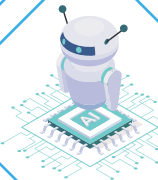


# Product Catalogue



AUDIO | VIDEO | AI

AVTRON Technologies specializes in Designing, Developing and Manufacturing of Video Surveillance Systems, Public Address System. Since 2006, AVTRON Technologies designs Systems as per client specifications. We specialize in manufacturing customized Products as per client's requirement. Our profound knowledge and experience has developed our ability to foresee and recognize the market trends and fulfill our client's needs effectively.

Managing multiple network cameras on LAN/WAN in an intelligent way provides the real scalability and flexibility for any video surveillance deployment. AVTRON's Systems offers Video Management Software / Video Management System which can virtually work with any IP Camera. It is capable of handling few to unlimited cameras. AVTRON's VMS has in built open framework of codecs and protocols that supports all industry standard cameras (integrated with maximum number of different camera makes and models including ONVIF).

Avtron is dedicated to provide intelligent and reliable solutions for Public Address systems. We are one of the leading commercial & pro audio sound manufacturer for IP Speakers, IP PA and SIP PA, EVAC (Emergency Voice Evacuation) System, Various types of Speakers, Amplifier, Digital and Analog PA & Paging System, Wired/Wireless Conference System, Microphone, Volume Controller, Accessories etc. This system is used for announcements in high risk areas, emergency broadcast, and evacuation guidance that is ideal for multiple applications like professional solutions for Corporates, Hospitals, Schools, Institutions, Shopping Centers, Railway & Bus Stations, Stadiums, Airports, Critical industrial and explosive environments.

We proudly manufacture CE, FCC, BIS certified CCTV products along with RoHS compliance, Rigorous QC processes that are implemented in our manufacturing process yields the consistent quality product that we are proud, resulting in a quickest support on our products. We have global presence throughout North America, Latin America, Europe, Africa, Asia and Middle East.

With huge experience of the relevant Industry, we offer a wide range and high quality products at competitive price to meet different requirements for industry applications. Our goal is to provide innovative products and services technology that always serves a purpose.



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# AVTRON AI

AI-MODELS IN MINUTES



Local Camera



AI Analysis



Insights



## AVTRON AI

AVTRON AI is a DeepTech "NO-CODE" Platform.

Anyone can build their own AI USE CASE with our DEVTOOL in only 3 clicks.



UPLOAD



TRAIN



DEPLOY

Run your AI Projects with our state-of-the-art video intelligence platform with cloud & on-edge compatibility while saving you a huge amount of capital.

## Why Choose Us?

REVEAL INSIGHTS & AUTOMATE YOUR SOP, COMPLIANCE, ANOMALY, & SECURITY IN JUST A FEW CLICKS

Easy Setup

No AI Experts Required

No Additional Hardware Cost

Use in existing CCTV Infrastructure

Start Getting Insights In Few Hours

Successful Clientele in Manufacturing, Construction, Logistics, and more.

AI For All [DeepTech Platform](#) | [DevTool](#) | [Computer Vision](#)

## Democratizing AI at Enterprise Scale

### Safety & Security



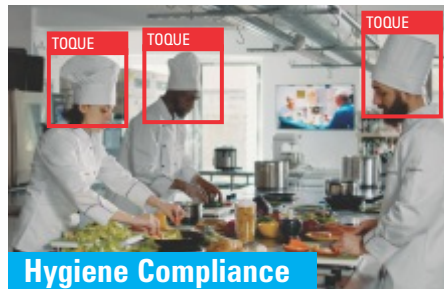
### SOP Monitoring



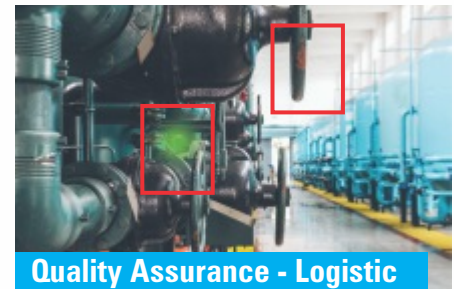
### QA-QC Manufacturing



### Safeguarding Unit



### Hygiene Compliance



### Quality Assurance - Logistic

# AVTRON VMS

## Cloud based intelligent Video Management System- VMS



### About Us

Managing multiple network cameras on LAN/WAN in an intelligent way provides the real scalability and flexibility for any video surveillance deployment. AVTRON's Systems offers Video Management Software / Video Management System which can virtually work with any IP Camera. It is capable of handling few to unlimited cameras.

Support for Azure, AWS & private NAS setup | On Prem and Cloud recording | PTZ Controls | Motion Detection recording

Support for all IP cameras | User defined roles & rights | Camera wise recording | Time lapse Viewing

## Radar Base 2 MP IP ANPR Camera

AM-FD2020-MA6-W

Features :

- 1/2.8" CMOS, 4X AF Lens 8~32mm
- 1920\*1080@100fps, 120dB Super WDR
- Built-in 3D Radar
- Integrated Cable Management, Alarm I/O -1/1
- IR Range-180 Meter, 0.001Lux@F1.2
- S+265/H.265/H.264, Audio I/O -1/1
- Support Radar, PoE, SD card up to 256GB, IP 67

**Opt. Model- 5 MP**



## 2 MP IP ANPR Camera

AM-FD2020-MA6

Features :

- 1/2.8" CMOS, Motorized 2.7~13.5mm
- 1920\*1080@100fps, 140dB Super WDR
- Integrated Cable Management, Alarm I/O -1/1
- IR Range-50 Meter, 0.001Lux@F1.2
- S+265/H.265/H.264
- IK10, PoE, SD card up to 256GB, IP 67

**Opt. Model- 5 MP**



## 4K Intelligent RAID NVR

AM-S216-UHD

Features :

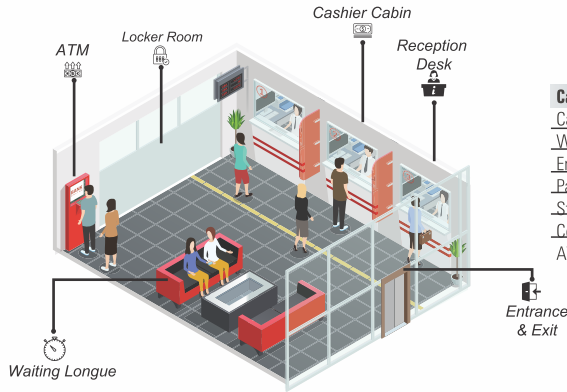
- 16-ch,Upto 4K IPC Input
- 160Mbps/160Mbps, Recording Resolution up to 4K, Alarm I/O -16/4
- JBOD,RAID0/1/5/6/10,ANR , N+M
- HDD Support- 4HDD(40TB)
- 2×RJ45 self-adaptive 10/100/1000 Mbps networking interfaces, 1xUSB 3.0 & 2xUSB 2.0
- LPR Report & VCA Detection Alarm is supported

**Opt. Model- 32Ch 4 Sata**



# Sector Wise Solutions

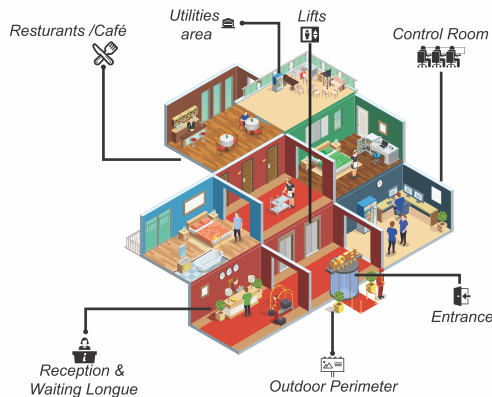
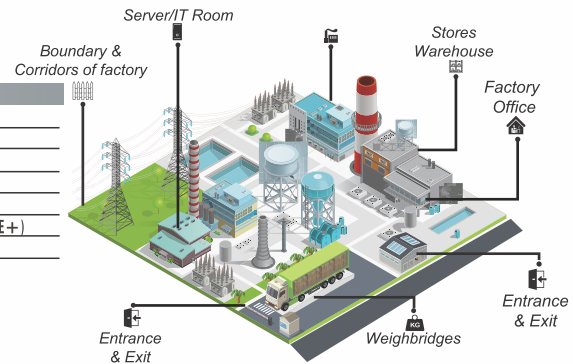
## Banking & Finance Institutions



