



3S SYSTEM TECH. INC.



2024

AI & VIDEO MANAGEMENT SOFTWARE

Superior Performance from Taiwan

Leadership manufacturing advantages & customized service !





3S SYSTEM TECH. INC. PIONEERS IN GLOBAL SECURITY SURVEILLANCE

As a leading provider of physical security solutions, we have crafted success stories worldwide.

With over 17 years dedication in design and research and development (R&D) experiences, we provide exceptional smart security surveillance products, cutting-edge AI intelligent video analysis, and advanced smart video management software and systems. Our products hold certifications from international institutions, and our commitment to a high-quality and stable supply chain ensures reliability. All 3S colleagues are committed to upholding product quality and prioritizing our clients. We provide 24-hour services to meet the diverse demands and expectations of customers worldwide.



3S ACHIEVEMENT

AWARD of GSA

An honorable recognition as a trusted partner.



A Trusted Partner of the U.S. Federal Government!

Contract Number : 47QTCA24D0011



The General Services Administration (GSA) achieves the goal of assisting federal government institutions in purchasing products and services. GSA Contracts comply with all applicable procurement regulations. We are honored to be one of the qualified suppliers listed on GSA eLibrary. (www.gsaelibrary.gsa.gov)

Operating with excellence, 3S System Technology Inc. ensures that all manufactured products fully comply with the requirements of TAA and NDAA. Embracing the belief in "Made in Taiwan," our products adhere to ISO 9001, ISO 27001, and IoT certification standards, eliminating any concerns about product quality and information security for our customers. We uphold the highest standards in supply chain quality, meeting the needs and expectations of both customers and government agencies.

***For a comprehensive view of our high-quality products, visit GSA Advantage, the federal procurement service website (www.gsaadvantage.gov).



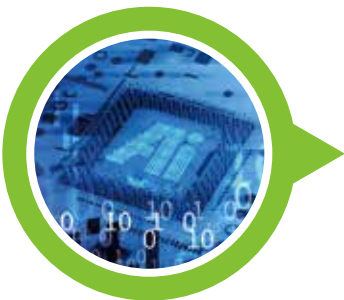
WHY 3S ?

LEADING IN MANUFACTURING ADVANCED TECHNOLOGY AND CUSTOMIZED SERVICE



01. Trustworthy Collaborative Partnerships

We prioritize the needs of end customers and partners by focusing on every project detail. Through our sincere efforts and dedicated services, we have earned the trust of customers and partners, establishing stronger and more meaningful collaborations.



02. Outstanding Core Technology

The exceptional R&D team of 3S has developed AI intelligent video analysis technology as well as excellent software and hardware to meet all kinds of customers' needs.



03. Reliable Manufacturing Excellences

Leveraging advanced equipment, standardized processes, extensive manufacturing experience, and comprehensive supply chains, 3S is well-equipped to provide customized products and software solutions to our customers.



04. Patents and International Certifications

3S products have received numerous certifications from domestic and international institutions, including new patent certification, ISO 9001 : 2015 quality management system, ISO IEC 27001 : 2013 information security management system, and IoT cyber security certificate in Taiwan, etc.

Achieve Our Goals, Shine Our Partners !

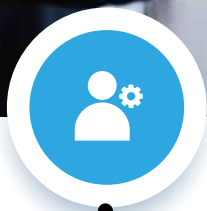
01

TRUSTWORTHY COLLABORATIVE PARTNERSHIPS

Integrity and honesty are the core of 3S business philosophy. We prioritize the needs of end customers and partners worldwide. 3S is dedicated to offering intelligent security surveillance products, diverse system integration, and an automatic management platform with a range of robust functions.

Our approach goes beyond merely addressing customer needs; we guarantee a professional commitment to every project, focusing on details from inception to execution. This meticulous attention is our key to earning trust and favor from our valued partners.

We continuously fulfill customers' expectations and provide professional services in the future. In addition, we also expect to establish long-term cooperation with partners in various areas and make good relationships with our clients around the world.



CLIENTS

We build security & intuitive GUI.



PARTNERS

We respect our partners.



3S

We provide high quality & affordable price.



Create a perfect win-win-win solution for clients, partners, and 3S.

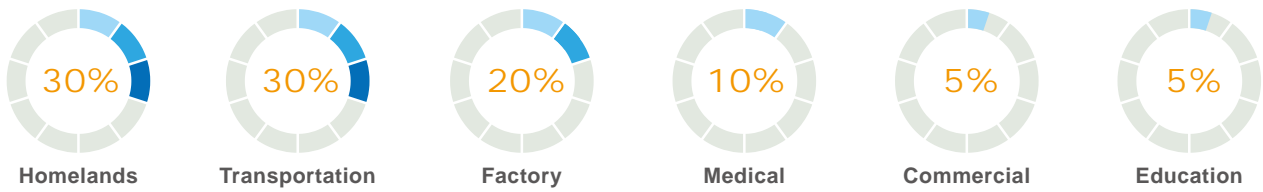
Our Successful Cases

Based in Taiwan, Global Presence !

Our mission is to deliver a diverse range of video surveillance devices and comprehensive physical security solutions. We are dedicated to ongoing pursuits in software design, system integration planning, and innovative high-tech solutions to meet customer expectations.



Over 100,000 Users Globally



Homelands

- Military Camp
- Border Protection
- Police Unit
- Public Institutions



Transportation

- Railway / MRT
- Road
- Parking
- Airport / Port
- City Surveillance
- Fleet Safety



Factory

- Semiconductor
- Oil & Gas
- Warehouse & Logistics
- Manufacturing



Medical

- Medical Institutions
- Long-Term Care Institution



Commercial

- Resorts
- Casinos & Gaming
- Bank & Finance Institutions
- Retail & Department Store
- Restaurant & Bar
- Stadium & Museum
- Various Facilities



Education

- Campus



02

OUTSTANDING CORE TECHNOLOGY

As a pioneer of global image-processing technology, 3S has world-leading AI intelligent video analysis technology, especially excellent image recognition and detection. We also offer a smart management platform to integrate the diverse system.



Intelligent Analysis Technology

AI Analysis Technology Expert

+



Original Design Technology

Customerized Product Designer

+



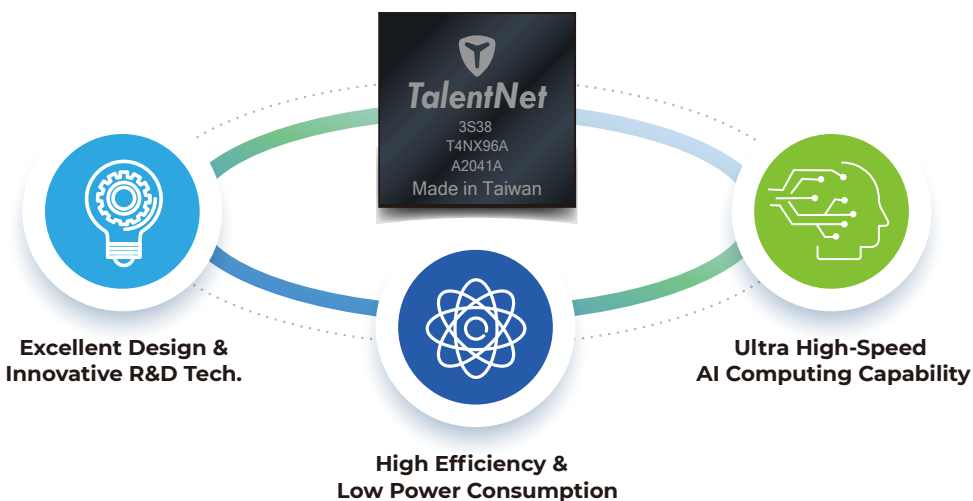
Professional Manufacturing Technology

High-tech. Product Manufacturer

THE MOST POWERFUL CHIPS FROM TAIWAN

Our self-developed TalentNet chip highlights an innovative architecture designed for accelerated processing

3S network products feature cutting-edge AI SoC chips, a collaborative effort between Taiwan IC Intellectual Property Company and 3S. Leveraging TSMC's advanced fabrication technology, we ensure high computing efficiency and ultra AI processing, to showcase our technological capabilities.



03

RELIABLE MANUFACTURING EXCELLENCES

Equipped with the most advanced production equipment, we follow a strict standard production process to manufacture our diverse range of products. We are dedicated to maintaining high-quality assurance and stable production capacity to exceed our customers' expectations.









