

## Application Scenario

### Pain Points of Global Manufacturers

#### Strengthening Industrial Safety

Environmental hazards pose significant personal and property risks, which can disrupt business operation. In order to keep the operation running smoothly, factory automation and environmental safety monitoring such as a Facility Monitoring Control System (FMCS) for automated management has therefore become an important requirement for factory automation.



#### Lack of Integration

It is common practice in factories that the acquisition system and the monitoring system are completely independent and cannot both be fully utilized (for example, when the factory boiler temperatures change, SCADA does not automatically pop-up video warnings on screen). The system need to be unified through careful management platform integration to form a comprehensive security control network.

#### Cost of Storage Space

24-hour monitoring systems for enterprises increases operating costs, but some applications do not need all that video data, so the adoption of intelligent modules can help improve wasted disk space and improve the efficiency and cost of running such a system.



### See what will happen...

#### Full Integration Made Management Efficiently

Full integrated with other industrial systems for management.

#### Real-Time Video Analysis

Real-time video processing allows users to check abnormalities.

## Ordering Configuration Table

### SRP-FMS230 Machine Monitoring & Optimization

Package Offering	
<b>Application Software :</b> WebAccess/VCM Professional 8CH x1 <i>Preinstalled WebAccess/IVS Professional 8CH</i>	<b>OS :</b> Microsoft® Windows Embedded 7 Pro x1 <i>Preinstalled Microsoft Windows Embedded 7 Pro</i>
<b>System Computing :</b> MIC-7500-U0A1E <i>Intel® 6th Generation Core i7 processor, built-in 4GB memory, upgradeable to 32GB</i>	

### Optional Configuration

Option 300 I/O & Peripherals	
[301] CIRCUIT MODULE, 16-Ch Source Type DI/O Module (ADAM-6052-CE)	Qty: ____
[302] Vivotek IPCam(FD8169A) - Fixed Dome 2MP 15M IR 3DNR (9680017216)	Qty: ____
[303] Vivotek IPCam(IB8369A) - Bullet 2MP 20M IR IP66 3DNR (9680017215)	Qty: ____
Option 400 Add-on Accessories	
[401] CABLE/WIRE, Power Cord PSE 3P 7A 125V 300cm (1700022940-01)	Qty: ____
[402] CABLE/WIRE, Power Cord EU 3P 10A 250V 183cm (1702002605)	Qty: ____
Remark	

## Order in 3 Easy Steps



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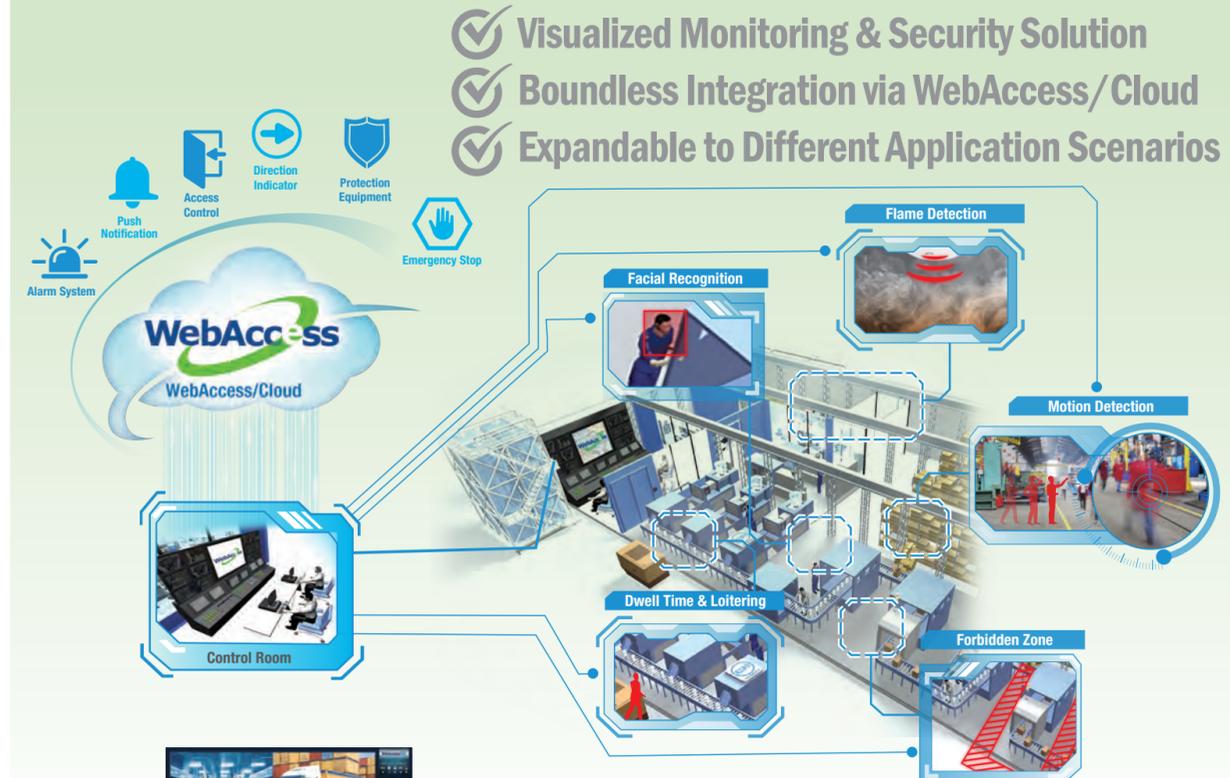
## iFactory

