



PRODUCT CATALOGUE



**Abacus
infotech**

WE FOCUS ON SECURITY

www.abacusinfotech.net



TIME ATTENDANCE/
ACCESS CONTROL SYSTEM

ACCESS
CONTROL SOLUTIONS

CCTV SURVEILLANCE SYSTEM

FIRE ALARM SYSTEM

ELECTRONIC SECURITY
SYSTEM

SOFTWARE SOLUTIONS

PUBLIC ADDRESS & VOICE
ALARM SYSTEM



Abacus infotech

WE FOCUS ON SECURITY



5000 +
Installations

14 yrs.
of
Expertise

68+
Cities
covered

About Us

Abacus Infotech is a Security Company, promoted by Mr. Jatin Mehta having more than 20 years of experience in IT & Security Industry. Abacus Infotech, provides solutions For Time Attendance, Access Control, CCTV Surveillance System, Fire Alarm System & other Software solutions for industries of all kind.

We have the domain expertise in Attendance Recording, Access Control, CCTV & Fire Alarm System and have a huge installation base in India. The secret to our success, we add selective customers in our already long list of esteemed clientele. Only those organizations who demand service and value our service are the most preferred customers and we ensure that they get the best of services.

We are supported by a team of diligent network professionals, developers and other specialists for offering technically advanced and reliable products to the customers. With the help of these qualified professionals, we are offering innovative and useful products to our customers. Our strength also lies in an enthusiastic marketing team, on-site and in-house technical support specialists and well-connected vendor network. Due to the help and support of these personnel, we make sure the supply of these products to almost any location within the specified time frame. We are headed under the mentorship of, 'Mr. Jatin Mehta', who possesses years of experience in the domain. His long industry experience, deep domain knowledge and sharp business policies have enabled us to acquire a strong foothold in the industry.

Each of our services are designed to be complete end-to-end solutions and are customized to handle your needs today, yet flexible enough to expand and meet your needs tomorrow.

Our objective is to provide the solution by keeping at par with technology trends which helps them fulfill their objective of making corporate life more easy and secured.

Mr. Jatin Mehta
CEO Abacus Infotech

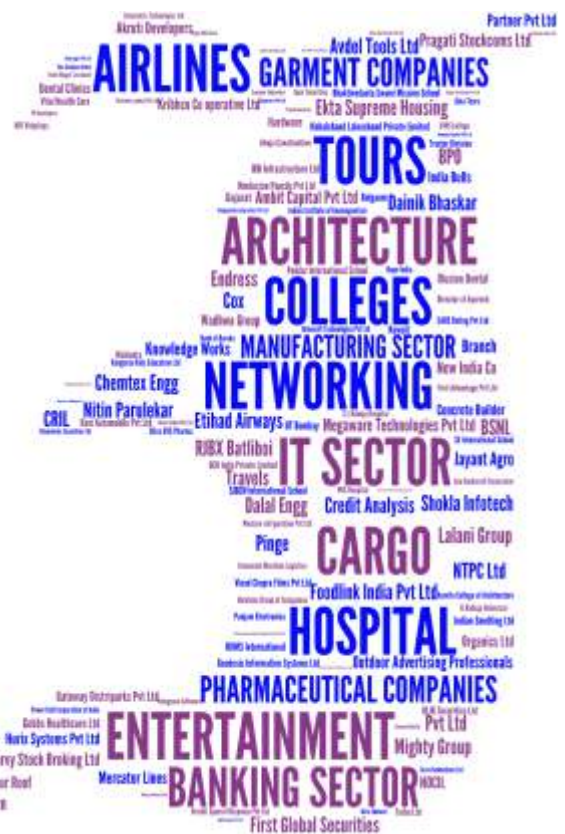
OUR PARTNERS





“A customer is the most important visitor on our premises, he is not dependent on us. We are dependent on him. He is not an interruption in our work. He is the purpose of it. He is not an outsider in our business. He is part of it. We are not doing him a favor by serving him. He is doing us a favor by giving us an opportunity to do so.”

