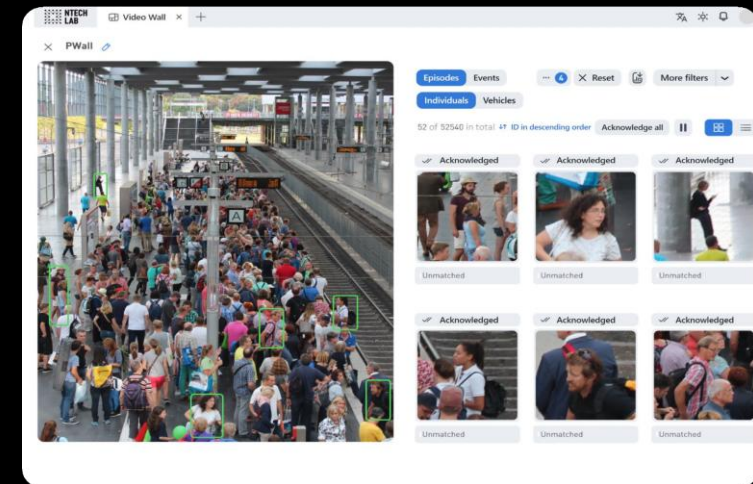
Identify vehicle models, colors, classes, types, and categories

License plate scanning

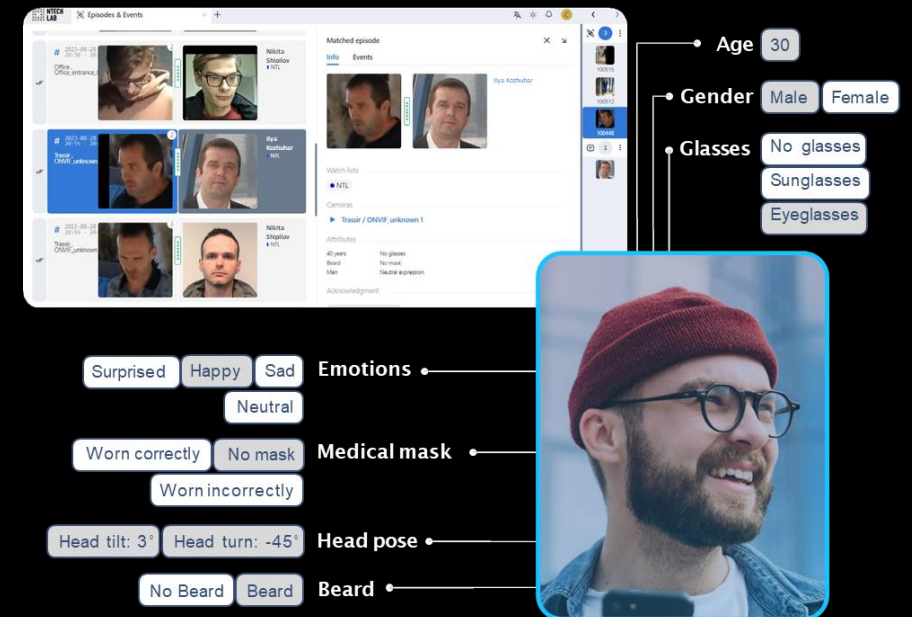
Recognize plates from 26 countries



Multi Face Searching



Face and Body Recognition



FindFace Multi 2.0



EMSTONE develops and manufactures world-class video security equipment that is convenient and reliable. We are doing our best for a safer world based on the technology and experience accumulated over many years. We want to play the role of one HUB by converging various security solutions that are increasing with the development of technology

