

# COMMPORT

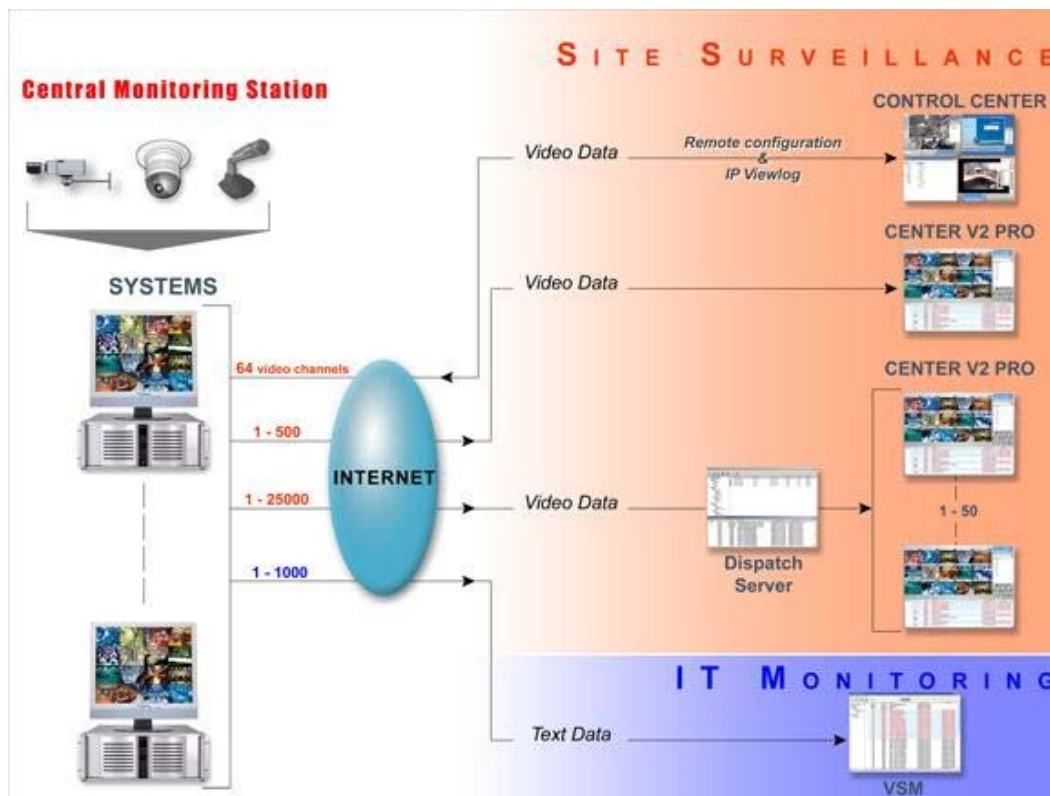
## COMM PORT CENTRAL MONITORING STATION, ACCESS CONTROL, & SYSTEMS INTEGRATION DETAILS

## INTRODUCTION

The Comm Port Central Monitoring Station (CMS) program provides an overall central monitoring solution for high-profile security areas in commercial, industrial and residential use markets. Imagine how a security service center can utilize Comm Port Central Monitoring Station solution to manage its heavy task of DVR monitoring and surveillance in a casino for example. Numerous Surveillance Systems may be connected with hundreds of thousands of cameras and integrated with IR sensors, motion sensors, fire detectors, alarms, and POS systems. The complete and powerful network structure of the Central Monitoring Station will effectively reduce false alarms and efficiently dispatch the security guards to any gaming areas and the surroundings to relieve alerts.

## CENTER V2 (PRO)/ DISPATCH SERVER MODULES COMPARISON

Features	Center V2	Center V2 Pro	Dispatch Server
Maximum # of Channels	80	800	400,000
Maximum # of Subscribers	5	500	25,000
Maximum # of Center V2	N/A	N/A	50
Maximum # of Sensors / Alarms	360 / 720	36,000 / 72,000	1,800,000 / 3,600,000
Real-Time Audio Monitoring	Yes	Yes	Yes
Remote PTZ Control	Yes	Yes	Yes
Remote I/O Control	Yes	Yes	No
Auto Recording	Yes	Yes	No
Event List Viewer	Yes	Yes	Yes
Event List Filter	Yes	Yes	Yes
Twin-View Support	Yes	Yes	No
Load Balancing Support	No	No	Yes
Auto Connection Lost Recovery	Yes	Yes	Yes



## THE CONCEPT OF COMM PORT-CMS

The Comm Port Central Monitoring Station (CMS) structure includes four independently developed modules: Center V2 (Pro), Dispatch Server, Vital Sign Monitor, and Control Center. Each module has different functions and can be quickly deployed as part of the central monitoring infrastructure.