Mahatma Gandhi



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FINGERPRINT ATTENDANCE ACCESS CONTROL SYSTEM



eNBioAccess-T5



NAC 2500 PLUS

TECHNICAL SPECIFICATIONS

ITEM	eNBioAccess-T5	NAC 2500 PLUS
CPU	S3C6410 (ARM11 667MHz)	32bit / 400 MHZ
Memory	256MB DRAM / 256MB Flash	8 MB DRAM + 8 MB Flash
Display	4.3" TFT LCD / Touch Screen	128 x 32 Graphic LCD (B&W)
Identification Time	Less than 1 sec.(4,000 templates)	Less than 2 sec. (4,000 templates)
Templates Capacity	100,000 templates (2 templates / 1 finger, 50,000 User)	5,000 templates
Log Capacity	500,000 logs	67,500 logs
Communication	TCP/IP, Wiegand In/Out (26/34bit)	TCP/IP, RS485, Wiegand In/Out(26/34 bit)
PC Interface	USB Interface	NA
USB Memory slot	support	NA
Output Relay	Deadbolt, EM Lock, Door Strike, Automatic Door	Deadbolt, EM Lock, Door Strike, Automatic Door
Operating Temperature	-20 ~ 60°C	-20 ~ 60°C
Size	192(W) x 156(H) x 55(D) mm	90 (W) x 205 (H) x 50(D) mm

eNBioAccess-T5 Superior Matching Engine - 1 rank in FVC (Fingerprint Verification Competition), Auto-on Function & Live Finger Detection, Built-in battery & PoE (Optional), which comes with NITGEN'S superior own algorithm, TFT LCD & touch screen, Its is very convenient and innovative design's, its a market leader in access control with high value. NITGEN'S fingerprint algorithm enables to high speed authentication, eNBioAccess-T5 is designed for large scale of security system using TCP/IP wireless LAN.

NAC-2500 PLUS is designed and produced using the sensor and algorithm that only NITGEN'S outstanding fingerprint recognition technology has made possible, this fingerprint recognition Access control system is capable of speedy authentication using fingerprint data.

With this product have we made it possible for you to build a more improved and efficient security system for a lower installation cost. In addition, this product offers you enterprise level entry management and employees' work hour management with its LAN communication-based network structure, and enhanced server management program.

FINGERPRINT ATTENDANCE ACCESS CONTROL SYSTEM



FINGKEY ACCESS II



eNBioAccess-T3

TECHNICAL SPECIFICATIONS

ITEM		FINGKEY ACCESS	eNBio Access-T3
CPU		32 bit / 400MHz	S3C6410 (ARM11 667MHz)
Memory		64MB DRAM / 32 MB Flash	256MB DRAM / 256MB Flash
Display		122 x 32 Graphic	2.4" TFT Color LCD
FP Sensor	Type	Optical	Optical
	Resolution	500 DPI	500 DPI
Authentication Mode		Fingerprint, Password, RF Card	Fingerprint, Password, RF Card
FP Authentication Method		1:1, 1:N, Shortcut ID Matching	1:1, 1:N, Shortcut ID Matching
1:1 verification Time		Less than 1 sec.	< 0.2 sec.
1:N Identification Time		Less than 1.5 sec. (1,000 templates)	< 1 sec.(4,000 templates)
Template Capacity		20,000 templates (2 templates / 1 finger, 10,000 User)	20,000 templates (2 templates / 1 finger, 10,000 users)
Log Capacity		1,00,000 logs	100,000 logs
Communication		TCP/IP, Rs232, RS-485, Wiegand In/Out	TCP/IP, Wiegand In/Out (26/34 bit)
Output Relay		Deadbolt, EM Lock, Door Strike, Automatic Door	Deadbolt, EM Lock, Door Strike, Automatic Door
Operating Temperature		-20~60 C / <RH 90%	-20~60°C
Operation Humidity		10 ~ 90 %	10 ~ 90 %
Certification		KC, CE, FCC	KC, CE, FCC
Size		77(W) x 178(L) x 50(D) mm	75(W) x 182.5(H) x 39.2(D) mm

FINGKEY ACCESS and **eNBio Access-T3** is a cost effective fingerprint access control system capable of speedy authentication with LFD function (Live Finger Detection) and supports waterproof at the level of IP65 for outdoor use.

It offers you enterprise level of Entry and Time Attendance management with its LAN communication-based network infrastructure enabling integrated monitoring and systematic management of multiple terminals operated independently on a remote location. Compact and stylish design with user friendly interface, FINGKEY ACCESS knocks your door to be safe more than ever.