Smart IP
Wall

3rd Party
Integrati
on

AI
Service

1024CH
/Server

Main Product Line-up

Video Management System

REDBACK VMS Performance Series



Central Monitoring System

CMS Station H



Network Video Recorder

1U B2



2UB8-E



3UB16-E



4UB24-E



Smart IP Wall

EM-NDS-mini-4K



EM-NDS-04-4K



AI Analysis Server

Ai-SERVER-mini



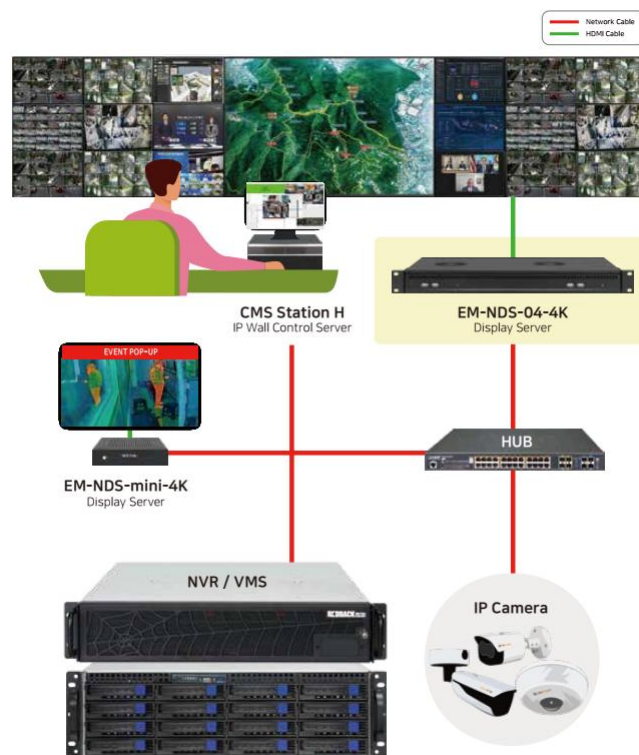
Ai-SERVER-Slim



The largest number of camera protocols from various manufacturers



- ▶ ONVIF / RTSP standard protocol default application
- ▶ Audio, motion, sensor input/output linkage by various manufacturers



It estimates the POSE to determine foot position and triggers events only for people entering the abnormal zone or intrusion detection, the algorithm identifies people and can distinguish between those who are facing the zone and those who have not physically entered it.



It detects safety helmet compliance and triggers events upon non-compliance. This enhances safety regulation adherence and prevents potential accidents in critical industrial environments.



By estimating poses, it detects fighting and assault to trigger events. This enables rapid monitoring of abnormal behavior in high-rise areas and schools, facilitating swift response.



Detects falls by estimating posture (POSE) and triggers events. This aids rapid response by quickly monitoring abnormal behavior in security applications and specific facilities.



Detects intrusion or loitering through object detection and classification, triggering events. By preemptively detecting loitering behavior before intrusion, it enables proactive warning notifications and the application of preemptive control measures.



Queue detection monitors the number of people waiting in a designated area. It triggers an event when the queue length exceeds a set threshold. This is utilized for crowd management and detecting abnormal conditions.



The system uses algorithms to count the number of people in a specific area and analyze crowd density. This is utilized to prevent safety incidents and optimize crowd control at large events and facilities.



The people counting algorithm analyzes the direction of movement of objects within a designated area. It analyzes the number of people entering and exiting the zone to optimize facility operations and manage congestion levels.



We provide an intelligent integrated control solution that detects people, objects through intelligent camera image analysis, and applies an event based on the analysis result to respond immediately.



Even for cameras that do not support AI intelligent video analysis is provided for the corresponding channel video through the interworking of AI BOX and AI SERVER, and an integrated solution is provided through event linkage.

Emergency Call Integration



It is a solution that can be promptly delivered and responded to emergency call system through E-Map video pop-up and warning sound in case of emergency.

Elevator CRT Integration



Integration with the elevator CRT system enables operating information of the elevator to be displayed and saved on the screen, and by supporting search of the operating information of the elevator, the solution improves convenience by reducing the search time and provides accurate video analysis by displaying the intuitive operation information of live / search videos.

Flame / Smoke Detection



This solution detects flame and smoke by analyzing camera images in real time. A wide range of surveillance is possible, and users can quickly check whether there is a fire and respond to it through video in real time.

Thermal imaging Camera Integration



Integrates with various thermal imaging cameras, NVR/MS and IP/ALL systems, as well as external devices like control centers, EV charging stations, and warning lights. This ensures proactive fire prevention and an immediate, initial response to any fire incident.