The basic functions of these modules can be summarized as follows:

I. **Center V2 Pro module** receives videos and messages, records, generates event logs, and sends notifications on alert conditions such as intrusion, fire, video lost, and system breakdown from 800 channels or 500 COMM PORT-Systems simultaneously.

II. **Dispatch Server module** balances Center V2 Pro network load, distributes client DVR requests from 25,000 COMM PORT-Systems to 50 Center V2 Pro, views real-time events, and tracks Center V2 Pro and Dispatch event logs.

III. **Vital Sign Monitor module** receives text alert messages from 1,000 client DVR's, outputs alarms, sends SMS or emails to designated people, monitors client DVR's' storage space and online status.

IV. **Control Center module** controls, configures, views live videos, records, plays back, and manages I/O devices from multiple client DVR's, for the purposes of IT maintenance and site surveillance.

These are the basic concepts and infrastructure of the modules for a central monitoring station. These modules provide powerful and reliable solutions to centrally manage numerous COMM PORT-Systems and efficiently deploy the central monitoring capability. Furthermore, they are cost-effective since they do not require any additional specialized hardware to run the servers.

**Note:**

1. Each COMM PORT-CMS module must be used independently in one single computer except the combined modules recommended:

- Center V2 module
- Dispatch Server module
- Vital Sign Monitor (VSM) module
- Control Center module
- Dispatch Server + VSM
- Center V2 + VSM

2. Although these four modules constitute a complete CMS structure, we do not recommend installing COMM PORT-Center V2 (Pro) and COMM PORT-Control Center modules on the same PC. *Running COMM PORT-Center V2 (Pro) and COMM PORT-Control Center on the same PC may result in CPU overload error or system failure.*