3S Solid Capability

- ✓ High Technology
- ✓ High Quality
- ✓ High Specification



3S Production Capacity

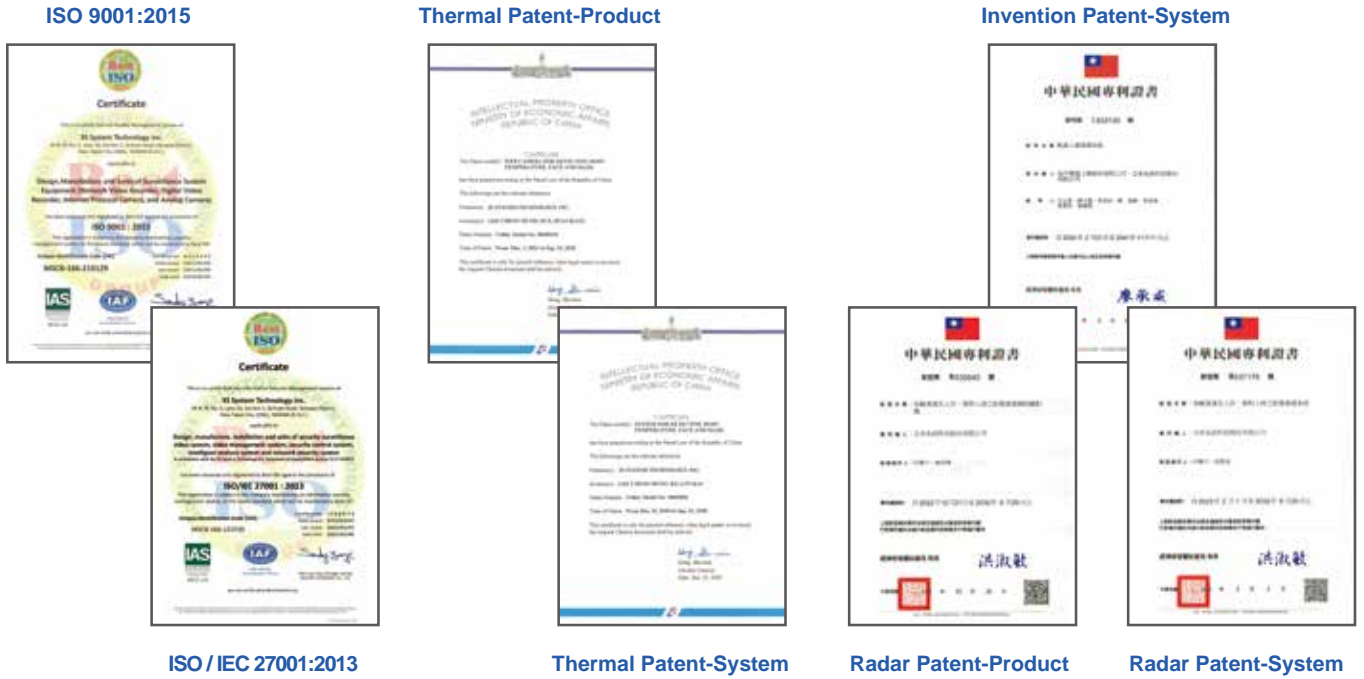
3S supports NDAA compliance across all product lines.

 <p>Network Camera</p> <p>60K (Month)</p>  <p>Professional Equipment</p>	 <p>Speed Dome Camera</p> <p>10K (Month)</p>  <p>Standardized Production Process</p>	 <p>Video Recorder</p> <p>30K (Month)</p>  <p>Excellent Process Efficiency</p>	 <p>Server NVR</p> <p>1.5K (Month)</p>  <p>Best Quality Assurance</p>
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04

PATENTS AND INTERNATIONAL CERTIFICATIONS

Our outstanding smart security surveillance products and systems have earned numerous certificates from both domestic and international institutions.



TAIWAN'S IoT CYBERSECURITY CERTIFICATE

This certificate is based on the level of risk, and the complexity of cybersecurity protection technology. These products with this certificate represent protection information security well, guarding the personal safety and properties even the national safety and properties. Our network cameras align with the security specifications outlined in the Internet of Things (IoT) security testing and verification standards, and design the relevant protection mechanism to prevent cyber threats or attacks.



Your Best Choice!



AI IMAGE RECOGNITION MAKES SURVEILLANCE SMARTER, MORE ACCURATE AND EFFICIENT !

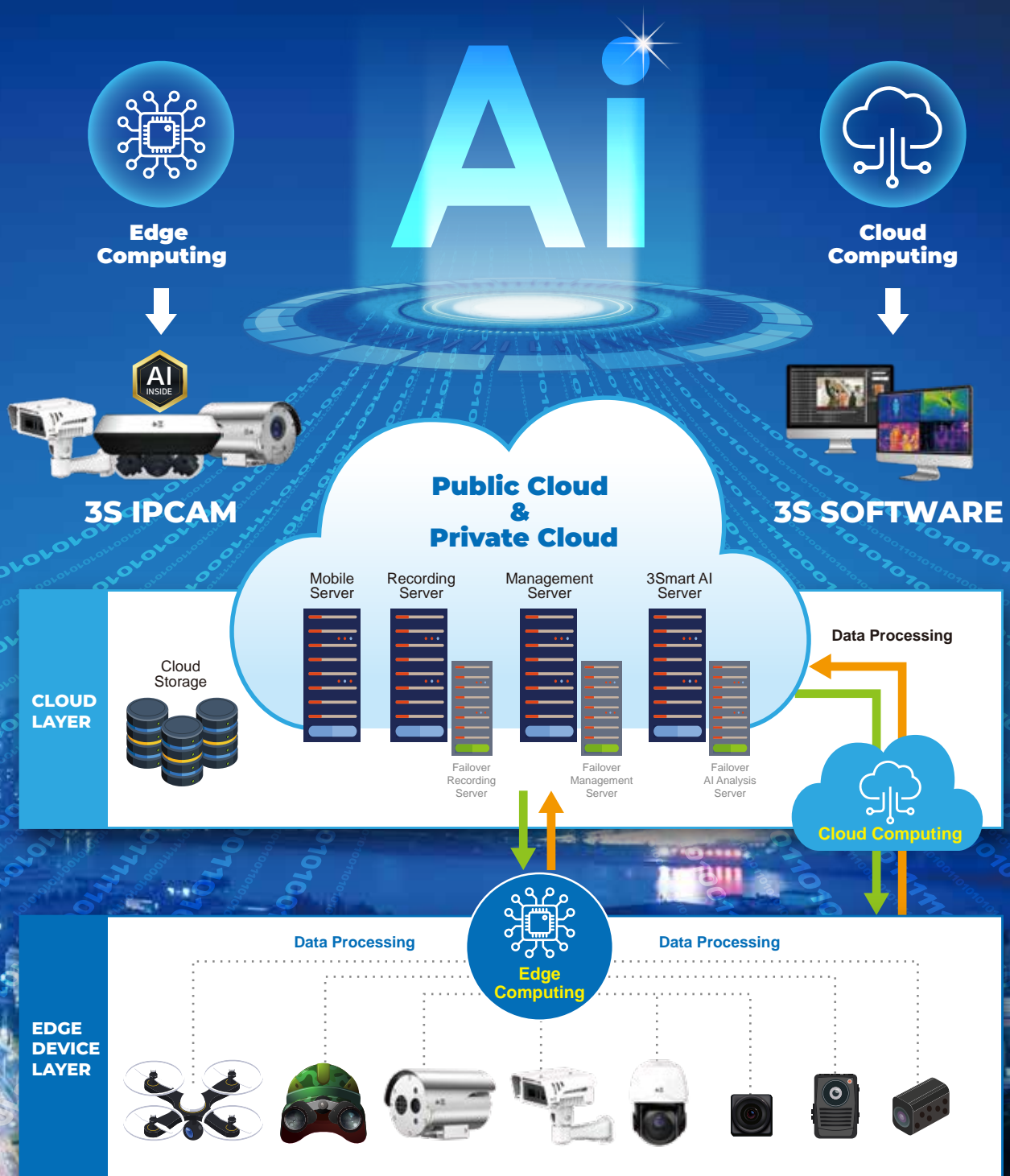




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SERVER & WORKSATION



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AI & VIDEO MANAGEMENT SOFTWARE



- 01. **Recording**
- 02. **Management Platform**
- 03. **Streaming Management**
- 04. **AI-Power Video Analysis**
- 05. **Web & Mobile Client Viewing**
- 06. **PC Client Viewing**
- 07. **Integration Platform**

3S AI & VMS SOFTWARE CUSTOMIZABLE FOR YOU !