Camera Location	Proposed Models
Cashier Cabin	AM-DM5035-FMR1 (5MP, MIC, SD Card, IK10)
Waiting & Reception	AM-DM2009-FMA1 (IVA, Wide Viewing)
Entrance & Exit	AM-SM2030-MMR3 (Motorized, MIC, SD Card, Alarm, IK10)
Parking & Boundary	AM-SM2060-MMR5 (Motorized, SD Card, Audio, Alarm, IK10)
Storage & Locker Room	AM-DM4035-FMR1 (4MP, MIC)
Control Room	AM-P1680-UHD (16HDD, 80CH, 2xRJ-45, Video Wall)
ATM Room	AM-DM2009-FMA1 (Indoor) AM-DM2069-FMA1 (Outdoor)

## Industries & Warehouses

Camera Location	Proposed Models
Entrance & Exit	AM-SM5060-MMR5 (5MP, WDR, Motorized, SD, Alarm, IK10)
Production Plant	AM-SF1299-PVR1 (Fisheye 360°) / AM-SM2060-MMR5
Loading & Unloading Bays	AM-SM5060-MMR5
Stores & Warehouse	AM-DM2069-FMA1, AM-SM2060-MMR5 (4MP/2MP)
Factory Office	AM-DM2009-FMA1, AM-SM2030-MMR3 (4MP/2MP)
Boundary & Corridors	AM-SM2060-MMR5, AM-FD2500-R1U25 (25X, 150M IR, PoE+)
Weighbridges	AM-SM5060-MMR5 (5MP, 120 WDR, Motorized, Alarm, IP67)
Server/IT Room	AM-i440-UHD (40CH), AM-i880-UHD (80CH), AA-4XIP (Onvif Keyboard)



## Hotels, Hospitals & Commercial Centers

Camera Location	Proposed Models
Floor & Lift Lobby	AM-DM5035-FMR1 (5MP, MIC, SD Card, IK10)
Entrance	AM-SM2030-MMR3 (Motorized, MIC, SD Card, Alarm, IK10)
OT Rooms	AM-DM2035-FMR1 (2MP, MIC, SD Card, IK10)
Waiting & Reception	AM-SM2030-MMR3
Lifts	AM-DM2009-FMA1
Outdoor Perimeter	AM-SM2060-MMR5 (Motorized, SD Card, Audio, Alarm, IK10)
Parking area	AM-SM2060-MMR5 & AM-FD2500-R2U33 (33X, 2MP, 150M IR)
Utilities rooms	AM-DM4035-FMR1 (4MP, MIC)
Restaurants & Café	AM-DM2035-FMR1 (2MP, MIC, SD Card, IK10)
Control Room	AM-i880-UHD (8HDD, 80CH, 2xRJ45/HDMI), Keyboard Controller

## 2 MP IP Dome Camera

AM-DM2009-FMA1

### Features :

- 1/2.8" CMOS, F2.0, Fixed Iris
- 1920x1080@25fps, Digital WDR
- Built-in mic Support
- Inbuilt Video Analytics Support Tripwire/Perimeter
- IR Range-30 Meter, 0.02Lux
- S+265/H.265/H.264
- IP66, PoE



## 2 MP IP Bullet Camera

AM-DM2069-FMA1

### Features :

- 1/2.8" CMOS, F2.0, Fixed Iris
- 1920x1080@25fps, Digital WDR
- Built-in mic Support
- Inbuilt Video Analytics Support Tripwire/Perimeter
- IR Range-50 Meter, 0.02Lux
- S+265/H.265/H.264
- IP67, PoE



## 2 MP IP Dome Camera

AM-DM2035-FMR1

### Features :

- 1/2.8" CMOS, F1.6, Fixed Iris
- 1920x1080@25fps, 120dB WDR
- Built-in mic Support, Vandal Proof
- Inbuilt Video Analytics Support Tripwire/Perimeter
- IR Range-30 Meter, 0.002Lux
- S+265/H.265/H.264
- IP67, PoE, IK10, 512 GB SD Card



## 2 MP IP Dome Color Maker Camera

AM-UM2009-FMA1

### Features :

- 1/2.8" CMOS, F1.6, Fixed Iris
- 1920x1080@30fps, 120dB
- Built-in mic Support
- Inbuilt Video Analytics Support Tripwire/Perimeter
- IR Range-15~20 Meter, 0.0008Lux
- S+265/H.265/H.264
- IP66, PoE, 512 GB SD Card



## 2 MP IP Bullet Color Maker Camera

AM-UM2069-FMA1

### Features :

- 1/2.8" CMOS, F1.6, Fixed Iris
- 1920x1080@30fps, 120dB
- Built-in mic Support
- Inbuilt Video Analytics Support Tripwire/Perimeter
- IR Range-15~20 Meter, 0.0008Lux
- S+265/H.265/H.264
- IP67, PoE, 512 GB SD Card



## 4 MP IP Dome Camera

AM-DM4035-FMR1

### Features :

- 1/2.7" CMOS, F1.6, Fixed Iris
- 2560x1440@25fps, Digital WDR
- Built-in mic Support, Starlight
- Inbuilt Video Analytics Support Tripwire/Perimeter
- IR Range-30 Meter, 0.002Lux
- S+265/H.265/H.264
- IP66, PoE



## 4 MP IP Dome Color Maker Camera

AM-UM4035-FMR1

### Features :

- 1/2.8" CMOS, F1.0, Fixed Iris
- 2592x1520@25fps, 120dB WDR
- Built-in mic Support
- Inbuilt Video Analytics Support Tripwire/Perimeter
- IR Range-15~20 Meter, 0.0008Lux
- S+265/H.265/H.264
- IP66, PoE, 512 GB SD Card



## 4 MP IP Bullet Color Maker Camera

AM-UM4064-FMA2

### Features :

- 1/2.8" CMOS, F1.0, Fixed Iris
- 2592x1520@25fps, 120dB WDR
- Built-in mic Support
- Inbuilt Video Analytics Support Tripwire/Perimeter
- IR Range-15~20 Meter, 0.0008Lux
- S+265/H.265/H.264
- IP67, PoE, 512 GB SD Card



## 4 MP IP Bullet Camera

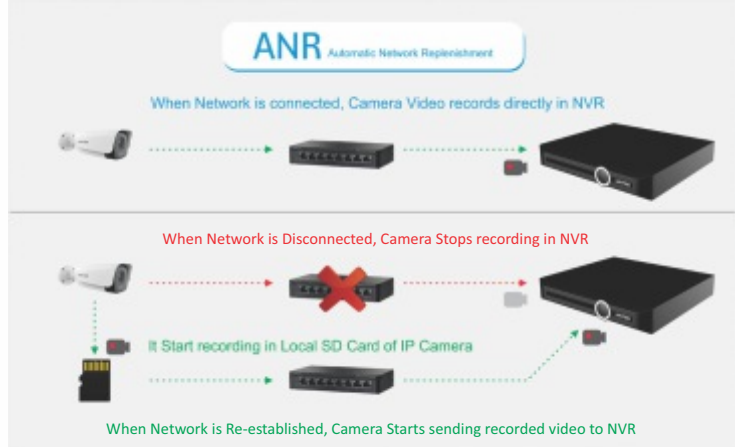
AM-DM4064-FMA2

### Features :

- 1/2.7" CMOS, F1.6, Fixed Iris
- 2560x1440@25fps, Digital WDR
- Built-in mic Support, Starlight
- Inbuilt Video Analytics Support Tripwire/Perimeter
- IR Range-50 Meter, 0.002Lux
- S+265/H.265/H.264
- IP67, PoE