FINGERPRINT ATTENDANCE ACCESS CONTROL SYSTEM



BIO ACCESS V3



eNBio Access T1

TECHNICAL SPECIFICATIONS

ITEM	BIO ACCESS V3
Fingerprint Sensor Resolution	500DPI
Rotational Angle	Total Rotational Angle
FRR	≈0.1%
FAR	≈0.0001%
Identification Time	≈0.1 S
Operating Mode	Off-line
Authentication Mode	1:1 1
Authentication Method	Fingerprint/RFID Card(125KHz)/Password
User Capacity	300
Records Capacity	10,000
Communication	TCP/IP, RS485
USB flash drive upload/download	Available
Language	English, Spanish, French
Voice prompt	Available
Lock Output	Normally Open / Normally Closed
Door Open Button	Can connect the common button.
Access Control Interface	Support the Wiegand26 and Wiegand34 format external reader
Power	DC 12V/1A
Operating environment	Operating Temp: 0-50 , Humidity:80%
Size of the Terminal	181(L)*91(W)*36(H)mm

TECHNICAL SPECIFICATIONS

ITEM	eNBio Access T1
CPU	ATMEL 400MHz
Memory	64MB DRAM / 256MB Flash
Sensor	Optical / 500 DPI
Authentication Type	Fingerprint, RF card
1:1 Time	< 0.2 sec.
1:N Time	< 1 sec.
Template Capacity	20,000 templates (2 templates / 1 finger, 10,000 users)
Log Capacity	100,000 logs
Communication	TCP/IP, RS-485, Wiegand Out
Lock	Deadbolt, EM Lock, Door Strike, Automatic Door
Environment	-20~60 ℃ / < RH 90%
Certificate	KC, CE, FCC
Dimensions	51.5(W) x 170(H) x 44(D) mm

FACE & FINGERPRINT ATTENDANCE ACCESS CONTROL SYSTEM



M2000



F710

TECHNICAL SPECIFICATIONS	
ITEM	M2000
Technology	Facial + Fingerprint + RFID.
Application	Time Attendance Stand-alone Access Controller Wiegand Reader
CPU	1Ghz
Memory	256M DDR + 4G TF
Camera	Visible & IR Camera
Lighting(Max)	20000 lux
Fingerprint	Optical sensor
RFID	Standard EM /Optional Mifare.
Display	3.5 inch TFT Screen
Keypad	4 X 4 Touch Keypad
Power	12V DC
Temperature	0°~40°
Dimension(L*W*H)	205*95*115mm
Certification	CE FCC ROHS
TCP/IP	Yes
Wiegand	Output
USB	Host
Push to Server	Yes
User Capacity	2000

TECHNICAL SPECIFICATIONS	
ITEM	F710
Technology	Facial + RFID
Application	Time Attendance / Stand-alone / Access Controller /Wiegand Reader
Market Segment	Medium to Large
CPU	1Ghz
Memory	256M DDR + 4G TF
Camera	Visible & IR Camera
Lighting(Max)	10000 lux
RFID	Standard EM /Optional Mifare.
Display	3.5 inch TFT Screen
Keypad	4 X 4 Touch Keypad
Power	12V DC
Temperature	0°~40°
Dimension(L*W*H)	205*95*115mm
Certification	CE FCC ROHS
TCP/IP	Yes
Wiegand	Output
USB	Host
Push to Server	Yes
User Capacity	1000

STAND ALONE RFID CARD READER



SMART CARD READER



PROXIMITY CARD READER

TECHNICAL SECIFICATIONS

ITEM	SMART CARD READER	PROXIMITY CARD READER
Display	128x32 Graphic LCD(Black&White)	4 lines white LCD Display Speaker: Voice Prompt
Language	English	English
Authentication Mode	Password , Card (RF PROXIMITY/HID/Mifare)	Card Only, PIN Only, Card+PIN
User Capacity	5,000 Cards	10,000 Cards
Log Capacity	20,000 Logs	50,000 Logs
Communication	TCP/IP,RS232, Wiegand (26/34 bits)	TCP/IP,RS232/485, Wiegand in/out,USB
Output Relay	Deadbolt, EM Lock, Door Strike, Automatic Door	Deadbolt, EM Lock, Door Strike, Automatic Door
Read Range	8-10 cm	10 cm
Power	12VDC	110/220VAC~12VDC(power supply PS-2A is optional item)
Verification / Identification Time	1:1,1:N ,Reduced ID Matching, Less than 1sec.	1:1 or 1:N, Less than 1sec.
Operating Temperature	-20 ~ 60 °C	0°C~ 45°C
Operation Humidity	10 ~ 90 %	20% ~ 80 %
Size	90(W) x 205(L) x 50(D) mm	125(W) x 95(L) x 45(H) mm