New Generation!



PC Client

Only a click to install, it is easy to monitor single-site or multi-site.



Web Viewer

Intuitive interface and support all common browsers to view.



Mobile Client

Live view and playback video from wherever you are.

3S VMS Key Features

**Apply to various market demands,
making the management with great facility.**



Intuitiveness

The interface of software is user-friendly, which is combined with simplified operation process and intuitive GUI design that gives all users the ability to complete settings quickly.



Compatibility

3S IP cameras conforms to ONVIF international product standard agreement and easily integrate with various system.



Reliability

In order to meet intelligent monitoring, 3S strictly required that products and software can run stably under different environments to realize powerful automation management and obtain the highest work efficiency.



Flexibility

Rich & advanced management softwares give users an easy way to customize layouts and configuration within a short time and make the management easier.



Portability

Supports remote live view and it is no need to start at the screen. The system and device status can be known all time by means of the network connection to the computer or mobile device.

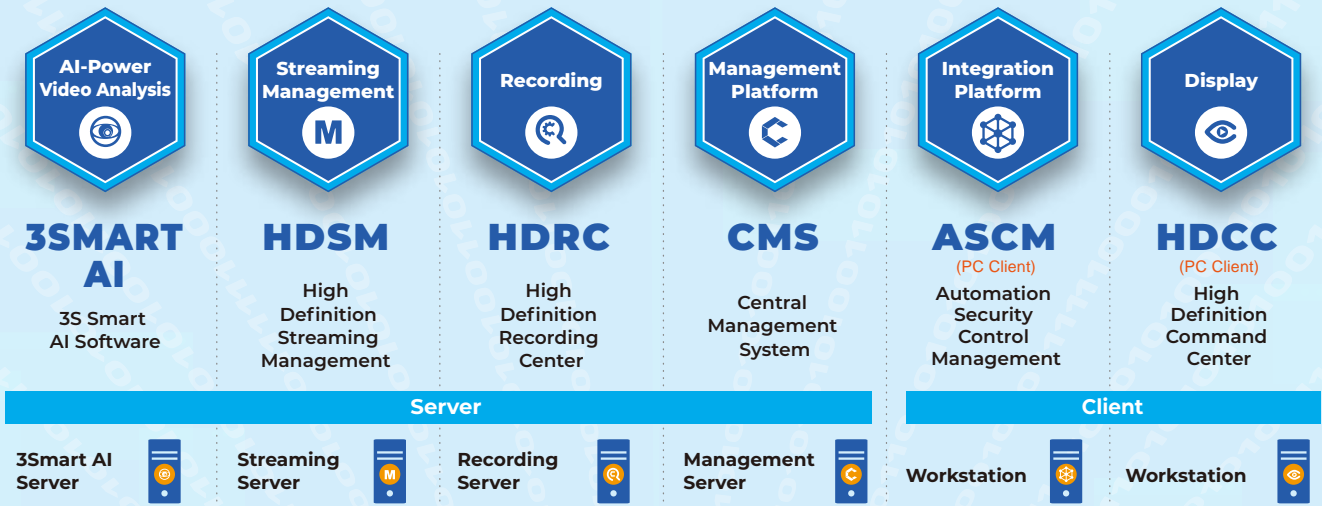


Scalability

It can flexibly expand the quantity of smart monitoring devices according to different fields. At the same time, it can also be used with powerful and stable intelligent management software to improve the operation efficiency.

3S COMPREHENSIVE AI & VMS SOLUTION

Designed for Users, Beyond Your Expectation !



ONVIF® | S M



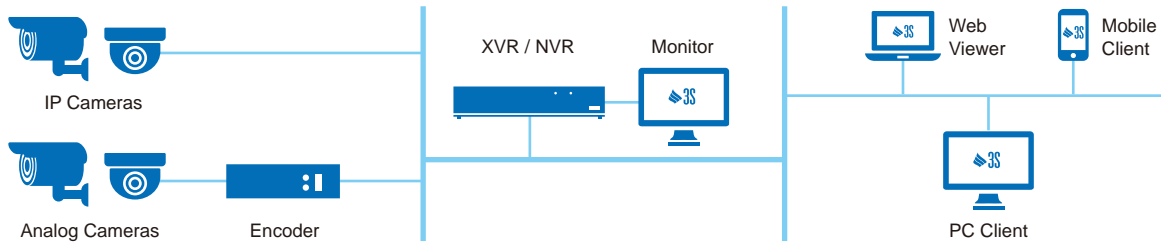
3S AI & VMS ARCHITECTURE

Users can select video management platform according to the size of the application field and scale of the system architecture. We can support customers to choose optimal VMS software to meet their needs.

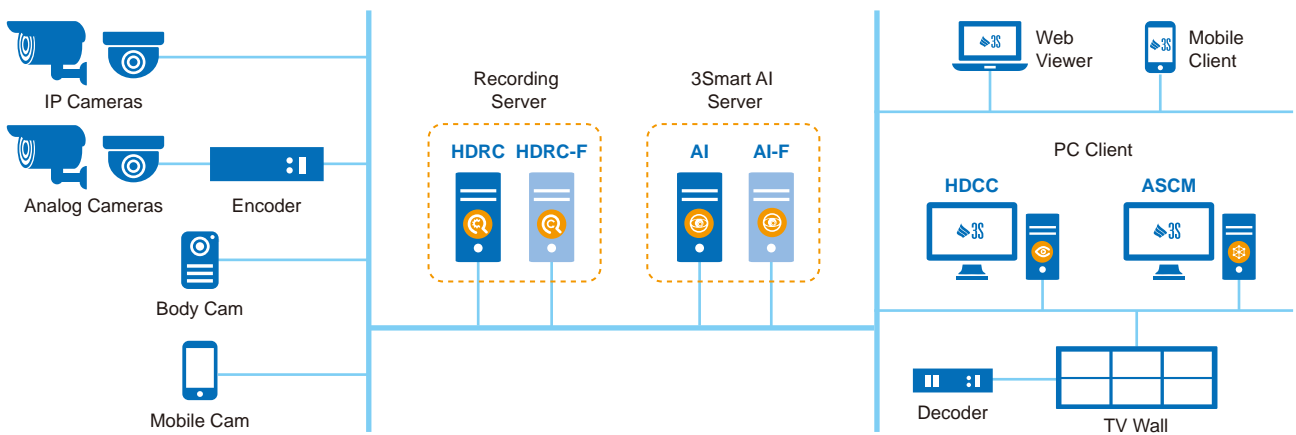


Flexible Deployment, High Scalability — Our Architecture Empowers Your Growth.

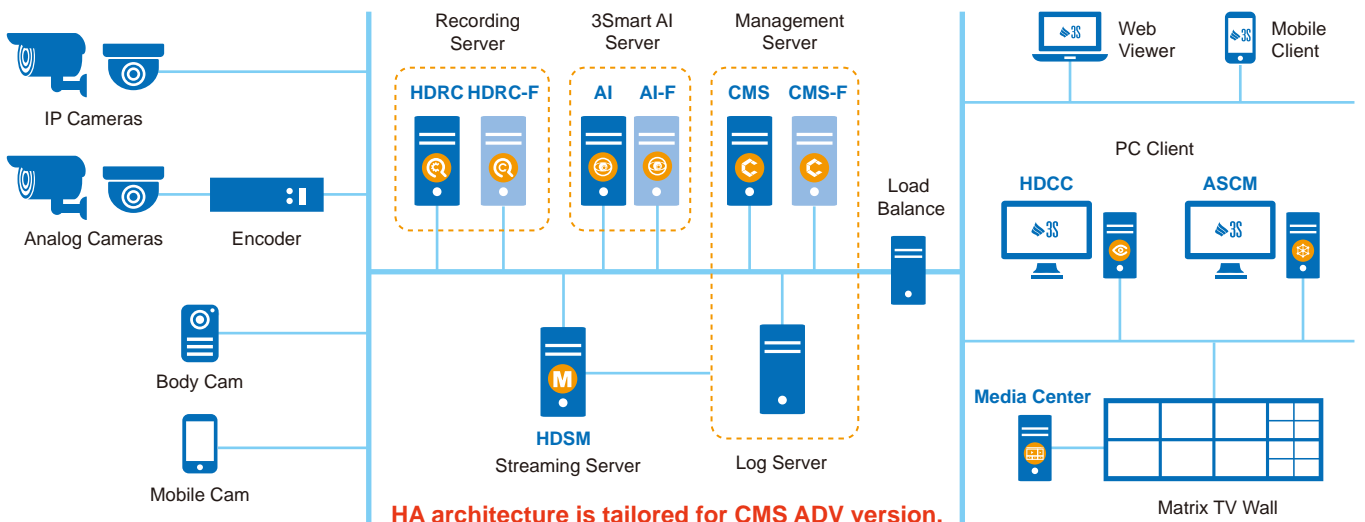
Small Size Designed for smaller and single-site



Medium Size Designed for mid-sized and large-scale



Large Size Designed for large-scale and largest-sized



01

RECORDING

HDRC - HIGH DEFINITION RECORDING CENTER

HDRC is the superior high definition video recording software. It features an intuitive interface and flexible video recording functions that can improve the efficiency of video recording storage. In addition, HDRC not only provides backup mechanisms to ensure uninterrupted video recording, but also offers a variety of expandable capability options to address unlimited video storage.