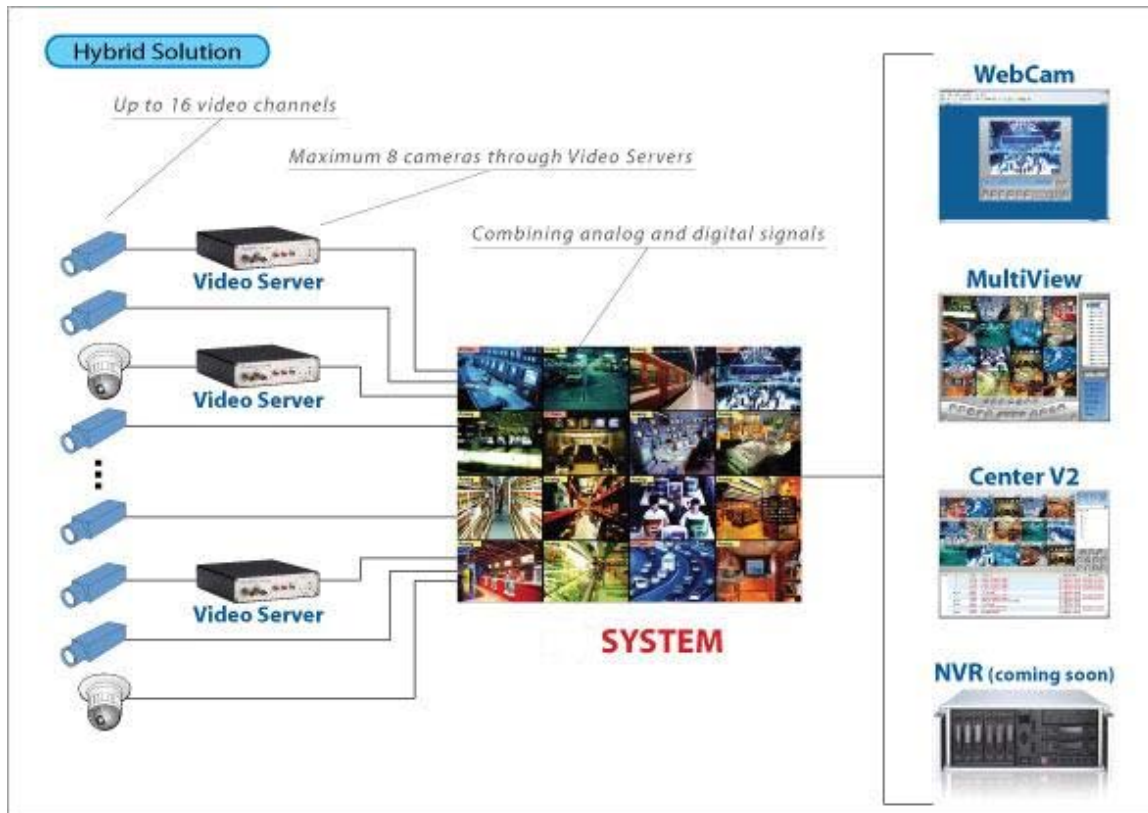


## OVERVIEW DIAGRAM OF ALL INTEGRATED TOGETHER

# HYBRID SOLUTION

## INTRODUCTION

The newly introduced Video Server is an advanced video converter that digitizes analog video signals and sends them over an IP network. For users who already installed legacy analog cameras, the Video Server offers a cost-effective solution to adopt IP surveillance in the existing equipments.



The Video Server is easy to maintain and simplifies live monitoring, configuration, and system control. The user-friendly interface allows web browser access and provides a smart and scalable monitoring over any distance via LANs or WANs. Remote surveillance is implemented via 3GPP, IE browser and Comm Port MultiView. For the purpose of central monitoring, the Video Server offers an extensible solution for multi-site surveillance and control to manage numerous cameras from subscribers.



The built-in alarm and event management software enables several notification modes to react to abnormal events. Although tiny and compact, the Video Server possesses state-of-the-art MPEG4 ASP compression technique that will not compromise video quality. If a Comm Port pc-based surveillance system is already in use, the Video Server offers a hybrid solution to integrate surveillance system and video server, and to load analog and digital video into the same interface.

#### APPLICATIONS

- Military site
- City wide Network
- Seaports
- Large Campuses
- Nuclear Power Plants
- Large Parking Lots
- Utility Plants
- Stadium
- Educational Campuses
- Hospitals



# MULTI QUAD SOLUTION

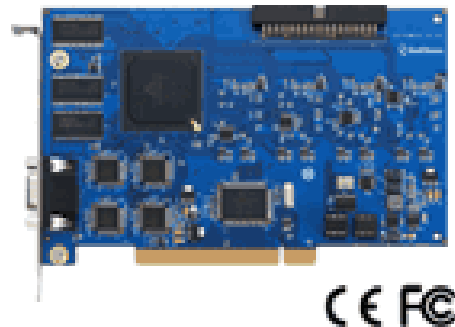


## INTRODUCTION

COMM PORT Multi-Quad card is a TV surveillance solution that provides visual alerts for monitoring of casinos, supermarkets, shopping malls, on the perimeter of a stadium or airport, etc. It is built in with a programmable analog video output and a video matrix, which facilitates spot monitoring of multiple critical areas. The COMM PORT Multi-Quad supports a main monitor displaying up to 16 live streaming video feeds, and 4 call monitors displaying separately with up to 4 camera feeds. When the camera detects motion or the burglar alarm device is triggered, a live image pop-up will appear in the main or call monitors for alarm notification. The Multi-Quad TV surveillance solution is recommended for use in security rooms and management offices.

## APPLICATIONS

- Central Monitoring Station
- Traffic Control
- Tunnel
- Casino
- Shopping Mall
- Border Control
- Resort
- Stadium



## MULTI QUARD CARD



The CP-Multi Quad Card is designed to alert security personnel visually through 5 additional TV screen outputs including a main monitor and 4 other call monitors.