RFID CARD READER AND CONTROLLER



DOOR CONTROLLER



WEIGAND CARD READER

TECHNICAL SPECIFICATIONS

ITEM	DOOR CONTROLLER
Controller	Up to 8 card readers
CPU	8 bit Microprocessor
Database	2000 Cards
Timezone	90 user defined time zone groups
Transactions	Last 1400 time stamped records, memory full indication on LCD
Memory	Non Volatile
RTC	Non - Volatile Real Time Clock calendar
Display	16 characters x 2 Lines High Contrast Backlit LCD
Keypad	12 keys membrane keypad
Interface	Rj45 Network interface(TCP/IP)
Watchdog	Built-in watchdog supervisor
Door Lock	Supports Fail Safe / Secure type of lock assemblies
Inputs	4 Door sensor , 4 exit switch & 4 general purpose digital inputs
Siren	Siren interface for local alarm generation
Dimensions	31.5 cm(L) x 23.3 cm(W) x 8.0 cm(D)
Weight	3.2 Kgs.
Supply	12VDC/5A supply, provision to connect 12V/7.2 AH bATTERY
Power	2 Watts
Input	180VAC~230VAC
Humidity	RH 5~95% non-condensing

TECHNICAL SPECIFICATIONS

ITEM	WEIGAND CARD READER	WEIGAND CARD READER
Read Range	iCLASS Card : Up to 3.25" (8.9 cm) iCLASS Key/Tag : Up to 1.5" (3.8 cm) MIFARE / DESFire Card (CSN) : Up to 2.0" (5.1 cm)	iCLASS Card: Up to 3.5" (8.9 cm) iCLASS Key/Tag : Up to 1.5" (3.8 cm) MIFARE / DESFire Card (CSN) : Up to 2.0" (5.1 cm)
Mounting	The R10 and R15 are physically our smallest readers and are ideally suited for mullion-mounted door installations.	
Dimensions	1.9" x 4.0" x 0.9" 4.8 cm x 10.3 cm x 2.3 cm	1.9" x 6.0" x 0.9" 4.8 cm x 15.3 cm x 2.3 cm
Power Supply	5-16 VDC, Linear supply recommended	
Current Requirements	55mA AVG, 116mA PEAK	55mA AVG, 112mA PEAK
Operating Temperature	-40° to 150° F (-40° to 65° C)	
Operating Humidity	5% to 95% relative humidity non-condensing	
Transmit Frequency	13.56 MHz	
Cable Distance	Wiegand/Clock-and-Data Interface 500ft (150m) 22 AWG	
Card Compatibility	•15693 - read only; 2k bit (256 Byte), 16k bit (2k Byte), 32k bit (4k Byte) iCLASS credentials, serial number•14443B - read only; 2k bit (256 Byte), 16k bit (2k Byte), 32k bit (4k Byte) iCLASS credentials•14443A - read only; MIFARE® and DESFire (serial number)• US Government PIV• FeliCa IDm (Transit Readers Only)	
Certifications	UL 294/cUL, FCC Certification, Canada Certification, CE Mark (EU), Australia C-Tick, New Zealand, Taiwan, Korea, Japan, China, RoHS Compliant (EU and China) Pending: IP54	
Housing Material	UL 94 Polycarbonate	

IP SURVEILLANCE SYSTEM



FISH EYE IP CAMERA



PTZ IP CAMERA

FEATURES

- 5-Megapixel CMOS Sensor
- 30 fps @ 1080p Full HD
- 1.05 mm Fisheye Lens for 180° Panoramic View and 360° Surround View
- Removable IR-cut Filter for Day & Night Function
- Real-time H.264, MPEG-4, and MJPEG Compression (Triple Codec)
- WDR Enhancement for Unparalleled Visibility in Extremely Bright or Dark Environments
- ePTZ for Data Efficiency
- Built-in 802.3af Compliant PoE
- Built-in MicroSD/SDHC/SDXC Card Slot for On-board Storage
- Pixel Counter for Image Clarity Measurement



VIEW FROM FISH EYE IP CAMERA

PTZ CAMERA

With flexible 300-degree pan and 135-degree tilt, PZ8111W/21W can give users more comprehensive control over the monitored site. The PZ8111W/21W supports the industry-standard H.264 compression technology, drastically reducing file sizes and conserving valuable network bandwidth. With MPEG-4 and MJPEG compatibility also included, video streams can also be transmitted in any of these formats for versatile applications.