Key Features



Multiple Video Recording Modes



Powerful Management Structure



User Authorization Management



Data Backup Mechanism



Efficiency Improvement



Flexible Scalability

Introduction

SUPERIOR RECORDING

Best Solution for High-Capacity Video Recording & Stable Storage.



HDRC ^{STD}
32 CH

HDRC ^{PRO}
64 CH

HDRC ^{ADV}
128 CH

Failover Support



HDRC-F Optional
HD Recording Center - Failover

- For HDRC host server failover
- Support video recording backup of multiple servers
- Support failure recovery
- Support recovery speed configuration

Redundant Mechanism



HDRC-R Optional
HD Recording Center - Redundant

- Synchronize with HDRC host server
- Support simultaneous video backup of multiple servers
- Support main / sub stream backup

HIGH-QUALITY VIDEO RECORDING FUNCTION AND GRAPHICAL USER INTERFACE(GUI) EXACTLY MEET YOURS.

HDRC can support multiple video recording modes, playback, schedule management, and alarm triggers. Whether you are a beginner or not, the intuitive interface is easy to understand and helps users save a significant amount of time when managing extensive video recordings.



Intuitive User Interface

The intuitive interface and excellent file organization structure enable users to quickly complete management settings.



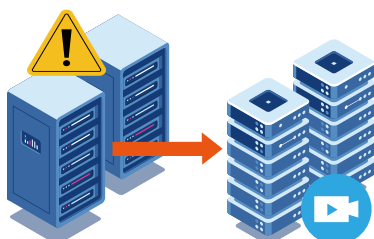
User Authorization Management

The authorization management for each user account can be customized in the system.



Flexible Scalability

The excellent storage expansion function can be utilized seamlessly with a video streaming server, RAID, or IP-SAN to meet the demands of long-term video recording.



Excellent Backup Mechanism

When the main video server fails or is damaged, the backup server starts backing up within 1 minute and then automatically takes over all system functions, ensuring uninterrupted data protection in the event of failure or hardware damage.

Specifications



Software	HDRC		
Version	STD	PRO	ADV
Camera Access Channels	32CH	64CH	128CH
Support Number of Clients	2	5	128
Support OS	Windows 7, Windows 8 , Windows 10 , Windows Server 2019		
Language	Traditional Chinese, Simplified Chinese, English, French and Dutch.		
Video Resolution	Up to 12M, 4K, 2K		
Video Compression	H.265, H.264, MPEG-4, MJPEG		
User Management	Unlimited users and groups and support customized group authorities.		
ONVIF Cameras	3S, ONVIF & RTSP Streaming		
Audio Format / Capability	G.711U, G.711A, G.726 / Two-Way Audio		
Recording Mode	General full-time, General weekday, General holiday, Event full-time, Event weekday and Event holiday video.		
Snapshot / Export File	JPEG / AVI, MP4 & MKV, Support Waterfram, can played by Windows Media Player/VLC		
Support Mobile App	3VMS (iOS / Android)		
Alarm Management	System: Startup, Shutdown, Time, Time period, Add new channel, Remove channel, Modify channel, Time sync failed, Saving path changed, Run out Camera: Connected, Disconnected, Start record, Stop record, Motion detection, Object detection, Hardware detection, PIR alarm, SD Card alarm, Smart line crossing detection, Smart double line crossing detection , Smart area detection, Human detection		

Recommended

Intel NVR Server (Equipped with HDRC)



Intel NVR servers are equipped with HDRC software, providing powerful recording capabilities to meet high-performance operational demands.



*** For more detailed specifications, please refer to page 34 of this catalog.

Recommended

JBODs (Expansion Enclosure for Storage Servers)



Abundant specifications of JBODs can be choose and can easily realize to expand for rackmount storage.



*** For more detailed specifications, please refer to page 34 of this catalog.

02

MANAGEMENT PLATFORM CMS - CENTRAL MANAGEMENT SYSTEM

CMS is a centralized management platform that consolidates the identity, authentication, and access permissions of all systems into a unified platform. It assists users in managing account credentials and permissions, ensuring the specific information is accessed only by authenticated individuals. Additionally, it allows users to review operation logs, receive real-time messages, manage mobile accounts, and manage TV wall.

Key Features



Design for Users



Centralized Management



Intuitive Layout



Improve Efficiency



Authority Management

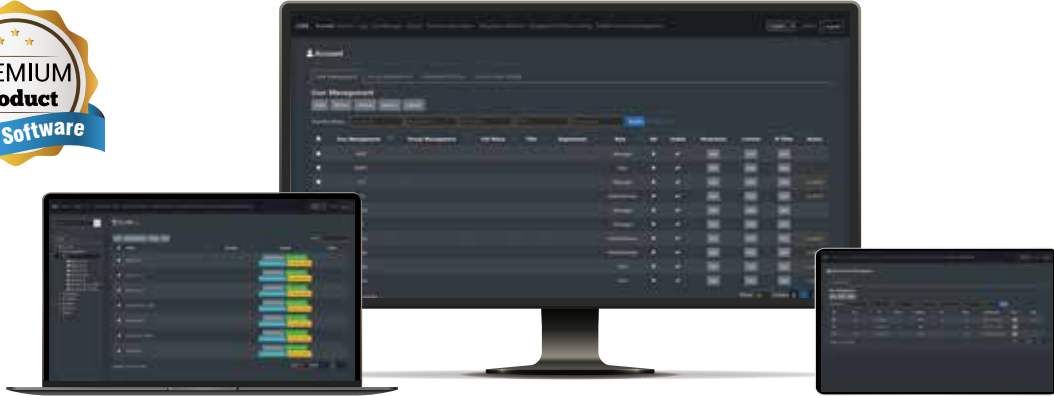


Status of Recording

Introduction

CENTRALIZED MANAGEMENT PLATFORM

CMS supports administrators to realize centralized management.

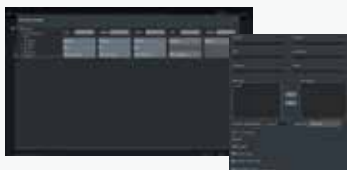


CMS STD

CMS PRO

CMS ADV

Central Authorization Management



Super administrator can establish multiple user accounts and groups different usage and viewing authority by levels, enabling efficient integration and management.

Monitoring Host Health



With a user-friendly User Interface for you to monitor and analyze the status of each host. The operation history and the relevant information can be exported as line charts and pie charts. When detecting any abnormal status, it would alert users to take prevention measures for potential defects.



**HIGH EFFICIENCY, EASY TO USE
AND DEEPLY APPLIED IN VARIOUS INDUSTRIES.**



Clear Layout & Highly Refined GUI

New stylized user interface, obvious buttons and list-style menu design create user-friendly experience and efficient management for administrators.



Authorization Management

CMS is a robust management platform that enables administrators to remotely access and manage multiple sites and locations. Super administrator can establish multiple user accounts and groups who have different use and viewing authority by levels. Each account has their own credentials for accessing CMS.



View Operation Records Clearly

As long as a user login, the system will fully record the user's operations on the platform, and relevant account information can be accessed at any time.