### Specifications

Interface for CP-Video Capture Card	40-Pin Connector
TV Output	DB15 to 5 BNC Connectors
Input Signal	16 Channels
TV Monitor Layout	Port 1: supports up to 16 screen divisions Port 2 ~ Port 5: support 1 and 4 screen divisions
Compatible Models	250, 600, 650, 800, 1120, 1240 , 1480, 2004, 2008
Dimensions	178 (W) x 104 (H) mm

## **ACCESS CONTROL**



### **INTRODUCTION**

Comm Port Access Control System combines AS200 controller, CP-Reader and CP-AS Server.

AS200 is a controller featuring up to 4 doors powerful access control and maximum security management solutions.

CP-AS Server is a software that integrates digital video monitoring, web-based management tools and central station reporting, all in one system. Video clips can be recalled through the software, based on time, alarm or event.

Comm Port Access Control System aims to provide an enterprise level solution, capabilities with full scale system management for single or multiple locations. In addition, it allows the integration with CP Surveillance System to build up a comprehensive security solution. With the powerful CP-AS Server, Comm Port Access Control System is suitable for many environments, such as parking lot, elevator or entrances.

### CP-READER KEY FEATURES

- Support 125KHz, 13.56MHz (ISO15693 / ISO14443A)
- Support Wiegand interface
- Support RS485 9600bps communication type
- Red / Green LED and Beeper can set up auto / user mode



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### AS200 KEY FEATURES

- Intelligent Multi Door [2~4] Access Control Panel
- Support up to 10,000 card users
- Support up to 65,536 event buffers
- Network communication via RS485 / TCP/IP (Optional)
- Support 4 predefined security scenarios
- Support anti-pass back function (except one-way control mode)
- 2 men operation, patrol card
- 4 authentication modes
- Each door supports alert feature when fire, reader broken, emergency arise
- Door sensor supports NC/NO type
- Independent power connection for door device used
- Anti-duress password
- Reader port supports Wiegand interface / Power / LED control
- Compatible software: CP-AS Server, CP-AS Web, CP-AS Client



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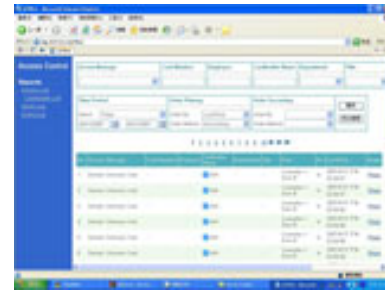
### CP-AS SERVER KEY FEATURES

- High performance network access control system
- Flexible and scalable architecture up to 255 nodes
- Real-time door status monitoring and remote operations
- Real-time notification via Email/SMS
- Comprehensive user/card management system
- Anti-Passback protection using two readers
- Live video feed with embedded access information