PRODUCT SMART BUILDING

Smart Building Ecosystem designed to integrate intelligent technology, sustainability, wellness, and digital infrastructure into a unified connected environment. The solution combines Smart Building, Healthy Building, Low-Carbon Building, and Smart Community technologies to create safer, more efficient, and future-ready spaces for modern cities and organizations. At the core of the platform is a centralized digital infrastructure that enables real-time monitoring, automation, analytics, and intelligent decision-making across buildings and urban environments. Through the integration of IoT devices, AI-driven analytics, cloud platforms, and smart energy systems, the ecosystem enhances operational efficiency while improving occupant comfort, safety, and sustainability.



SMART BUILDING APPLICATION



Smart Meeting Room



Room Booking



Room Control



Visitor Management



Smart Lighting



Air Quality + HVAC



Digital Signage



Access Control



Smart Parking



EV Charger



EV Charger



Security

PRODUCT SMART BUILDING

Unified Campus Management Platform

Monitor every building, energy stream, security feed, and facility from a single dashboard. Get real-time KPIs on total buildings, active users, system status, and recent alerts — with an interactive campus map that lets operators drill down from site-wide view to individual rooms in seconds.

Real-Time Energy & Cost Analytics

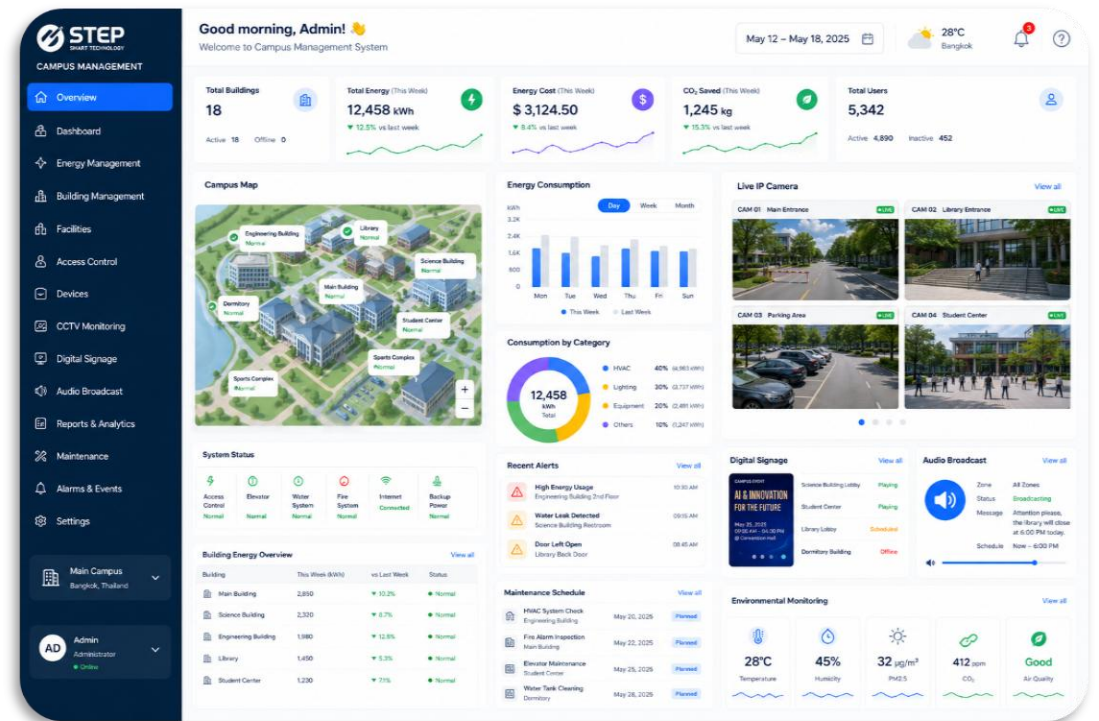
Track weekly kWh consumption, operating cost, and CO₂ savings across the entire campus. Category breakdowns by lighting, HVAC, and equipment reveal exactly where energy is going, while building-level overviews help benchmark performance and prioritize efficiency upgrades that cut costs.