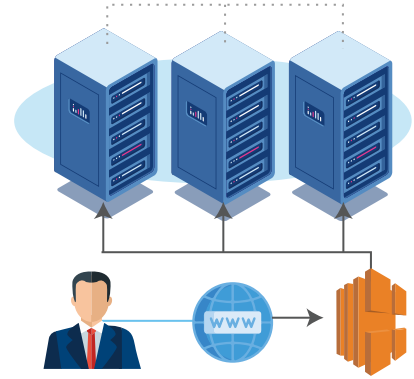
Visual E-map

The visual range of the camera can be marked on the e-map according to the position and illumination angle of each camera, allowing administrators to know the monitoring area of each camera.



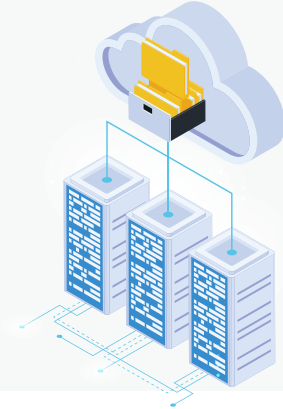
Reliable Backup System

Optimizing resource utilization through a single entry point for distributing and managing the workload across multiple servers. The load balancing principle is employed to achieve optimal resource utilization. Additionally, the backend servers are mutually redundant, safeguarding data from potential damage or disruption caused by abnormal server states



Cloud-Based Storage and Management

You have the flexibility to select from a range of storage options that cater to your specific requirements. CMS stands out for its adaptability, granting users the liberty to opt for either local or cloud-based storage, ensuring versatility without limitations.



Specifications



**MANAGEMENT
PLATFORM
CMS**



Software	CMS		
Version	STD	PRO (+ Log Server)	ADV (+ Log Server & CMS Portal)
User settings	V	V	V
AD user settings	V	V	V
Authority settings	V	V	V
Group settings	V	V	V
Watermark settings	V	V	V
Account Rules Settings	V	V	V
Device Management	V	V	V
Operation message	V	V	V
User Current View	V	V	V
System information	V	V	V
Third-Party integration	V	V	V
Mobile User Setting	V	V	V
Dashboard	-	V	V
Event Log	-	V	V
Load Balance	-	-	V

03

STREAMING MANAGEMENT

HDSM - HIGH DEFINITION STREAMING MANAGEMENT

HDSM can effectively integrate the huge video files of the smart security surveillance products, transmit the video to clients stably and quickly, and reduce the video transmission flow of HDRC. In addition, it supports flexible group authorization management for live viewing and playback.

Key Features



Support Unlimited Users Login



User Permission Management



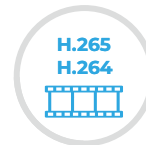
Unlimited Video & Audio Streaming



Multiple Client Live-view



Support 256 Video Streaming simultaneously



Support H.265 / H.264 Video Encoding

Introduction

POWERFUL STREAMING

Excellent Video Streaming Management Experience!

The system can display real-time information from server, camera, user connection status, and network traffic, allowing administrators to monitor them.



STREAMING MANAGEMENT HDSM



Software	HDSM
Auto Wizard	Plug & Play Auto Setup
Max. Number of Servers	Unlimited
Support OS	Windows 7, Windows 10
Network Architecture	Decentralized architecture and TCP / IP protocol suitable for all environments
Remote Live View & Playback	Supports up to 256 remote live view and playback simultaneously
User	Support unlimited users to login in simultaneous
Groups	Unlimited Groups and supports customized group authorities
Functions	LiveView, Playback and PTZ setting
Video Format	H.265, H.264, MPEG-4, MJPEG
Video Resolution	Support up to 12M, 4K, 2K

Recommended

Streaming Server (Equipped with HDSM)



Streaming servers are equipped with HDSM software, enabling real-time data transmission, ensuring a fast, on-the-fly streaming experience without requiring complete downloads.

*** For more detailed specifications, please refer to page 36 of this catalog.



L20011

Connection x2

L20041

Connection x4

L40041

Connection x6

04

AI-POWER VIDEO ANALYSIS 3SMART AI

The video analysis of 3S AI-powered uses edge and cloud computing to transform real-world video into practicable information that is analyzable, customized, and reliable. Its extraordinary calculation speed identifies the scene and spatial behavior of the objects immediately, ignoring irrelevant sources of unwanted events to eliminate human error consequently. Smart AI brings a greater ability to extract insights from video data, which ultimately allows businesses to improve operations, efficiency and security.

Key Features



Ensure 24/7
Constant
Awareness



Swift & Efficient
Investigative
Processes



Precision
Surveillance
Insights



Adaptable
and Scalable
VMS



Smart Learning
and
High Recognition



Rapid Visual
Alert
Interface

Introduction

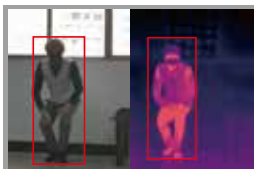
INTEGRATE AI SOLUTION

Excellent AI Intelligent Video Analysis & Thermal Image Sensing Technology



Thermal Image Detection & Recognition

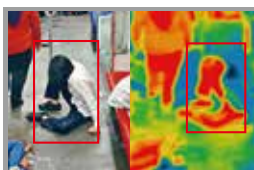
Human Recognition



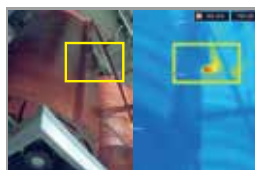
Environment Fire Detection



Human Behavior Recognition



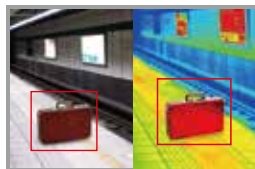
Industrial Temp. Recognition



Body Temp. & Mask Recognition



Object Status Detection



Optical Image Detection & Recognition

Abnormal Face Detection



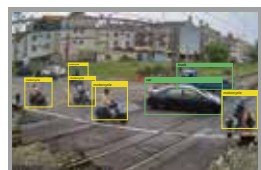
Smart Face Search



License Plate Recognition



Vehicle Detection & Classification



Rail / Road Obstacles Detection



Illegal Parking & Illegal Turn





Disaster Warning Management
Environmental / Industrial Temperature Detection

Integrating visible light and thermal imaging enhances vigilance in high-risk areas, such as those with fire or electrical hazards, providing advanced warnings for collapses and fires.



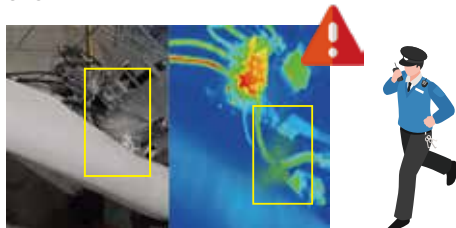
Perimeter Protection Management
People & Object intrusion Detection

For large-scale perimeter management, it learns to recognize people, objects, obstacles, etc. Detects events and instantly sends alerts to the management platform or mobile app, ensuring safety.



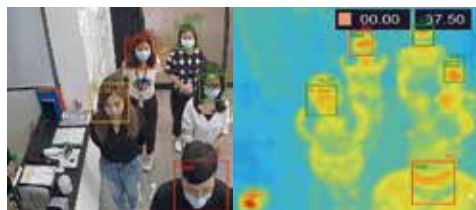
Equipment Management
Pipeline Detachment Detection

Chemical or petrochemical plants often transport hazardous materials, risking environmental pollution if mishandled. Precise temperature detection helps identify subtle changes, minimizing the risk of human error.



Health and Hygiene Management
Body Temp. & Mask Recognition

Enhance occupational safety with 3S thermal imaging. Monitor mask compliance and no-smoking rules at entry points. Non-compliance results in work suspension, with subsequent corrective measures.



Optical Image Applications



Personnel Management
Face Detection & Recognition

AI visual recognition ensures secure personnel entry and exit, preventing unauthorized access to the workplace during off-hours through facial recognition.



Vehicle Management
License Plate Detection & Recognition

3S offers advanced license plate recognition for swift vehicle access, including high-speed plate recognition, log records, and remote recording.



PPE Safety Management
Clothing Violation Detection

"AI Clothing Violation Detection" learns the standard attire for the work area, ensuring personnel wear designated Personal Protective Equipment. Instant alerts are issued for violations, enabling immediate awareness for management.



Behavioral Safety Management
Human Behavior Recognition

For personnel safety behavior, set designated zones. If accidents like falls occur, immediate alerts inform management, ensuring quick response to maintain employee safety.