FEATURES

- 10x Optical Zoom Lens
- Motorized Pan/Tilt (Pan: -150° ~ +150°; Tilt: -45° ~ +90°)
- Real-time H.264, MPEG-4 and MJPEG Compression (Triple Codec)
- Multiple Simultaneous Streams
- 3GPP Mobile Surveillance
- Built-in 802.11b/g/n WLAN
- Two-way Audio
- Built-in/External Microphone Switch

IP SURVEILLANCE SYSTEM



NETWORK VIDEO RECORDER

TECHNICAL SPECIFICATIONS

ITEM	NVR
CPU	Quad Core Intel® Xeon® E3-1225 Processor 3.1 GHz
DRAM / Flash Memory	4GB DDR3 ECC RAM, 512MB DOM
Hard Drive & Hard Drive Tray	16 x 3.5" or 2.5" SATA 6Gb/s, SATA 3Gb/s hard drive or SSD & 16 x hot-swappable and lockable tray.
LAN Port	4 x Gigabit RJ-45 Ethernet port (Expandable up to 8 x 1 Gb LAN or 4 x 10 Gb + 4 x 1 Gb LAN by installing optional dual-port 10 Gb and 1 Gb network card)
LED Indicators	Status, 10 GbE, LAN, eSATA, hard drives
USB / eSATA	2x USB 3.0 port (rear) 4x USB 2.0 port (rear) Support USB printer, pen drive, USB hub, and USB UPS etc. / 2 (rear)
Buttons	System: Power button and reset button
Alarm Buzzer	System warning
Form Factor	3U, Rack mount
Dimensions	130(H) x 442.4(W) x 528.3(D) mm 5.12(H) x 17.42(W) x 20.80(D) inch
Weight	20.21 kg/ 44.56 lb (Net) 24.79 kg/ 54.65 lb(Gross)
Sound Level (dB)	Standby: 54.73dB In operation: 55.13 dB (with 16 x 1TB HDD installed)
Power Consumption (W)	Sleep mode: 89.1 W In Operation: 229 W (with 16 x 1TB hard drive installed)
Temperature / Relative Humidity	0~40°C / 0~90%

HD CCTV SURVEILLANCE SYSTEM



HD DOME CAMERA



HD BULLET CAMERA

TECHNICAL SPECIFICATION

ITEM	DOME AND BULLET CAMERA
Image Sensor	1MP CMOS Image Sensor
Signal System	PAL/NTSC
Effective Pixels	1296(H)x732(V)
Min. Illumination	0.1 Lux @(F1.2,AGC ON), 0 Lux with IR
Shutter Time	1/25(1/30) s to 1/50,000 s
Lens	3.6mm (2.8mm, 6mm optional), Angle of View: 70.9°(3.6mm), 92°(2.8mm), 56.7°(6mm)
Lens Mount	M12
Adjustment Range	Pan: 0 - 360°, Tilt: 0 - 180°, Rotation: 0 - 360°
Day& Night	IR cut filter with auto switch
Video Frame Rate	720p@25fps/720p@30fps
HD Video Output	1 Analog HD output
Synchronization	Internal Synchronization
S/N Ratio	More than 62 dB