Integrated Security & Facility Control

Live IP cameras, access control, digital signage, and audio broadcast are unified in one interface — no more juggling separate vendor systems. Centralized alarms & events surface incidents instantly, and role-based controls let teams respond from anywhere on any device.

Smart Maintenance & Environmental Monitoring

Automated maintenance scheduling keeps every asset on track, while environmental sensors monitor temperature, humidity, and air quality in real time. Detailed reports & analytics turn building data into actionable insight — improving occupant comfort, safety, and long-term reliability.



PRODUCT IOT

The EDS-IOT Product Series is an industrial IoT solution designed for smart automation, real-time monitoring, and remote control applications. Featuring industrial-grade hardware, relay control, Ethernet and wireless connectivity, the platform enables seamless integration with smart factory, building automation, energy management, telecommunications, and smart city systems. EDS-IOT helps organizations improve operational efficiency, optimize energy usage, reduce downtime, and accelerate digital transformation through reliable IoT connectivity and intelligent automation.

Key Features

- Real-time monitoring and remote control
- Industrial-grade relay and I/O interfaces
- Ethernet and wireless communication support
- Energy monitoring and smart power management
- IoT cloud and platform integration
- Smart automation and predictive maintenance
- Compact and reliable industrial design
- Flexible integration with third-party systems

Typical Applications

- Smart Factory
- Smart Building
- Smart City
- Telecommunications
- Energy Management
- Environmental Monitoring
- Digital Signage
- Utilities and Infrastructure
- Remote Site Monitoring
- Industrial Automation Systems

Dashboard Integration



Smart Pole



Traffic



Energy



Weather

50+
Projects



IOT



IOT-Micro The STEP Compact IoT Control Module is a versatile embedded automation controller designed for wireless monitoring and intelligent device control. Featuring integrated IoT communication capability, industrial I/O interfaces, and relay control functionality, it enables seamless integration into smart building, industrial automation, and remote monitoring applications.



IOT-Board Industrial IoT Controller is a compact Ethernet-enabled automation controller designed for industrial monitoring and smart IoT applications. Featuring industrial-grade I/O interfaces, LAN connectivity, and flexible system integration capabilities, it provides reliable real-time control and data communication for factories, buildings, utilities, and intelligent infrastructure systems.



IOT-R4 The STEP 4CH Relay Board is a compact industrial IoT relay controller designed for real-time monitoring and remote automation. Featuring 4 relay outputs, industrial-grade terminal interfaces, and flexible system integration capabilities, it is ideal for smart factory, building automation, energy management, and IoT control applications.



IOT-POWER The STEP Industrial IoT Power Controller is an intelligent remote power management device designed for industrial automation and smart energy applications. Equipped with wireless connectivity, universal AC outlets, and real-time monitoring capabilities, it enables remote equipment control, energy optimization, and seamless integration into IoT and smart facility management systems.

Skyworth Group Aims for the Goals from Smart Appliances to Carbon Peaking and Carbon Neutrality

Skyworth zero-carbon smart life/home solutions



Zero-carbon smart home solutions based on solar PV energy ecosystem, providing users with a zero-carbon smart life across the ecosystem integrated with Skyworth digital technology and smart home appliance solutions.

www-step-solutions.com

1 Skyworth TV

2 Coocaa IoT platform

3 Skyworth set-top box

4 Skyworth access system

5 Skyworth refrigerators

6 Skyworth washing machines

7 Skyworth air-conditioners

8 Skyworth kitchen appliance

9 PV power generation

10 Skyworth energy storage system

11 Charging station system

12 New energy vehicles

New energy

Residential distributed photovoltaic | Industrial and commercial photovoltaic
Smart energy management

SOLAR/EV

Independently developed the "Automatic Design System for Photovoltaic Power Station" and the "Intelligent Operation and Maintenance System", fully realizing digital design and real-time management

Applying the "PV + Inclusive + Digital Technology" business model, the business covers more than 20 provinces in China, involving residential / industrial and commercial business, energy storage business, R&D and design, smart manufacturing of PV products, intelligent operation and maintenance, logistics, overseas market, etc.

2023 Carbon Neutral Model Enterprise / 2023 National Outstanding Enterprise in Rural Revitalization