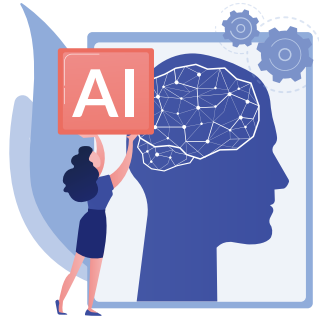


ADVANCED AI RECOGNITION AND CUSTOMIZED LEARNING MODULES CHOOSE US TO ADDRESS YOURS NEEDS.



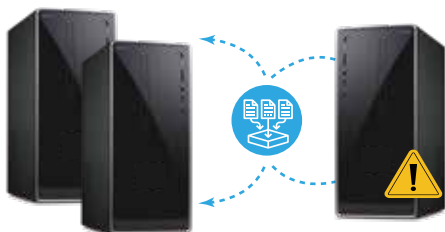
Fast Real-Time Processing

Exceptional flexibility and computing power in 3Smart AI for rapid image processing, decoding, and encoding. Real-time tasks like recording, streaming, and AI processing seamlessly is handled at the front-end camera capture.



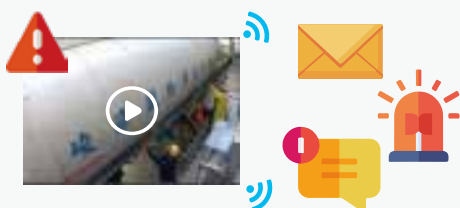
Deep Learning

Automatically or manually correct recognition results, continuously train and enhance data 24/7. Detect anomalies, significantly reducing errors in security image analysis systems.



Reliable Backup System

3Smart AI features N+N Failover, seamlessly switching functions during system failure. With load balancing, it ensures uninterrupted analysis and monitoring.



Multi-Channel Notifications

The system generates personalized alerts for detected events. The notifications can be sent by e-mail and SMS, and users can easily configure Cosy to send them directly to those who need to know.

Specifications



**VIDEO ANALYTICS
SOFTWARE
3Smart AI**



Model No.	3Smart AI			
Video Inputs	4CH	8CH	16CH	32CH
Support OS	Windows 10,11 \ Windows Server 2019 2022			
Language	Traditional Chinese, Simplified Chinese, English			
Architecture	Client-Server			
Functions	Real-time analysis, Post-event search, Instant alerts, Historical records, Image-based search, Event notifications			
IDM Support	Human,Vehicle types (sedan, truck, bus, motorcycle, bicycle), Apparel,Backpack,Objects (laptop, notebook, water bottle)			
Protocol Support	TCP/IP \ UDP \ Modbus			

Recommended

AI Server

(Equipped with 3Smart AI)

AI servers provide robust, cost-effective storage for industrial and mission-critical applications, ensuring security, connectivity, and availability.

**** For more detailed specifications, please refer to page 36 of this catalog.*



G26041-08

4CH

G26041-08

8CH

G26041-16

16CH

G26041-32

32CH

05 WEB & MOBILE CLIENT VIEWING

3S VMS provides local sites and remote viewing services simultaneously. You can remotely access through computers and mobile devices anytime and anywhere (using P2P connection, Mobile app) for real-time image viewing. This allows users and individuals to stay informed about the situation without any space or time limitations.

Key Features



Support Multi-Browsers



Intuitive UI



Easy to Setup



Real-Time Viewing



Support Multi-Language



Instant Alarm (Trigger Alarm)

Introduction

VIEW ANYWHERE, ANYTIME!

Wherever you are, you have three ways to enjoy live view and playback anytime.



Web Viewer (Desktop, Laptop)



Connect to personal computers to browse or play back the video in real time, which enables easy operation and various equipment setting, so that people can know the situation any time without the space and time limitations.

ASCM Web (for HDRC)

Web Viewer (for Cameras)

3S CMS Lite

(for XVR/NVR, A Class Series IP Cameras)



Real-Time Viewing



Playback



Video Export



Snapshot



Mobile Client (Mobile, Pad)

View live video, event and manage device from anywhere with 3S mobile app.

3VMS App

(for XVR / NVR, HDRC, Cameras)

3S Mobile Connect

(for XVR/NVR, A Class Series IP Cameras)



Real-Time Viewing



Playback



P2P Supported (certain models)



Snapshot

06

PC CLIENT VIEWING

HDCC - HIGH DEFINITION COMMAND CENTER

HDCC is a high-definition video viewing software. It supports unlimited camera access and offers multi-screen display capability. It can be combined with 3S TV wall decoders and 3S matrix display software for applications, creating a comprehensive large-scale TV wall solution.

Key Features



Live-view
& Playback



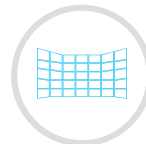
Overview
E-map



Quick
Search



Group
Sequence Display



Support
TV-Wall



Alarm
Management

Introduction

PERFECT DISPLAY EXPERIENCE

Quickly Build TV Walls - Professional High-Definition Display Platform



One
HDCC
32 CH

Dual
HDCC
64 CH

Quad
HDCC
128 CH

Compatible with 3S HDCC, It easily duplicates multiple TV walls.

Remote control multiple TV walls by 3S HDCC video command center and support TV walls control and rotation.



Recommended Equipment

Workstation
(Equipped with HDCC)



G20641

Support screen x 3

- Windows 7
- HDCC Dual 64CH



G41281

Support screen x 4

- Windows 7
- HDCC Quad 128CH

*** For more detailed specifications, please refer to page 37 of this catalog.

ENTERPRISE-LEVEL VIDEO WALL SOLUTION PROVIDE NEW DISPLAY EXPERIENCE



One-Click Camera Setup

The system can automatically search for video recording servers cameras and one-click to set up completely.



Live View & Playback

Able to display live view and playback at the same time. No need to interrupt monitoring work of other camera.



Easy Setup of E-maps

According to your needs, users can arrange cameras and alarm icons on the e-map, and set the link for each e-map.



Smart Motion Search

Directly mark a specific area on screen. The marker will be shown on time line if there is an object movement in the area.



Software	HDCC		
Version	One	Dual	Quad
Camera Viewing Channels	32CH	64CH	128CH
Auto Wizard	Plug & Play Auto Setup		
Max. Number of Cameras	Unlimited		
Supported OS	Windows 7, Windows 10		
Supported Mobile App	3VMS (Mobile Device) (iOS/Android)		
Max. Number of Monitors	Support up to 4 monitors		
Users and Groups	Unlimited Users and Groups and support customized group authorization		
Authority	Administrator, System Manager, Advanced Operator, Operator and customized group authorization		
Playback mode	Synchronous playback		
Playback Timeline	Scale Adjustment / Smart search Interval Display, and support manual and auto playback		
Bookmark	Bookmark for specific events		
Search Mode	Calendar, Event, Alarm, Bookmark, Thumbnail, Smart Search, Channel, Log		
Snapshot	JPEG		
Export File	AVI, MP4 & MKV, Supports Watermark, supported playback with Windows Media Player/VLC		
Supported Items	Access Control, I/O Controller		
Alarm Result Display	Show the location and video playback in the E-Map		

07

INTEGRATION PLATFORM

ASCM - AUTOMATION SECURITY CONTROL MANAGEMENT

ASCM is specially designed to integrate diverse systems including access control system, alarming system, perimeter protection system and a variety of security systems. ASCM provides dashboard, visible e-map, user-defined template, and alarm notifications to help administrators manage environment in safety. Administrators can monitor system status and equipment conditions in one platform easily.

Key Features



Dashboard
All in one
Monitoring



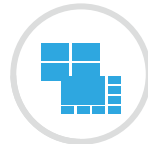
Integrate
Diverse
System



High
Customized
Flexibility



Visible
E-map
Monitoring



Support
Multiple
Layout



Real-time
Alarm
Notifications

Introduction

POWERFUL INTEGRATION PLATFORM

Highly Diverse Integration Platform- Designed to integrate diverse systems



ASCMS^{STD}

ASCMS^{ADV}

ASCMS^{CMS}



PC Client
ASCMS

Install the software on your computer or workstation and have it up and running in just a few minutes.



Web Viewer
ASCMS Web

Allows users to view and search video from remote locations over the Internet and can be accessed via a web browser.



Mobile Client
ASCMS APP

You can transform your mobile devices as a mobility viewing client from anywhere on hand.