HD CCTV SURVEILLANCE SYSTEM



HD DIGITAL VIDEO RECORDER

TECHNICAL SPECIFICATIONS

ITEM	DIGITAL VIDEO RECORDER
Video Compression	H.264
Video Input	4-ch / 8-ch /16-ch
Video Input Interface	BNC (1.0 Vp-p, 75Ω)
Audio Compression	G.711u
Audio Input	1-ch
Audio Input Interface	RCA (2.0 Vp-p, 1 kΩ)
CVBS Output	1-ch, BNC (1.0 Vp-p, 75 Ω), resolution: PAL: 704 × 576, NTSC: 704 × 480
HDMI Output	1-ch, resolution: 1920 × 1080P / 60 Hz ,1600 × 1200 / 60 Hz,1280 × 1024 / 60 Hz, 1280 × 720 / 60 Hz, 1024 × 768 / 60 Hz
Recording resolution	4CIF/2CIF/CIF/QCIF
Frame Rate	25 fps (P) / 30 fps (N)
Video Bit Rate	32Kbps~2048Kbps, or user-defined (Max.3Mbps)
Stream Type	Video/Video&Audio
Two-way Audio	1-ch, RCA (2.0 Vp-p, 1 kΩ) (using the audio input)
Audio Output	1-ch RCA(Linear, 1kΩ)
Audio Bit Rate	16kbps
Interface Type	2 SATA Interfaces
Capacity	Up to 6TB capacity for each disk
Network Interface	1 RJ45 10M/100M adaptive Ethernet Interface
USB Interface	1 USB interface, support USB disk, USB HDD and USB CD/DVD-R/W
Serial Interface	1 DB9 RS-232 interface; 1 RS-485 interface; 1 RS-485 keyboard interface
Alarm Input/Output	4-ch/2-ch
Alarm Output	100~240VAC, 6.3A, 50~60HZ
Consumption	≤40W (without HDD or DVD-R/W)
Working Temperature/	-10°C~+55°C
Humidity	10%~90%
Dimensions/Weight	440mm(W)×390mm(D)×70mm(H) / ≤8Kg (without HDD or DVD-R/W)

FIRE ALARM SYSTEM (CONVENTIONAL)



CONVENTIONAL PANEL

FEATURES

- 1/2/4 Zone Panel
- Confirms IS 2189 norms.
- Rugged CRCA sheet with powder coated finish.
- Modular Construction.
- Operates on 230 VAC, 24 VDC.
- Standby Battery backup with build-in charging.
- Fire / Fault status in unambiguous coloured LED.
- System On, Main, Standby ON status indication.
- Low Battery visual warning with audible buzzer tone
- .Earth fault indication with audible buzzer tone.
- Rs485 for repeater/slave communication (Use shielded or twisted wire (CAT5E or CAT6)).
- Relay Outputs for actuators.
- Lamp test facility.
- One man walk test facility.
- Zone Isolation facility with loop voltage cut off.



MULTI-CRITERIA DETECTOR

FEATURES

- Special Chamber Design: Decrease dust level & improve detection accuracy.
- Dual LEDs for 360° visibility.
- Advanced technology enables to increase its precision in fire detection, improve signals to avoid noise interference & thus reduce unwanted false alarm.
- Low current consumption allows more detectors to be used with each control panel.
- Dual contacts on the base: enhances the connecting stability with sensor & base.
- All bases are fitted with a shorting spring to permit maintenance without disconnecting when removing the detector head.



MANUAL CALL POINT

FEATURES

- Compatibility with all conventional fire control panels
- Alarm test key
- Glass protection by thin film.
- ABS Body/aluminium body.
- Wall mounted.



HOOTER

FEATURES

- High power 130 db sound
- 4 wired (with tamper loop)
- Low current consumption
- ABS bodies
- Weatherproof housing

FIRE ALARM SYSTEM (ADDRESSABLE)



ADDRESSABLE PANEL

FEATURES

- Each loop can connect up to 250 addressable devices.
- Maximum networking are 32 loops and total addressable points are 8000.
- Large LCD screen (40 x 15 lines) allows more events to be displayed on the same screen.
- Loop device can be set up to be temporarily isolated.
- Individual loop module test feature to save time on panel test.
- On-board Self-test feature for simulating alarm output.
- Easy system programming through PC to panel.
- Events log can store up to 2030 events.
- Specification optional thermal printer that can printout complete panel status



SMOKE AND HEAT DETECTOR

FEATURES

- 2-wire base connection without polarity sensitivity makes installation much easier.
- Latching function helps to identify alarm device clearly and quickly.
- Address coding by dip switch makes the job easier.
- Magnetic test feature makes maintenance easy and simple.
- Non-loosening screws on base terminal for easy installation.
- Detector is made of high endurance, solid and colorfast Fire-proof plastic.
- Detector has passed strict EMC test, which greatly eliminates false alarms caused by interference from nearby sources.
- Dual LEDs for 360-degree visibility



MANUAL CALL POINT



HOOTER

TECHNICAL SPECIFICATIONS

Type	Flush/Surface/Weatherproof	
Configuration	Addressable	
Rating	24V DC	Connections -4-way terminal
Connections	4-way terminal block	
Operating method	Glass element with plastic safety film or resettable plastic element with integral alarm indicator	
Test/reset facility	Unique key	
Construction	ABS	
Colour	Red to EN54-11	
IP rating	Ip42	
Temp. range	-10°C to +55°C	
Dimensions HxWxD	87x87x20	Weight - 0.15kg