# Two-Way Intercom ANR (Automatic Network Replenishment)



## Two-Way Darkwarrior IP Camera

## 5 MP IP Dome Camera

AM-DM5035-FMR1

### Features :

- 1/2.8" CMOS, F1.6, Fixed Iris
- 2592 × 1944@20fps,120dB WDR
- Built-in mic Support, Audio I/O -1/1
- Inbuilt Video Analytics Support Tripwire/Perimeter
- IR Range-30 Meter, 0.002Lux
- S+265/H.265/H.264, Alarm I/O -1/1
- IP66, PoE, IK10, 512 GB SD card



## 5 MP IP Bullet Camera

AM-DM5069-FMA1

### Features :

- 1/2.8" CMOS, F1.6, Fixed Iris
- 2592 × 1944@20fps,120dB WDR
- Built-in mic Support, Audio I/O -1/1
- Inbuilt Video Analytics Support Tripwire/Perimeter
- IR Range-50 Meter, 0.002Lux
- S+265/H.265/H.264, Alarm I/O -1/1
- IP66, PoE, 512 GB SD card



## 2 MP Mini Dome Camera

AM-DM2064-FMA2

### Features :

- 1/2.8" CMOS, F1.6, Fixed Iris
- 1920x1080@25fps,120dB WDR
- Inbuilt Video Analytics Support
- Tripwire/Perimeter, Human/Vehicle Classification, IR Range-30 Meter, Audio I/O -1/1
- S+265/H.265/H.264, Alarm I/O -1/1
- IP67, PoE, IK10, 512 GB SD card
- Opt. Model:** 5 MP



## 8 MP IP Dome Camera

AM-DM8035-FMR1

### Features :

- 1/2.8" CMOS, F1.6, Fixed Iris
- 3840x2160@20fps,120dB WDR
- Built-in mic Support
- Inbuilt Video Analytics Support Tripwire/Perimeter
- IR Range-30 Meter, 0.003Lux
- S+265/H.265/H.264
- IP66, PoE, IK10,512 GB SD card



## 8 MP IP Bullet Camera

AM-DM8064-FMA2

### Features :

- 1/2.8" CMOS, F1.6, Fixed Iris
- 3840x2160@20fps,120dB WDR
- Built-in mic Support
- Inbuilt Video Analytics Support Tripwire/Perimeter
- IR Range-50 Meter, 0.003Lux
- S+265/H.265/H.264
- IP67, PoE, 512 GB SD card



## 5 MP Fisheye Camera

AM-SF1299-PVR1

### Features :

- 1/2.7" CMOS, F2.0, Fixed Iris
- 2592x1944@25fps,120dB WDR
- Built-in mic Support, audio I/O -1/1
- Inbuilt Video Analytics Support Tripwire/Perimeter, Heatmap
- IR Range-30 Meter, 0.02Lux
- S+265/H.265/H.264, alarm I/O -1/1
- IP67, PoE, IK10,512 GB SD card
- Opt. Model:** 12 MP



# 8 MP - 5 MP - 2 MP Motorised & 2-WAY IP Cameras

## Motorized Dome Camera

AM-SM2030-MMR3

### Features :

- 1/2.8" CMOS, Motorzied 2.7-13.5mm
- 1920x1080@30fps,120dB WDR
- Built-in mic Support, Audio I/O -1/1
- More than 12 Inbuilt Video Analytics
- IR Range-30 Meter, 0.002Lux
- S+265/H.265/H.264, Alarm I/O -1/1
- IP66, PoE, IK10, 512 GB SD card
- Opt.Model:** 5 MP, 8 MP



## Motorized Bullet Camera

AM-SM2060-MMR5

### Features :

- 1/2.8" CMOS, Motorzied 2.7-13.5mm
- 1920x1080@30fps,120dB WDR
- Built-in mic Support, audio I/O -1/1
- More than 12 Inbuilt Video Analytics
- IR Range-80 Meter, 0.002Lux
- S+265/H.265/H.264, alarm I/O -1/1
- IP67, PoE, IK10, 512 GB SD card
- Opt.Model:** 5 MP, 8 MP



## 2 Way Motorized 5 MP IP Dome Camera

AM-SM5030-MMR3

### Features :

- 1/2.8" CMOS, Motorzied 2.7-13.5mm
- 2880x1620@25fps,120dB WDR
- Built-in mic & Speaker Support
- More than 12 Inbuilt Video Analytics
- IR Range-30 Meter, 0.002Lux, Audio I/O -1/1
- S+265/H.265/H.264, Alarm I/O -1/1
- IP66, PoE, IK10, 512 GB SD card
- Opt.Model:** 8 MP



## 2 Way Motorized 5 MP IP Bullet Camera

AM-SM5060-MMR5

### Features :

- 1/2.8" CMOS, Motorzied 2.7-13.5mm
- 2880x1620@25fps,120dB WDR
- Built-in mic & Speaker Support
- More than 12 Inbuilt Video Analytics
- IR Range-50 Meter, 0.002Lux, Audio I/O -1/1
- S+265/H.265/H.264, Alarm I/O -1/1
- IP67, PoE, IK10, 512 GB SD card
- Opt.Model:** 8 MP



# Advanced Virtual Guard Technology



**Advanced Auto Tracking High Speed IP PTZ Camera**

### 25X 2 MP Smart IR Mini Type PTZ

AM-FD2500-R1U25

Features :

- 1/2.8" Starlight sensor, 1080P@30fps,0.001Lux@F1.5
- IR Range-150 Meter,140dB WDR, 4.8mm~120mm
- Optical Zoom: 25×, Digital Zoom 16×
- Audio I/O-1/1, Alarm I/O-1/1,
- IVA feature Supported
- S+265/H.265/H.264, TVS 6000V protection
- IP66, PoE, IK10, 512 GB SD card



### 33X 2MP Auto-Tracking IP PTZ

AM-FD2500-R2U33

Features :

- 1/2.8" Starlight sensor, 1080P@30fps,0.001Lux@F1.5
- IR Range-150 Meter,140dB WDR, 4.6mm~152mm
- Optical Zoom: 33×, Digital Zoom 16×
- Audio I/O-1/1, Alarm I/O-1/1,
- Support Human/Vehicle Classification, Support Auto-tracking, And many IVA features
- S+265/H.265/H.264, TVS 6000V protection
- IP66, PoE, IK10, 512 GB SD card



### 63X 4 MP Auto-Tracking Early warning IP PTZ

AM-XD2500-THU63

Features :

- 1/1.8" SuperStarlight CMOS, 2592\*1944@30fps.; 0.0008Lux@F1.6
- IR Range: 300m,Laser Distance: 500m,140dB WDR, 5.7-359mm
- Optical Zoom: 63×, Digital Zoom 16×
- Audio I/O-1/1, Alarm I/O-8/2,Built-in Speaker
- Support Human/Vehicle Classification, Support Auto-tracking, And many IVA features
- S+265/H.265/H.264, TVS 6000V protection
- IP66, PoE, IK10, 512 GB SD card, Built-in Wiper



### 30X 5 MP Auto-Tracking IP PTZ

AM-XD2500-R4U30

Features :

- 1/2.8" Starlight CMOS, 2880\*1620@30fps.; 0.0008Lux@F1.6
- IR Range: 200m,140dB WDR, 4.7mm~141mm
- Optical Zoom: 30×, Digital Zoom 16×
- Audio I/O-1/1, Alarm I/O-8/2
- Support Human/Vehicle Classification, Support Auto-tracking, And many IVA features
- S+265/H.265/H.264, TVS 6000V protection
- IP66, PoE, IK10,512 GB SD card



### 44X 5 MP Auto-Tracking Early warning IP PTZ

AM-FD6255-R3U44-FSR

Features :

- 1/2.8" Starlight sensor, 2592\*1944@30fps,0.0008Lux@F1.6
- IR Range: 200m,140dB WDR, 6mm~264mm
- Optical Zoom: 44×, Digital Zoom 16×
- Audio I/O-1/1, Alarm I/O-8/2,Built-in Speaker
- Support Human/Vehicle Classification, Support Auto-tracking, And many IVA features
- S+265/H.265/H.264, TVS 6000V protection
- IP66, PoE, IK10,512 GB SD card, Built-in Wiper