HIGHLY DIVERSE INTEGRATION PLATFORM WITH STABLE & DIVERSIFIED FUNCTIONS TO MEET ALL POSSIBILITIES !



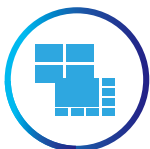
REALIZE INTELLIGENT & EFFICIENT MANAGEMENT FOR USERS.

The superior control management platform enhances the scalability of equipment, greatly reduces the inconveniences of traditional systems, and a large number of manual operations and difficulties. Depth intelligent management and control can improve safety and operation efficiency of the environment and devices, reduce labor consumption, and truly achieve the purpose of intelligence, automation and timeliness.



Intuitive Interface Improves User's Experience

Unique and innovative interface provides user-defined layout and flexible configuration. All the functions of subsystems are classified and presented clearly on the home page, easy to use.



Segmentation Page and Template

Built in a variety of image segmentation page templates. You can set cameras quickly on the segmentation page and save as the specific template page for use. In addition, you can set the watermark content, playback and export files.



Exceptional Dashboard

The dashboard presents the real-time status of current image, access control, POS, alarm and other subsystems by means of the chart on a single page.





Video Playback

Click the synchronous playback button on the toolbar to playback multiple or single video and search the video quickly through the time axis.



Smart Target Search

Advanced smart target search feature helps you to locate the video footprint by your criteria. It may includes face, car, license plate, backpack, suitcase and etc.

**Application needs 3Smart AI software integration.*



Real-time E-map Monitoring

E-map can present the real-time status of cameras, access control card machine, alarms and other integrated equipment and devices in an image-based manner, so that managers can identify the exact location of the event quickly in the work environment and take corresponding actions.



**INTEGRATION
PLATFORM
ASCM**



Software	ASCM		
Version	STD	ADV	CMS
Monitoring	V	V	-
E-map	V	V	V
Alarm Monitoring	V	V	V
Alarm log	V	V	V
Access Control System	-	V	V
Object Search	-	V	V
Template	-	-	V
Face Recognition	-	V	V
Search Server	V	V	Automatic Configuration by CMS
Group Settings	V	V	Automatic Configuration by CMS
Account Settings	V	V	Automatic Configuration by CMS
Layout Settings	V	V	V
Joystick	V	V	V
Audio Broadcast Setting	V	V	V
Access	-	V	V
Tour Setting	V	V	V
System Settings	V	V	V
Face	-	V	V
Alarm Settings	V	V	V
Desktop Recording	-	V	V
Automatic Version Update	-	-	V (Configuration by CMS)



Access Control System

Access control products include a wide range of card readers, controllers, and cards. You may authorize personnel to access specific areas depending on defined areas or departments. The exhaustive information of the attendance or device information can be checked and managed clearly no matter it is on a workday or on a holiday. The holiday mode assists you in managing visitors during holidays that may vary from nations or business entities. In conclusion, the access control system is not only for managing attendance but also for boosting the security of properties.



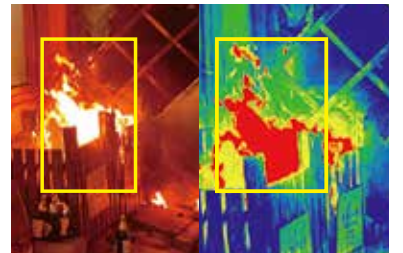
Emergency Alarm System

Set up emergency rescue equipment in public or private places. When an emergency occurs, you can press the emergency rescue button immediately to connect to the security office or central control center by video intercom, push message, group broadcast and so on.



Very Early Fire Warning System

The AI algorithm in the thermal IP cameras can detect the temperature change status in a specific area. The monitoring personnel can confirm the location of flame through the monitoring screen, and then take emergency measures rapidly.



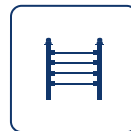
License Plate Recognition System

It has excellent image monitoring technology to realize the high-tech license plate recognition system, AI IP cameras can extract, capture and identify the license plate number and different types of moving vehicles to complete identification and comparison by back-end system.



Facility Monitoring Control System

Intelligent analysis and early warning mechanisms in energy management provide factory managers with real-time insights. System flow analysis charts enable dynamic oversight, allowing for timely adjustments and effective management.



Perimeter Protection System

Deploy diverse sensors in targeted areas to prevent security threats. In case of intrusion, the control center swiftly initiates emergency response measures.



Building Automation Management System

Integrate energy-efficient solutions for automatic control and management of building systems. Enhance comfort, convenience, and safety in home and office environments with smart technologies.



Wireless Positioning System

Precisely locate equipment or personnel in buildings for efficient tracking. Applied in industrial safety, fire rescue, commercial activities, and medical care.



SERVER & WORKSATION



01. Intel NVR Server

02. Streaming Server

03. Ai Server

04. Workstation

01 INTEL NVR SERVER

Intel NVR servers are equipped with the latest Intel® Xeon® processor, providing high-performance computing capabilities to support powerful applications and operating systems. It runs on the Windows operating system and features dedicated 3.5-inch SATA hard drives for monitoring. This configuration enables quick system startup and reduces data loading times.

Each NVR server is equipped with 3S high-performance video management software(VMS) to manage video recording up to 128 video channels and support more than 100,000 video streamings. Users can select the appropriate server model based on varying recording storage needs.



Benefits



Rugged Mechanical Design

The server chassis, made from robust metal, preventing system issues or hard drive damage from strong shaking or vibrations. Multiple ventilation holes around the casing provide excellent airflow and cooling, ensuring the hard drives operate at optimal temperatures.



Front Side



Back Side



Space-Efficient Utilization

The rack-mounted server can not only be stacked but also seamlessly placed in a standard vertical Rack/Cabinet for unified management, reducing space occupation. With the slide rail design on both sides of the chassis, it can be easily pulled out for deployment or equipment maintenance at any time.



Rack/Cabinet



Highly Reliable

3S NVR server is equipped with the latest generation Intel Xeon processors, providing powerful computing capabilities to meet high-performance operational demands. Its exclusive mechanical design offers excellent heat dissipation and low power consumption, ensuring the stable operation of the operating system and applications 24/7 throughout the year.



Hot-Swappable HDD

The front of the chassis is equipped with hot-swappable hard drives using standard 3.5-inch SATA HDD slots. This allows the replacement of hard drives without affecting server operation. Additionally, each HDD slot features a dedicated LED indicator. In the event of a hard drive failure, the LED displays a fault signal and triggers an audio alarm to notify the abnormal status of the hard drive.



Flexibly Expand Storage Capacity

With expanding deployment scales, it offers flexible expansion of hard drives and memory, reducing cost expenditure. Supporting various RAID configurations, servers can be stacked together to meet additional storage needs. External JBODs enclosures can be connected to increase server storage capacity.



Specifications

Intel NVR Server



Model Type	12 Bays		16 Bays		24 Bays	
Model No.	IA0641	IA0641-E	IB1281	IB1281-E	IC1281	IC1281-E
System						
Camera Access Channels	64CH					
Processor	Intel® Xeon® E3					
Memory	8GB					
OS	Windows 7	Windows 10	Windows 7	Windows 10	Windows 7	Windows 10
OS Device	SATA DOM 64G					
Input / Output Bandwidth	768Mbps / 768Mbps					
Graphics Processor	Intel® C236					
Storage						
SATA	Intel® C236 controller for 8 SATA3 (6 Gbps) ports					
RAID	RAID 0, 1, 5, 6, 10, 50, 60					
Storage Device	3.5" HDD x 12		3.5" HDD x 16		3.5" HDD x 24	
Power						
Power Input	100 - 240Vac, 50-60Hz					
Power Consumption	740W	920W	740W	1000W	920W	1200W
Storage Temperature	-40°C ~ 70 °C (-40°F ~ 158°F)					
Dimension	437(W) x 89(H) x 647(D)mm		437(W) x 132(H) x 647(D)mm		437(W) x 178(H) x 660(D)mm	
Weight	15.4 kg		18.82 kg		39 kg	