Solution  
Ready  
Platform

# Factory Monitoring & Security Solution

Empowered by Intelligent Video Analysis

SRP-FMS230



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**WISE-PaaS**  
IoT Software Platform



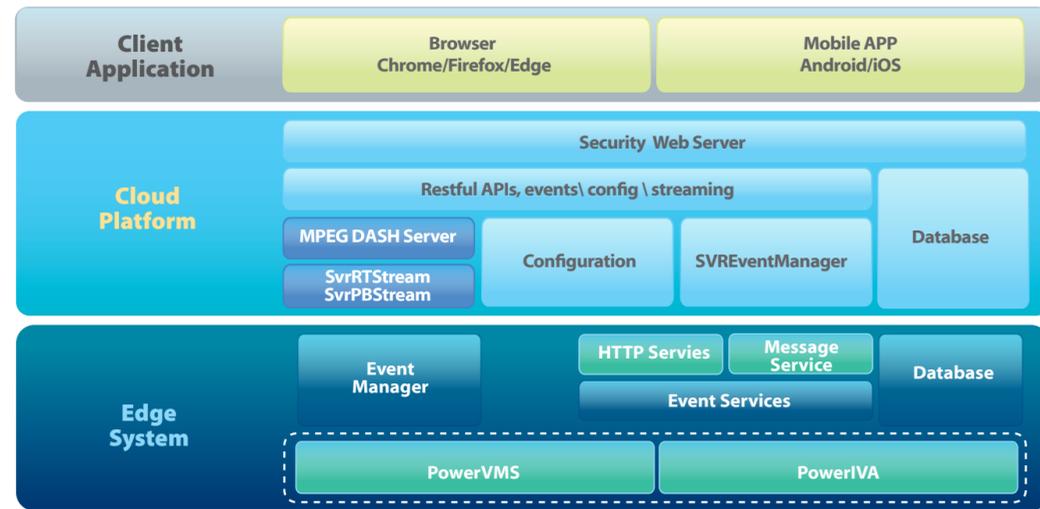
More on SRP-FMS230 website

# Entering a New Era of Smart Manufacturing

## Introducing SRP-FMS230 for Intelligent Video Analysis

This Solution Ready Platform allows users to upgrade their existing DVR or NVR systems for a comprehensive security system with video analysis capability, powered by Advantech's WebAccess/VCM. This total solution includes an edge intelligent system which will generate event and attribute data via WebAccess/VCM SDK APIs. It can be easily integrated into a central control system like Advantech's WebAccess/SCADA system, or other upper-level systems as the total solution.

## Software Architecture and Key Design Features



## Design Features



### Readable Data

Data generated from WebAccess/VCM are events in text format instead of digital or analog triggered signals, which means this data could be crucial information for meaningful analysis.



### Flexible Integration

Deploy WebAccess/VCM client SDK to develop your upper level central management system.



### Expandable Modules

WebAccess/VCM is a solution with an open architecture. For different scenarios, customers can configure the most appropriate video modules for their application.



### Powerful SDK

The SDK package covers a variety of components, such as remote real-time/historical data reception client, remote monitoring, remote playback, as well as remote event feedback and trigger.

## System Block Diagram



## Key Advantages/ Features

### Visualized Monitoring & Security Solution

Information gathering and video surveillance integration provides complete intelligent plant environmental monitoring solution.



### Boundless Integration via WebAccess/Cloud

Data transfer protocol is built into the architecture of the Internet, so all system events and actions can be achieved without boundaries over any network.



### Expandable to Different Application Scenarios

Let camera be your eye to easily expand intelligent system monitoring to any field.



## Solution-Ready-Platform Package

### WebAccess/VCM Software

Fully integrated with Advantech WebAccess/SCADA for the control of other devices

### WebAccess/VCM



### MIC-7500

6th generation Intel® Core™ i5 BGA-type processor with Intel® QM170 chipset, 2 x RS-232/422/485 and 4 x RS232 serial ports (with expansion cable)



### ADAM-6052-CE

16-ch source-type Isolated Digital I/O Modbus TCP module