### 44X 8 MP Auto-Tracking Early warning IP PTZ

AM-XD2500-THU44

Features :

- 1/1.8" Super Starlight sensor, 3840×2160@30fps,0.001Lux@F1.6
- IR Range: 300m,Laser Distance: 500m,140dB WDR,5.7mm~250mm
- Optical Zoom: 44×, Digital Zoom 16×
- Audio I/O-1/1, Alarm I/O-8/2,Built-in Speaker
- Support Human/Vehicle Classification, Support Auto-tracking, And many IVA features
- S+265/H.265/H.264, TVS 6000V protection
- IP66, PoE, IK10,512 GB SD card, Built-in Wiper



## APPLICATIONS

### Playgrounds & Parks



### Industries & Warehouses



### Airports & Railway Stations



# Network Video Recorder (NVR)



## Enterprise & Intelligent Embedded NVR

- Hot-Swappable 24HDD
- RAID60, N+M, 1.9G
- Dual SMPS
- NVR Range from 10CH to 160CH
- 4xRJ-15/Optical
- IVA & Smart Search

### 4K Hot-Swap 160Ch 24 SATA NVR

AM-P24160-UHD

Features :

- 160-ch,Upto 12MP IPC Input
  - 1280Mbps/640Mbps, recording resolution up to 12MP, Alarm I/O-8/4
  - JBOD,RAID0/1/5/6/10/60,ANR , N+M
  - Hot-swap 24HDD(240TB)
  - 4×RJ45 self-adaptive 10/100/1000 Mbps network interfaces, 2xUSB 3.0 & 2xUSB 2.0"
  - VCA Detection Alarm is supported
- Opt.Model:** 160ch 16 SATA, 80Ch 16 SATA



### 4K Intelligent 80Ch 8 SATA NVR

AM-i880-UHD

Features :

- 80-ch,Upto 12MP IPC Input
  - 320Mbps/320Mbps, recording resolution up to 12MP, Alarm I/O-16/4
  - JBOD, RAID0/1/5/6/10, ANR , N+M
  - HDD Support- 8HDD(80TB)
  - 2×RJ45 self-adaptive 10/100/1000 Mbps network interfaces, 1xUSB 3.0 & 2xUSB 2.0"
  - VCA Detection Alarm is supported
- Opt.Model:** 40Ch 8 SATA



### 4K Intelligent 40Ch 4 SATA NVR

AM-i440-UHD

Features :

- 40-ch,Upto 12MP IPC Input
  - 400Mbps/400Mbps, recording resolution up to 12MP
  - JBOD,RAID0/1/5/6/10,ANR , N+M
  - HDD Support- 4HDD(40TB)
  - 2×RJ45 self-adaptive 10/100/1000 Mbps network interfaces, 1xUSB 3.0 & 2xUSB 2.0"
  - VCA Detection Alarm is supported
- Opt.Model:** 40Ch 2 SATA



### 4K Intelligent 32Ch 4 SATA NVR

AM-i432-UHD

Features :

- 32-ch,Upto 4K IPC Input
  - 160Mbps/48Mbps, recording resolution up to 8MP, Alarm I/O-4/1
  - HDD Support- 4HDD(40TB)
  - 2×RJ45 self-adaptive 10/100/1000 Mbps network interfaces, 1xUSB 3.0 & 2xUSB 2.0
  - VCA Detection Alarm is supported
- Opt.Model:** 32ch 2 SATA



### 4K Intelligent 20Ch 2 SATA NVR

AM-i220-UHD

Features :

- 20-ch,Upto 4K IPC Input
- 160Mbps/64Mbps, recording resolution up to 8MP, Alarm I/O-4/1
- HDD Support- 2HDD(20TB)
- 2×RJ45 self-adaptive 10/100/1000 Mbps network interfaces, 1xUSB 3.0 & 2xUSB 2.0
- VCA Detection Alarm is supported



### Intelligent 10Ch 1 SATA NVR

AM-S110-UHD

Features :

- 10-ch,Upto 6MP IPC Input
- 50Mbps/40Mbps, recording resolution up to 6MP, Alarm I/O-4/1
- HDD Support- 1HDD(10TB)
- 1×RJ45 self-adaptive 10/100/1000 Mbps network interfaces, 1xUSB 3.0 & 2xUSB 2.0
- VCA Detection Alarm is supported



## APPLICATIONS

### Call Centre



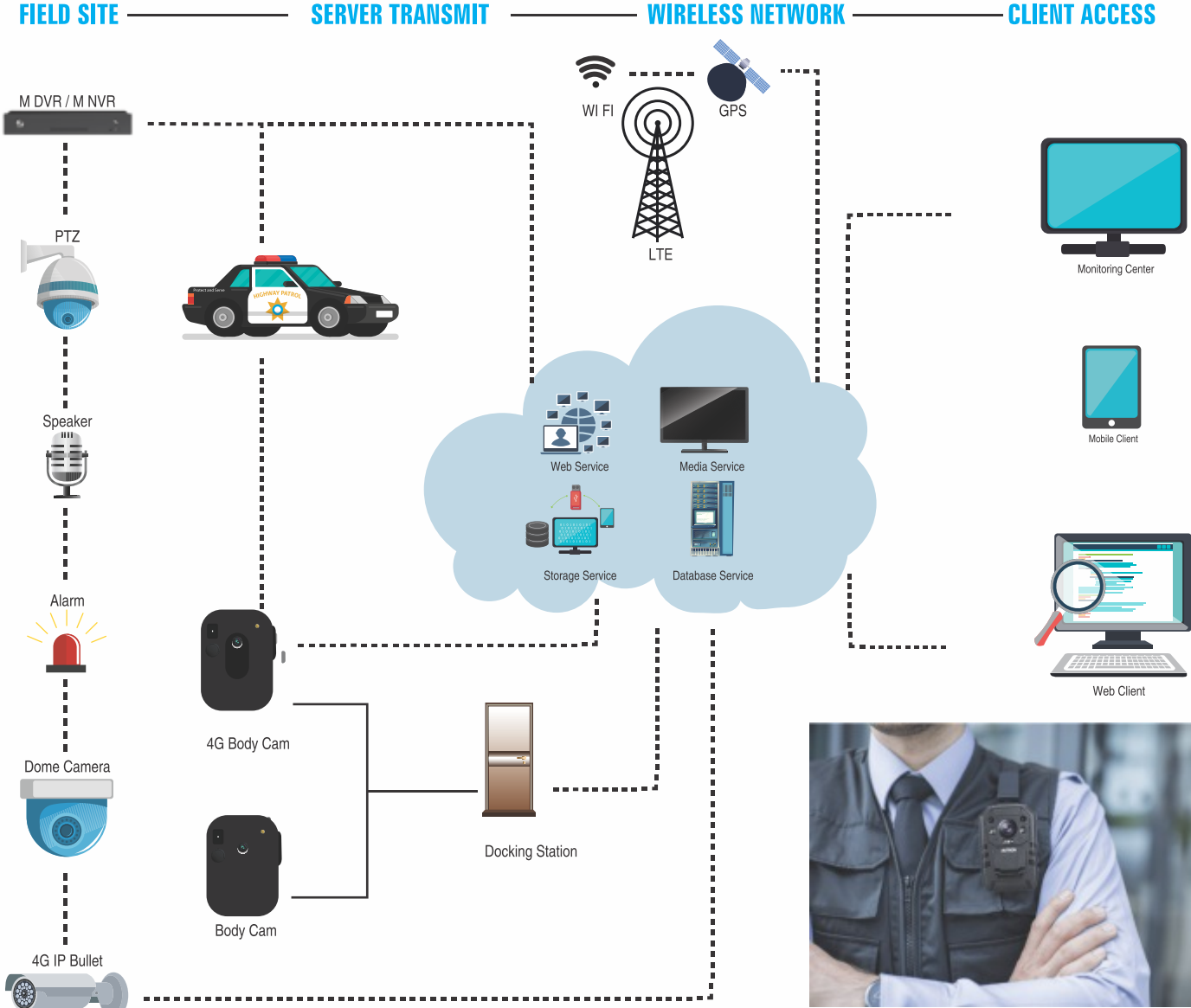
### Defence & Security



### Banking & Finance



# Body Worn and Mobile Surveillance Solutions



### Wifi & GPS Base 32 MP Body Worn Camera

AM-BW21741

Features :