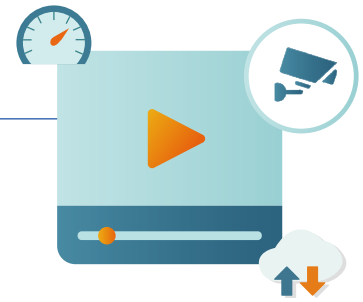
JBOD



Form Factor	2U		3U		4U	
Model No.	IA0001	IA0001-E	IB0001	IB0001-E	IC0001	IC0001-E
Support Intel NVR Server	IA0641, IB1281, IC1281	IA0641-E, IB1281-E, IC1281-E	IA0641, IB1281, IC1281	IA0641-E, IB1281-E, IC1281-E	IA0641, IB1281, IC1281	IA0641-E, IB1281-E, IC1281-E
Drive Bays						
Hot-swap	12 x 3.5" SAS / SATA HDD Hot-swap drive trays		16 x 3.5" SAS / SATA HDD Hot-swap drive trays		24 x 3.5" SAS / SATA HDD Hot-swap drive trays	
Max. Internal HDD Capacity	3.5" 500GB / 750GB / 1TB / 2TB / 3TB / 4TB / 6TB					
Operating Environment						
Operating Temperature	5°C ~ 35°C (41°F ~ 95°F)					
Humidity Range	8% - 90% (non-condensing)					
Power Supply						
Power	500W	920W	500W	1000W	920W	1200W
Redundant Power Supplies	Yes					
AC Input	100-240 V, 50-60 Hz					
Power Supply Safety / EMC	UL, CUL, TUV, CE					
Dimension	437(W) x 89(H) x 647(D)mm		437(W) x 132(H) x 647(D)mm		437(W) x 178(H) x 660(D)mm	
Weight	15.4 kg		18.82 kg		39 kg	

02

STREAMING SERVER



The streaming server supports unlimited video streaming, distributing to multiple clients with real-time transcoding for diverse device compatibility. It enables multi-stream management, bandwidth optimization, and robust security, while facilitating recording and storage for historical analysis.



Real-time Transcoding



Multi-Stream Management



Bandwidth Optimization



Tailor Account Permission

Specifications

Model No.	L20011	L20041	L40041
OS Device	150GB 2.5 SSD		
Support OS	Window 10		
CPU	Intel® Xeon® E5		
Memory	16GB		
Input / Output Bandwidth	512Mbps / 512Mbps	5632Mbps / 5632Mbps	10752Mbps / 10752Mbps
Connection	Ethernet RJ-45, 10 / 100 / 1000 Mbps x 2	Ethernet RJ-45, 10 / 100 / 1000 Mbps x 2 SFP+ (10 Gigabit) x 2	Ethernet RJ-45, 10 / 100 / 1000 Mbps x 2 SFP+ (10 Gigabit) x 4
Display Support	VGA x 1		
Remote Access	TCP/ IP, LAN, WAN, Internet, Modem Dial-up, Modem-to-Modem, ISDN		
Operating Temp.	5 ~ 35 °C (41 ~ 95°F)		
Humidity	10 - 90% RH (Non-condensing)		
Dimension	437(W) x 429(D) x 43(H)mm		



03

AI SERVER



3S AI Server boasts powerful computation, real-time inference, multi-model support, GPU acceleration, large storage, robust security, scalability, and automated management, providing a reliable foundation for diverse AI applications.



Performance Optimization



Workload Management



Energy Efficiency



Predictive Analytics

Specifications

Model No.	G26041-04	G26041-08	G26041-16
Camera Access Channels	4CH	8CH	16CH
CPU Processor	i7-9700K	i7-9700K	i9-13900KS
Core Count	8	12	24
Memory	16GB	32GB	64GB
GPU Graphics Card	GTX-2080Ti	RTX-3080Ti	RTX-4090
Cuda Cores (on GPU)	4352	8960	16384
Connection	Ethernet RJ45 10/100/1000Mbps		
Operation Temperature	10°C ~ 35°C (50°F ~ 95°F)		
Operating Relative Humidity	10% to 90%		



04

ENTERPRISE WORKSTATION

The 3S high-performance workstation computer is tailor-made for demanding projects and high-end applications. It features the latest Intel® Xeon® processors and high-end professional graphics cards, providing powerful performance that significantly enhances image processing speed. It also boasts excellent expandability, allowing for memory and storage capacity expansion according to user needs, enabling an extremely efficient workflow.



Benefits



Multitasking Capability

A workstation's powerful processor is crucial in professional tasks like rendering and video encoding. It offers superior multitasking and multicore processing, ensuring uninterrupted productivity compared to regular computers that may limit workflows.



Nonstop 24/7 Operation

Regular PCs running continuously raise hardware failure risks, while workstations, designed for 24/7 performance and supporting ECC memory, are crucial for businesses' extensive demands.



High Expandability

As businesses grow, workstations offer upgraded CPUs, dedicated graphics, and versatile expansions like PCIe, FPGA, SAS/SATA, and RAID to adapt to changing workloads.



Matrix TV Wall

The TV wall matrix display can directly leverage the powerful processing capabilities of the workstation computer. Users can easily configure screen display modes according to their viewing preferences. This viewing mode is commonly used in control centers, multimedia advertising billboards, exhibition venues, convention centers, train stations, subway stations, airports, and more.



Optional : 3S Software - Media Center

The exclusive video wall software can build the monitoring TV wall, which can display a single image or cross-screen images, and a maximum of 128 channels can be viewed in real-time or playback synchronously.

Specifications

Workstation

(For TV Wall)



Display Support	3	4	8
Model No.	J21281	J41281	J81281
OS	Windows 7	Windows 7	Windows 7
CPU	Intel® Xeon® processor E3-1275 v6	Intel® Xeon® processor E3-1275 v6	Intel® Xeon® processor E3-1275 v6
Memory Capacity	16G DDR4	16G DDR4	16G DDR4
Chipset	Intel® C236	Intel® C236	Intel® C236
NVIDIA CUDA® Parallel Processing Core	256	512	512
Memory	2GB GDDR5	2GB GDDR5	4GB GDDR5
Memory Interface	64-bit	128-bit	128-bit
Memory Bandwidth	Up to 80 GB/s	Up to 80 GB/s	Up to 80 GB/s
Display Connector	3 x mini DisplayPort	4 x mini DisplayPort	8 x mini DisplayPort
Display Resolution	3 x 4096x2160@60Hz 3 x 5120x2880@60Hz	4 x 4096x2160@60Hz 4 x 5120x2880@60Hz	8 x 4096x2160@60Hz 8 x 5120x2880@60Hz
USB	USB 2.0x2, USB 3.0x2, USB 3.1x2		
Buttons	Power On/Off button		
LEDs	1 Network Activity LEDs / HDD activity LED, Power Status LED / System Overheat LED		
Fans	1 x 12cm rear exhaust fan(s)		
AC Input Frequency	50-60Hz		
Total Output Power & Input	500W with Input 100 - 240Vac		
Operating Temperature	5°C - 35°C		
Operating Humidity	10% - 90% Non-condensing		
Dimensions	193(W) x 525 (D) x 424(H)mm		

Workstation

(For 3S ASCM & HDCC Software)



Channel	64CH	128CH
Model No.	G20641	G41281
Channel	64CH	128 CH
CPU	Intel® Xeon® CPU CPU E3-1275V5 (8M Cache, 3.60 GHz)	Intel® Xeon® CPU CPU E3-1275V5 (8M Cache, 3.60 GHz)
RAM	16GB 2133MHz DDR4 RAM	16GB 2133MHz DDR4 RAM
System	Windows 7 (Windows 10 Optional)	Windows 7 (Windows 10 Optional)
Graphics Card	2GB Independent graphics	2GB Independent graphics
Display Support	Supports up to 3 screens (mDP 1.4 x3)	Supports up to 4 screens (mini DP x4)
Connection	Ethernet RJ-45, 10/100/1000 Mbps x 2	Ethernet RJ-45, 10/100/1000 Mbps x 2
Remote Connexion	TCP/ IP, LAN, WAN, Internet, Modem Dial-up, Modem-to-Modem, ISDN	
Configure Backup	Yes	
Play Simultaneously	Yes	
Joystick Support	Yes	
PTZ Control	Yes	
e-Map	Yes	
Live View	Yes	
Unlimited Viewer	Yes	
8CH Synchronized Playback	Yes	
Power	PS2/ATX 500W Multi-output power supply with 12CM fan, Bronze level	
Power Efficiency	88%	
Total Power	500W	
Voltage	100 - 240Vac	
Power Frequency	50-60Hz	
Operating Temperature	5 ~ 35 °C	
Humidity	10 ~ 90% RH (Non condensation)	
Dimension	193(W) x 525(D) x 424(H)mm	



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2024 / 04 Ver. 01