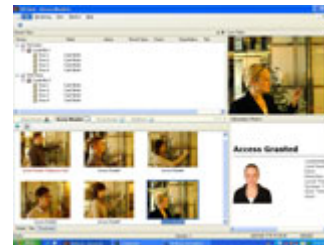


**CP-AS Server**

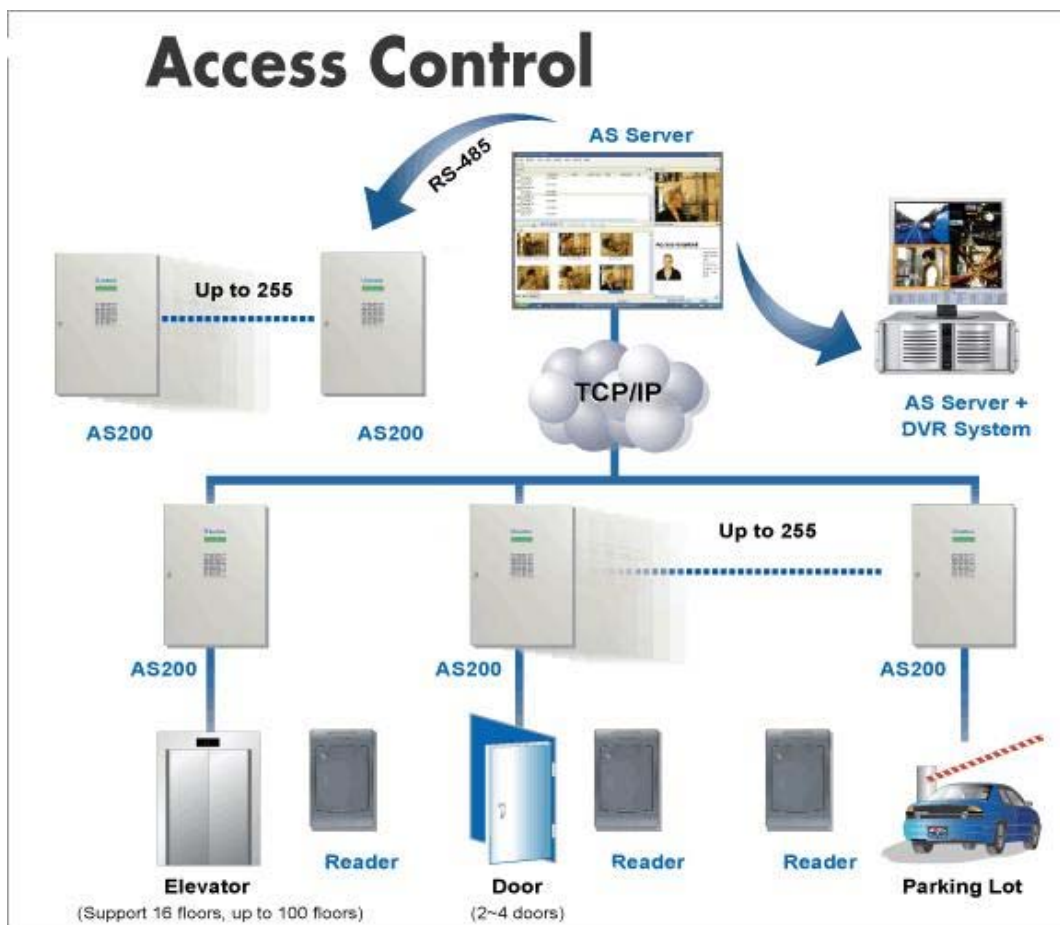
- User-defined viewer layout and dual monitor display support
- Report export in Excel and Text file formats
- Integrated Web server for system, alarm events and access entries overview
- Seamless integration with Comm Port DVR Series
- Up to 256 configurable time zones and schedules
- Holidays planning for 14 months
- Multiple cards per user
- Up to 10,000 manageable access groups
- Remote video playback



CP-AS Web



CP-AS Client



### CP-READER SPECIFICATIONS

CPU	8bit microprocessor	
Frequency	CP-Reader1251	125KHz
	CP-Reader1351	13.56MHz for ISO15693
	CP-Reader1352	13.56MHz for ISO14443A
Wiegand Interface	Distance 30m	
Power	7.5~12V DC	
LED	Red, Green LED	
Beeper	Buzzer	
RS485	9600 bps, connect up to 8 CP-Readers	
Color	Black	
Operating Temperature	0 ~ 65°C	
Operating Humidity	10 ~90% RH (non-condensing)	
Dimension	75 (W) x 115 (H) x 15 (T) mm	
Weight	150g	
Certification	CE, FCC, RoHS	

### AS200 SPECIFICATIONS

Model (Default)	<b>AS200</b>
CPU	8 bit RISC Microprocessor
User Card Number	10,000 Cards
Event Buffer	65,536 events and log data
Power	100~250 V AC, 50~60Hz
Reader Port	4 Wiegand interface and external RS485 for CP-Reader
Wiegand Interface	26~40 Bit format
	Reader Power DC12V
	Reader LED Control Connection for Red, Green LED and Beeper

Communication	RS485 (Max. to 255 channels)
Door Number	2 Doors
Sensor Port (every door)	Exit button / Door Sensor / Fire Sensor / Reader Broken
Output Device (every door)	Electric Lock / Alarm device / Emergency device
LED Indicator (every door)	3 LED indicating door's sensor state and door's event
Operating Temperature	0~65°C (32 ~ 149°F)
Operating Humidity	10% ~ 90% RH (non-condensing)
Dimension	300 (W) x 420 (H) x 50 (T) mm
Weight	4Kg
Certification	CE, FCC, RoHS
Optional Products	
AS Keypad	2 Lines x 16Char (English Character), for AS200 operation
	4 x 4 Key for AS200 operation
Door (Total)	CP-EXIO (4 doors)
TCP/IP Module	CP-Ethernet module