- 32 Megapixel Camera
- 3500MAH Battery , 11hours worktime
- 1600P Super HD Video
- One Touch Recording , 140°field of view
- Built-in GPS Optional
- 32GB/64GB /128GBavailable WiFi AP MODE
- IP 67 waterproof ,drop and shock resistant



### 4G Body camera

AM-BW3273

Features :

- Android system bodycamera with 4G gps wifi optional
- H.265 High performance code technology
- Wireless Transmisson, 4G/ WIFI Live Streaming
- 4G/ WIFI Live Streaming , Wireless Charing
- Digital Intercom
- Encryption technology to protect data security

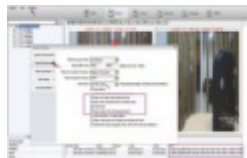


### Server Software

AM-BWGS

Features :

- Server Software
- GPS Tracking Software
- Auto & Manual Downloading
- Data Tracking, User Authorization
- Playback, Backup Function
- Browser Support



### Accessories

BWC Accessories

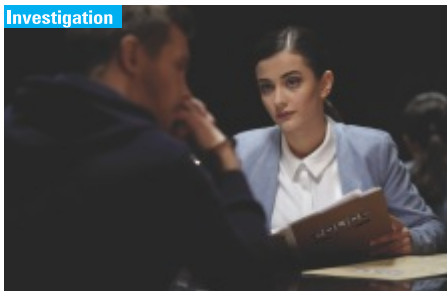
Features :

- Optional shouder hanging Clip
- Optional belt clip
- Optional Magnetic mount
- Carrying Case
- Optional Vehicle Bracket
- Car charge

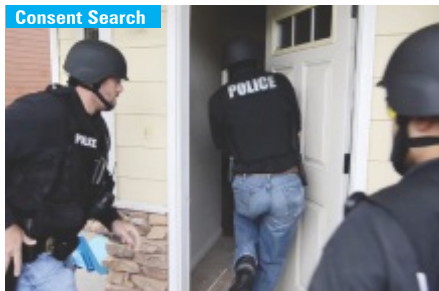


## APPLICATIONS

### Investigation



### Consent Search



### Traffic Monitoring



### ONVIF Keyboard Controller

AM-4XIP

Features :

- 4-axis IP joystick
- ONVIF 2.4 protocol, realize the control to PTZ
- Support Auto-search, automatically add and allocate IP address by K eyboard
- Support operating ip ptz many functions, such as focus, zoom, iris, preset, patrol etc
- Photoelectric joystick



### Mobile NVR

AT-04MV-IP 2 MP

Features :

- MDVR + AI, H.265, 1080P AHD
- GPS Tracking
- With 4G, GPS, WIFI (Optional)
- Support 4ch 1080P AHD input and CVI, TVI, CVBS
- Dual SD cards
- 4 channels 1080P recording



### Mobile NVR

AT-04MV-HD

Features :

- 1080P AHD HDD Mobile DVR
- GPS Tracking
- With 4G GPS, WIFI (Optional)
- HDD + SD Card Storage (Support 2.5" HDD, max256G SD Card)
- Support IOS/Android Phone Remote monitor
- support USB port data backup



### SPD Camera Accessories

IP/Analog Speed Dome

Features :

- Aluminum Body
- 12Kg Weight Capacity
- Wall Mount, Pendant Mount
- Pole Mount, Corner Mount
- Power Coated, Cable Managed
- Beige White or Cream White Color



### Camera Mount

BOX/Bullet/Dome Camera

Features :

- Aluminum Body
- 4Kg Weight capacity
- In/Outdoor Wall Mount
- Support for AVTRON Cameras
- Power Coated JB, Cable Managed
- Beige White or Cream White Color



## APPLICATIONS

### CCTV Control Rooms



### School Bus Management Software



### Outdoor





# AVTRON Audio Solutions



**Speakers, Amplifiers, EVAC System, SIP & IP PA System  
Intelligent Paging, Analog PA, Microphone, Volume Controller**

# Pure & Solid Sound



## 2 Way Speaker

- 2-Way (Bass & Treble)
- Up to 80W
- SPL 110dB
- LMT/80hms



## Explosion & Fire Proof Speakers

- Explosion-proof EXDII CT6
- Zone 0, 1, 2
- Class IIA, IIB, IIC
- Temp. Grade T1 to T6

## Hi Power Subwoofer Ceiling

AP-C102Z 10" 240W

### Features :

- 10" Woofer, 2 Tweeter
  - SPL Max.112dB, 45Hz-20KHz
  - 120 / 60 / 30W, 240W@8Ω
  - Metal, Black Back Box, White
- Opt. Model & Features**  
1.5W ~ 240W Speaker(Round & Square),  
4~ 10 DIA.



## 2 Way Hi Power Wall Mount

AP-W39/W80W

### Features :

- 8" Woofer, 1"x2 Treble Speaker
  - SPL Max.110dB, 60Hz-18KHz
  - 80W/40W/20W, 100V LMT
  - 90x80° Dispersion Angle
  - White (RAL 9010)
- Opt. Model & Features**  
1.5W ~ 200W, Line Array, Metal Case, 4" ~ 8" Speaker



## Elegant Column Mount

AP-CS80 120W

### Features :

- 6" x 6 Full Range Speaker
  - SPL Max.118dB, 130Hz-16KHz
  - 120W/60W/30W, 70V/100V LMT
  - 80x100° Dispersion Angle
  - Metal, White, Indoor/Outdoor
- Opt. Model & Features**  
10W ~ 120W, 2.5", 4", 6" Sp ea



## Fire & Explosion-Proof

AP-H115EX 15W

### Features :

- 6" Woofer, 1" Treble Speaker
  - SPL Max.115dB, 350Hz-100KHz
  - 25W, 670 Ω, 100V/70V LMT
  - Designed According to EXDII CT6 & EN54-24VAC
- Opt. Model & Features**  
3W & 6W Fire Resistant, 15W ~ 50W Explosion-proof  
Zone 0, 1, 2, class of IIA, IIB & IIC & Temp. grade T1 to T6



## Pendant and Projection

AP-P25/D 20W

### Features :

- 2 x 6.5" full range Woofer
  - SPL Max.103dB, 15KHz
  - 20W/10W/5W, 100V LMT
  - 320° Dispersion Angle
  - White, Aluminum, Wall/Corridor
- Opt. Model & Features**  
2.5W ~ 30W, ABS/Metal Case, 5"/6" Speaker



## Bluetooth Powerful Sound

AP-BC250 100W

### Features :

- 2 x 50W Master/Slave
  - 400mV Input Sensitivity
  - Adopt 4.2+BR+EDR+BLE Bluet
  - 16bit DAC DAP, SPL 93dB
  - ABS, IRON Grille, White(RAL 9010)
- Opt. Model & Features**  
2x15W, 2x20W, 2x30W  
2-Way, 5"/6.5"/8" woofer, 4 Pair



## Garden, Landscape & Lamp

AP-G57 50W 6"

### Features :

- 6 1/2" Woofer Speaker
  - SPL Max.109dB, 80Hz-16KHz
  - 50W, 100V/70V LMT
  - Fibre Resin enclosure, Grey
- Opt. Model & Features**  
10W, 20W, 30W, 100W  
ABS, Aluminum, 2-Way, Co-Axial



## In/Outdoor Horn Speaker

AP-H50 50W Mini

### Features :

- 50W/30W, 100V/70V LMT
  - SPL Max.112dB, 18KHz
  - IP66, ABS Enclosure
  - Light Grey
- Opt. Model & Features**  
15W, 30W, 50W  
ABS, Aluminum