TECHNICAL SPECIFICATIONS

Operating voltage	17 to 32 V DC
Sound output (set by panel)+/- 3dB	Low volume: 84 dB
	Medium volume: 92 dB
	High volume: 95 dB
Current consumption	Low volume: <2mA
	Medium volume: <3mA
	High volume: <6mA
Standby current	<320µA
Operating temperature	-10°C to +55°C (95% RH)
Construction	ABS
IP rating	Ip40
Dimensions HxWxD (mm)	102 (Dia) x 40 (D)
Weight	0.2Kg

ELECTRONIC SECURITY SYSTEM



TRIPOD



BOOM BARRIER

TECHNICAL SPECIFICATIONS

ITEM	TRIPOD
Power	230 VAC Single phase @50Hz
Current	0.5 A Typical
Power Consumption	Less than 40 Watt
Duty Cycle	100%
Lane Indicator	Built-in (Green/Red)
Weight	48 KG
Standard color	Siemens grey
Application	Indoor / Outdoor (under shed/Canopy)
Temperature	5 to 55 degree C
Humidity	90% Non-condensing
Reader Mounting Place	100 mm X 250mm approx
Dimension of Case work	420 X 250 X 1030 MM Approx
Walk way	380 mm or 500 mm
Material of case work	Mild steel Powder coated or stainless
Material of tripod arm	Stainless steel
Tripod Hub Index	Mild Steel powder coated
Internal components	Rust free alloy of high strength
Integration	Two PFC required (Entry and Exit)
Installation	By anchor Bolt on plain surface
Locking Mechanism	Solenoid
Intelligence	Built-in logic control

TECHNICAL SPECIFICATIONS

ITEM	BOOM BARRIER	BOOM BARRIER
Protection rating	Ip54	Ip54
Power supply (V)	230 A.C 50/60 Hz	230 A.C 50/60 Hz
Motor power supply (V)	230 A.C 50/60 Hz	24 D.C.
Power (W)	330	300
Current draw (A)	2,8	15
Reduction ratio (i)	1/202	1/202
Max torque (Nm)	250	600
Opening time (s)	8	4 ÷ 8
Duty cycle (%)	30	intensive use
Operating temperature (°C)	-20 ÷ +55	-20 ÷ +55
Cabinet colour	Grey textured metal finish 0530837	Grey textured metal finish 0530837
Cover colour	RAL 9006	RAL 9006

Boom barrier suitable for vehicle access control. It is most reliable & efficient security at the entry & exit locations of factories, parking area, software parks or any road way entry /exits. It is design with heavy duty operations without compromising its look.

It provides complete option of control like local/remote, push-button, card access, vehicle ID systems etc. Removable top cover for ease of maintenance. Barriers boom length vary from 1 to 6 meters or more if required.

ELECTRONIC SECURITY SYSTEM



VIDEO DOOR PHONE



INTRUSION ALARM SYSTEM

FEATURES

- 7" Colour TFT LCD display
- Slimline Series - Slim & Sleek Design
- Hands Free Operation
- Micro Controller Based with digital circuit
- Door Lock Control
- Tamper spring in camera with tamper alarm
- LEDs for night vision
- Low power consumption Includes 1 Monitor and 1 Outdoor

FEATURES

- Multi zone wireless control panel
- Micro-controller based
- 4 digit user programmable code
- Individual zone open and close indication
- Inbuilt sounder
- 16 button backlit onboard keypad (remote not required)
- Onboard panic alarm activation
- Two arming modes: instant mode and delay mode
- Optional wireless remote control with arm, delay arm, disarm and panic functions
- Facility to attach speech dialer
- Built-in battery backup provision
- Can attach wired sounders Abs housing