## Active WIFI Bluetooth

AP-AW640 60W 5"

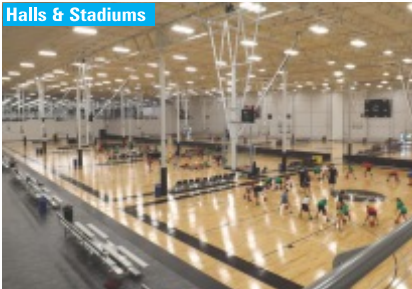
### Features :

- 2x30W Master/Slave
  - 400mV Input Sensitivity
  - Adopt 4.2+BR+EDR+BLE Blur
  - 2.4Ghz Wi-Fi, SPL 95dB
  - ABS, IRON Grille, White(RAL 9010)
- Opt. Model & Features**  
2x20W, 2-Way, 5" woofer



## APPLICATIONS

### Halls & Stadiums



### Offices & Showrooms

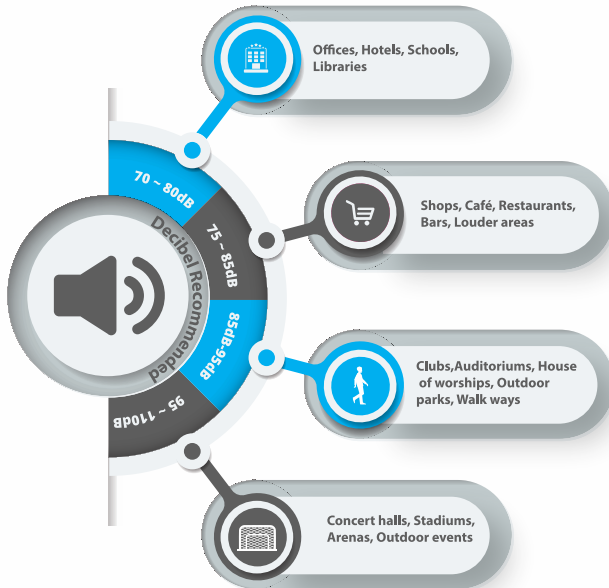


### Transportation Centers



# Selection Guide for Speakers and Amplifiers

## SPEAKERS



## AMPLIFIERS

Standard PA Amplifier Calculation:  $\text{Speaker Wattage} \times \text{Speaker QTY} \times \text{Buffer Power Load} = \text{Required Wattage}$

### Speaker Wattage 6W

Ceiling Speaker 6"

Speaker Quantity : 25pcs | Buffer Power or cable loss : 20% excess load  
Estimated Wattage : 180W approx.

### Speaker Wattage 15W

Wall mount

Speaker Quantity : 25pcs | Buffer Power or cable loss : 20% excess load  
Estimated Wattage : 450W approx.

### Speaker Wattage 30W

Horn/Column

Speaker Quantity : 25pcs | Buffer Power or cable loss : 20% excess load  
Estimated Wattage : 900W approx.

### Speaker Wattage 80W

2-Way Speaker

Speaker Quantity : 25pcs | Buffer Power or cable loss : 20% excess load  
Estimated Wattage : 2400W approx.

\*Proposed dB sound and requirement can vary accordingly subject to environment ambient sound



## High To Low Power Amplifier

## Zone Paging Amplifier

AP-ZP500 6 Zone

Features :

- 6 Zone Paging Enabled
- Zone & Paging Control
- 500W RMS, MIC, Line In/Out Output
- USB/SD MP3, FM, Bluetooth
- Aux, 70V/100V, 4/8/16 Ohms
- VOX Priority, 19" 2U, 220V

**Opt. Model & Features**

350W, 240W, 120W, 60W



## PA HIGH Power Amplifier

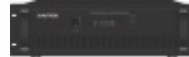
AP-PA2000 2000W

Features :

- 2000W RMS Output
- 70V/100V, 4/8/16 Ohms
- Auto Control FAN
- Overload, Clip Protect
- Line In/Out, Volume Control
- 19" Rack mount, 220V

**Opt. Model & Features**

30W, 60W, 120W



## PA POWER Amplifier

AP-MA650 660W

Features :

- 660W RMS Output
- Line In/Out, Volume Controller
- 70V/100V, 4/8/16 Ohms
- Overload, Short Circuit
- 19" Rack Mount, 220V

**Opt. Model & Features**

120W, 240W, 360W, 4600W



## Pro. Mixer Amplifier Tuner

AP-MA500TU 500W

Features :

- 500W RMS Output
- USB/SD MP3, FM, Bluetooth
- MIC, Line In/Out, Aux
- 4/8/16 Ohms
- VOX Priority, 19" Rack mount, 220V

**Opt. Model & Features**

30W, 60W, 120W



## Mini Desktop with Tuner

AP-DM30TM 30W

Features :

- 30W RMS Output
- USB/SD MP3, FM, Bluetooth
- MIC, Line In/Out, Aux
- 70V/100V, 4/8/16 Ohms
- VOX Priority, Tabletop, 220V

**Opt. Model & Features**

30W, 60W, 120W



## Eco. Mixer Amplifier Tuner

AP-SSA500 500W

Features :

- 500W RMS Output
- USB/SD MP3, FM, Bluetooth
- MIC, Line In/Out, Aux
- 70V/100V, 4/8/16 Ohms
- 19" Rack Mount, 220V

**Opt. Model & Features**

60W, 100W, 160W, 250W, 300W, 350W



## APPLICATIONS

### Auditorium & Outdoor Events



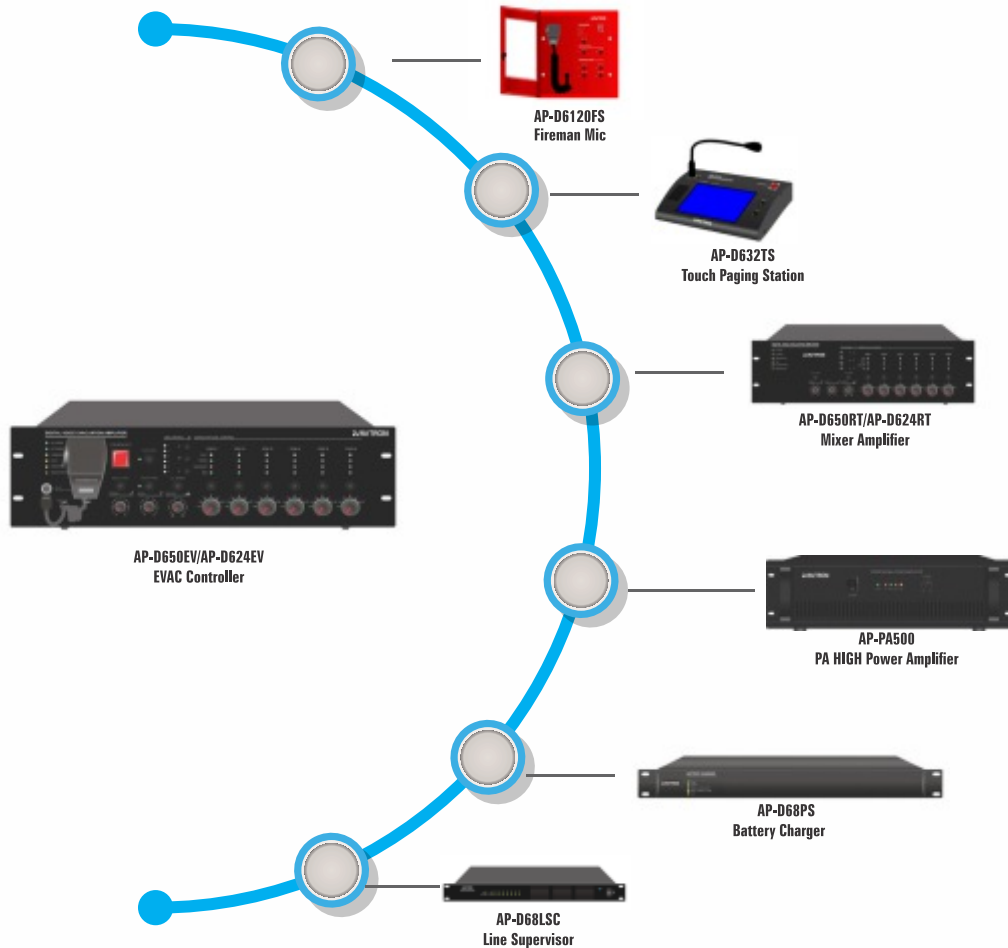
### Disco Clubs & Restaurant



### Apartment & Corporates



# Emergency Voice Evacuation (EVAC) System



**EVAC System is useful to broadcast music & voice messages for background music or alarm messages to evacuate the premises in case of emergency and can be announced by automatic or manual**

## EVAC Controller

AP-D850EV 500W

Features :

- 500W EVAC Controller
- Built-in 8 Zones, 120Zones Exp.
- Alarm, EVAC, Speaker Out
- Auto Changeover RAID Amplifier
- Exp. Router, Ext. Amplifier Port
- MIC/Line Input, RJ-45(100M)

### Opt. Model & Features

6 Zone 500W & 240W



## Touch Paging Station

AP-D632TS Touch

Features :

- 7" LCD, 3W Monitor Speaker
- All Zone, Single Zone Paging
- Online/Offline 2-Way talk
- Line In/Out, Relay, CAT

### Opt. Model & Features

Keypad Paging Station



## EVAC Integration Unit

AP-D68LSC 8Lines

Features :

- 8 Lines Super & Amp. Changeover
- In/Output Control
- Zone Capa. 500W/100V
- Redundant Amplifier(1+8)
- 19" Rack Mount, 24VDC

### Opt. Model & Features

Fireman Control, Battery back up, EVAC Speaker



## EVAC Router

AP-D850RT 500W

Features :

- 6 Zone Router
- Built-in 500W 6 zone class-D amplifier.
- Voice alarm messages receiving from master controller
- speaker line ,amplifier, AC&DC failure
- MIC/Line Input, RJ-45, Rs485

### Opt. Model & Features

6 Zone 500W & 240W



## Keypad Paging Station

AP-812PS

Features :

- Gooseneck or PTT Microphone
- Keypad, Exp. 128Zones
- Zone Paging, All Zone
- Recording, MIC/Line In

### Opt. Model & Features

6 Zone 500W & 240W



## Zone Expander

AP-D12ZS

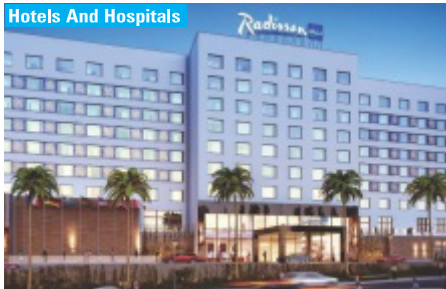
Features :

- Each zone expansion keypad supports 12 zone selections.
- Connecting one of these keypads to 12 zones or zone groups that can be selected
- LEDs on the keypad indicate the active zones
- 12 zone selection keys and 12 zone selection LEDs
- Total system capacity of 120 zones.



## APPLICATIONS

### Hotels And Hospitals



### Data Centre



### Shopping Malls



# Today's IP PA Technology for Tomorrow's Demand



## IP Public Address System

- PoE Powered
- Supports LAN/WAN
- Multiple 6000 Zones
- Off line Talk-back (Without Server)
- Encoder, Decoder, Matrix Function

## PA System Software

AP-N9A500

Features :

- Unified managements
- Single/Multiple Zone Paging
- Weekly Timers, Broadcasting
- Monitoring, Intercom, Setup
- Different Audio Source
- Win7, Encoders

**Opt. Model & Features**

Pro. PA Software, Backup RAID Units



## Paging Station

AP-N9EPM30 Touch

Features :

- 7" LCD, 3W Monitor Speaker
- Zone Paging, Group Paging
- All zone, 2-Way Intercom
- MIC/Line/USB Input, RJ-45(100M)
- TCP/IGMP/UDP, MP3

**Opt. Model & Features**

Keypad Paging Station



## Mini Amplifier

AP-N9EWA 30W

Features :

- 2x30W Hi-Fi Sound Out
- CH1, CH2, RJ-45(100M)
- Dual-Core ARM Processor
- TCP/IGMP/UDP, MP3
- MIC/Line/Audio In, DC-24V

**Opt. Model & Features**

Audio Router



## PA Mixer Amplifier

AP-NA500 500W

Features :

- 500W Amplifier
- 100V, 4/8/16 Ohms
- Streaming, Decoding Audio
- MIC/Line Input, RJ-45(100M)
- 19" Rack, 220V

**Opt. Model & Features**

30W, 60W, 120W



## Integration Unit

AP-N9FI Fire Interface

Features :

- 16/32 Input Control
- Multiple Alarm Matrix Control
- MIC Jack for Emergency
- MIC/Line Input, RJ-45(100M)
- TCP/IGMP/UDP/ARP/ICMP

**Opt. Model & Features**

Telephone Interface, Decoder, Router, Pre Amp



## Network Ceiling Speaker

AP-NC10P 6" PoE

Features :

- 10W/6W RMS Out
- 6" Speaker, Built-in Amplifier
- DC12V or PoE 802.3af/802.at
- SPL 92dB, TCP/UDP/IGMP
- MP3/MP2, RJ-45
- Emergency Input/Button

**Opt. Model & Features**

Without PoE



## Wall Mount

AP-NW15P 15W PoE

Features :

- 15W RMS Out, Built-in Amplifier
- DC12V or PoE 802.3af/802.at
- SPL 100dB, TCP/UDP/IGMP
- Dual-Core ARM Processor
- MP3/WMA/WAV, RJ-45

**Opt. Model & Features**

Without PoE



## Horn Outdoor

AP-NH15P 15W PoE

Features :

- 15W RMS Out, Built-in Amplifier
- DC12V or PoE 802.3af/802.at
- SPL 100dB, TCP/UDP/IGMP
- MP3/WMA/WAV, RJ-45
- ABS, Outdoor IP67, Oval

**Opt. Model & Features**

15W/ 30W, Without PoE, Round



## PA Column Speaker

AP-NC120 120W

Features :

- 120W RMS Out, Built-in Amplifier
- DC12V or PoE 802.3af/802.at
- SPL 100dB, TCP/UDP/IGMP
- MP3/WMA/WAV, RJ-45
- ABS, Outdoor IP67, Oval

**Opt. Model & Features**

15W/ 30W, Without PoE, Round



## APPLICATIONS

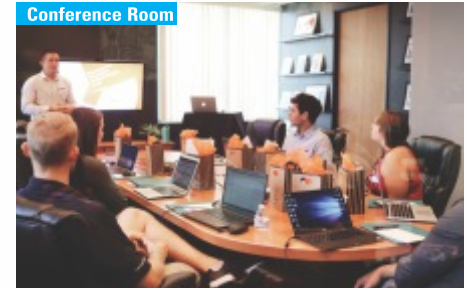
### Commercial Building



### School Campus



### Conference Room



# Delivers Flexibility, Scalability, Power, and Performance with a Modular Design



## SIP Based Public Address Solutions

## SIP Touch Paging Station

AP-S9SPM Touch

Features :

- SIP Paging Console, 7" LCD
- Compatible with HUAWEI, CISCO, AVAYA, ALCATEL, MITEI, 3CX Server
- 2-Way Intercom, 3W Speaker
- Line In/Out, RJ-45, G.711
- SIP/IP/RTP/ARP/DHCP/UDP/IGMP

**Opt. Model & Features**

Keypad Paging Station



## IP Network PA System Server

AP-DN97U9100

Features :

- 19" standard rack mounted Server
- IP based audio system, support LAN and WAN
- Paging for one zone, group or all zone
- Windows or Linux system optional
- Built-in 17.3 inch touch screen for 7U server , display group information, zone status, program list, and timing information



## SIP In/Outdoor Terminal

AP-S9SOT

Features :

- Stainless Steel, Vandal & Tamper-Resistant Casing
- Industrial Designed
- -40 degree to +70 degree
- Aux Out, 3W Speaker, 2-way Comm.
- 12VDC(PoE Opt.), IP55

**Opt. Model & Features**

Indoor Terminals



## SIP PA Ceiling Speaker

AP-SC10P 6" PoE

Features :

- 10W/6W RMS Out
- 6" Speaker, Built-in Amplifier
- DC12V or PoE 802.3af/802.at
- SPL 92dB, TCP/UDP/IGMP
- MP3/MP2, RJ-45
- Emergency Input/Button

**Opt. Model & Features**

Without PoE



## SIP PA Wall Mount

AP-SW15P 15W PoE

Features :

- 15W RMS Out
- Built-in Amplifier
- DC12V or PoE 802.3af/802.at
- SPL 100dB, TCP/UDP/IGMP
- Dual-Core ARM Processor
- MP3/WMA/WAV, RJ-45

**Opt. Model & Features**

Without PoE



## SIP Horn Outdoor

AP-SH15P 15W PoE

Features :

- 15W RMS Out
- Built-in Amplifier
- DC12V or PoE 802.3af/802.at
- SPL 100dB, TCP/UDP/IGMP
- MP3/WMA/WAV, RJ-45
- ABS, Outdoor IP67, Oval

**Opt. Model & Features**

15W/ 30W, Without PoE, Round



## APPLICATIONS

### Railway & Airport



### Industries & Plants



### Government & Corporates



# Conference Solution



## Wired & Wireless Solutions

- UHF Frequency (Wireless)
- 256 Delegate Units (Wireless)
- 150 Units (Wired)
- Built-in Speaker
- Priority/Open/FIFO Modes

## Digital Conference System Controller, Chairman Unit & Delegate Unit

AP-CS41 | AP-CS44 | AP-CS45

### Features :

- Middle level CAT6 discussion conference system
- Microphone with round ring on/off indicator
- Built-in DSP and EQ and auto gain control
- Controller with LCD English Display
- System capacity of 100 microphones and expandable to 1000 microphones



## Wireless Conference System Controller, Wireless Chairman Unit & Delegate Unit

AP-WC260 | AP-WC264 | AP-WC265

### Features :

- Wi-Fi discussion + voting + auto video tracking conference system
- Capacitive cardioid directional microphone with dual color indicating ring
- Built-in 3W hi-fi monitor speaker, rechargeable lithium battery
- Built-in DSP and EQ and auto gain control
- Controller with LCD English Display
- 48K sampling, bandwidth of 20 ~ 20K wide range frequency response
- System capacity of 240 microphones



## UHF Wireless Microphone System

AP-WM102

### Features :

- State of art design UHF wireless microphone system of tabletop design in 1U height.
- Includes dual channel receiver with LCD and two handheld transmitter microphone with LCD .
- Multiple sets working at the same time by different channels with PLL automatic phase lock.
- Support more than 200 meters operation distance.
- Handheld microphone is powered by DC3V , battery working time more than 10 hours and standby 30 hours.
- Strong damage proof design dynamic microphone with high sensitivity.
- Wide power supply of AC 110V to 230V .



## Wireless Conference System

AP-U800 | AP-U400

### Features :

- Wireless conference system set include one receiver plus 4 or 8 tabletop microphones.
- Clear, noise-free, wireless transmission and excellent sound reproduction.
- Adjustable frequency ensure multiple sets used together without interference.
- 4 & 8-Channel Wireless Operating Frequency Range: 550.0-980MHz
- Independent Channel Adjustable V olume Controls
- Easy-to-Use Touch Button Controls
- Detachable Dual Antenna & 19" Rack Mountable System
- Battery Powered, Requires (2) x 'AA' Batteries -Each



AP-U800

AP-U400

## DSP Audio Matrix Controller

AP-CS31

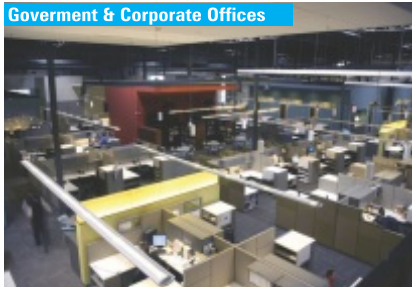
### Features :

- Full digital audio processor for extreme high quality sound performance.
- 2IN/4OUT, 2IN/6OUT, 3IN/6OUT, 4IN/8OUT audio matrix system
- 96k Hz sampling rate 24 bit high performance AD/D A converters
- Each band can be switched to bell, Hi/Lo -Shelving, HP/LP, Band Pass, Notch and All Pass filters.
- Convenient use of function buttons on either front panel or the included English software interface displays.
- 24 pre sets can be programmed & stored & protected by password.
- Each output path also features peak limiter , HP/LP filters, and driver alignment delay.
- Full matrix mixing mode where inputs may be routed/mixed in any ratio to any output.



## APPLICATIONS

### Government & Corporate Offices



### Parliament Houses



### High Courts



# Dedicated Pre & Post Sales Support



**CUSTOMIZED SOLUTION**

**STANDARD & EXTENDED WARRANTY**





### Rack Size Available

- 2U NVR Rack
- 4U Computer Networking Rack
- 6U Computer Networking Rack
- 9U Computer Networking Rack
- 15U Computer Networking Rack
- 17U Computer Networking Rack
- 27U Computer Networking Rack
- 42U Computer Networking & Server Rack

### Rack Size Option

- 600\*450 mm
- 600\*600 mm
- 600\*800 mm
- 600\*1000mm
- 800\*1000mm

### Rack Accessories

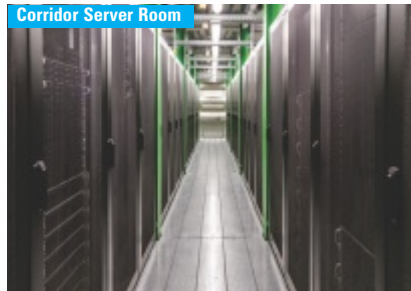
- Sliding Keyboard Tray
- Stationary Tray
- Mounting Hardware
- Castor Wheels
- Rack Cooling Fan
- PDU Socket( 4/10)
- PVC Cable Manager

## APPLICATIONS

Racks in IT Server Room



Corridor Server Room



Standing Rack in Chemistry Room



# Clientele

Mangalore City Surveillance



Indian Navy, Kochi



Air Force Station



Nirma Group of Companies



Tungabhadra Dam



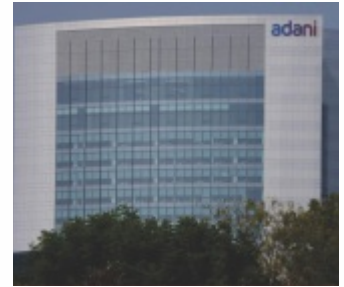
Radisson Hotels



T.D Medical College Kochi



Adani



Meghalaya High Court



JSW Steel



District Council Latur



Kukke Shri Subrahmanya Temple



# Clientele

SWAMINARAYAN  
**Akshardham**  
NEW DELHI & GANDHINAGAR

## CELEBRITY PROPERTIES

- Karan Johar
- Jackie Shroff
- Dharmendra
- John Abraham
- Irfan Khan
- Yash Chopra

## MAHALAXMI RACECOURSE MUMBAI



Southern Naval Command  
Kochi



\* Product specifications and appearance may changed without prior notice due to improvements.  
\* Camera snapshot images used in this catalog are for reference only.



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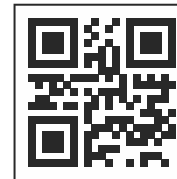
CERTIFIED PRODUCTS

### AVTRON TECHNOLOGIES

4th Floor, Abhishek Complex-1, Asarwa, Ahmedabad-380016, Gujarat.

Mob. No.: 90999 62701

Email: [info@avtrontech.com](mailto:info@avtrontech.com), [support@avtrontech.com](mailto:support@avtrontech.com)



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