ELECTRONIC SECURITY SYSTEM



GUARD TOUR

TECHNICAL SPECIFICATIONS

ITEM	GUARD TOUR
Operating voltage range	3.0-3.6 VDC
Input current, max	Standby: 6µA, Maximum: 21 µA
Uploading/downloading	9600 baud speed
Time and date stamp memory	Real time clock inside saves date and time- Internal Clock Synchronizes with the PC time
Number of reads	Stores up to 8000 reads and time stamps
Battery	Internal Lithium-Ion 1800mAh rechargeable battery for six month use or 300,000 readings
Battery charging time	Battery charges in three hours from empty to full
Buzzer sounder indication	Internal sounder for audio verification
LED indication	Four ultra-bright LEDs visual read validation Degree LED viewing angle light-pipe
Data read speed	0.1 seconds per read
International safety and EMC	Complies with International Safety and Emissions Regulations
Operating temperature	-31°C to 63°C (-25°F to 145°F)
Operating humidity	0 to 95% (non-condensing)
Operating environment	Suitable for outdoor use (IP65 rated)
Dimensions (L X Dia)	175 x 33 mm (6.89 x 1.3 in)
Weight	225 g (0.5 lbs)
Construction materials	Polycarbonate and stainless steel housing
Material	Rugged, quality leather, designed for long-lasting wear and tear

PUBLIC ADDRESS & VOICE ALARM SYSTEM



HPA120/240/480/650

Public Address System Power Amplifier

The range of power amplifiers are designed for general commercial and industrial public address applications. Rack mount PA 100 Volt amplifier in 2U type. Rated power of 120W/240W/480W/650W. 70V, 100V and 4-16 ohm speaker outputs. Isolated transformer for human safety operation. Balanced XLR type line input and unbalanced phone jack line input. Balanced XLR type line output feeds to another power amplifier. Reliable protection of over heat, over load, clip & short circuit. Indications for power, signal, clip, protection and temp. *DC 24V power supply backup input at request.*



HMA240/480/600

Public Address System 240W/480W/600W Mixer Amplifier with Mp3

Public address (PA) table top mixer power amplifier. Commercial & industrial range BGM & paging amplifier. Mixer amplifier with Mp3 player by USB input. Rated outputs of 240W/480W/600W, 70V/100V and low impedance 4-16 ohms speaker outputs. 3 microphone inputs and 2 line inputs. Mic1 on front panel by phone jack, mic 2-3 on rear panel by phone jack. Line 1-2 inputs on rear panel by RCA. Microphone 1 of VOX features of highest input priority. Microphone 1-3 & Line 1-2 inputs volume control on front panel with bass and treble tone control. Power and output level meters. Overload, short circuit and high temp protection. With natural cooling fan to control the internal temperature.



PP SERIES

AMPLIFIER WITH SWITCH POWER SUPPLY

PP series amplifier are with switch power supply. Its compact and precise structure makes it high-performance. Each channel has independent adjustable peak output voltage. Which enables the amplifier to drive speakers with different power easily. Intelligent protecting circuit provides advanced technology to protect the internal circuits and connected loads, so that the amplifiers and speakers can still be operated in extreme conditions. With available PP10000, PP7000, PP9000, PP14000. 8ohms 4x1300W, 2x1450W, 2x1600W, 2x2350W it's also in 4 ohms, 2 ohms, 8 ohms Bridge Power. with the THD <0.1%, Signal-to-Noise Ratio >112dB.



CMS SERIES, HDS SERIES
HEINRICH all speakers support EASE, CATT, ULYSSES models for acoustic studies
Coaxial Ceiling Loudspeaker

HEINRICH all speakers support EASE, CATT, ULYSSES models for acoustic studies. This means the acoustic model can be designed to simulate the sound quality and distribution prior to installation. All HEINRICH loudspeakers have undergone thorough testing procedure to ensure that all products comply with LOW VOLT - AGE DIRECTIVE (BS EN 60065, 2003) and EMC (BS EN 61000-6-Part 1/2/3/4). CMS SERIES available in 2.5", 3", 4", 6", 8" With the power of 6W, 10W, 15W, 25W, 30W, 40W, 60W, etc. the HDS SERIES In-ceiling type loudspeaker. 6.5" +1.5" coaxial speaker unit. Power output RMS 40W @100V. Built-in crossover for hi-level use. Metal grille, ABS base & ABS back cover. This is available in Rated Power 40W/20W/10W/8 ohm, 30W/15W/7.5W/8 ohm, 20W/10W/2.5/8 ohm.



Contractor Gate Pass No.: 1

Visitor Name: Kiran Patel
Company: Alarm Factory
Address: CST
ESIC No: ES2987

Employee to meet: Shankar Bagkar
Department: IT
Contract Period: 01/04/2009 - 10/04/2009
Pass Issued Date: 08/04/2009

Issuing Authority: Pass holder signature: TI

VISITOR MANAGEMENT SYSTEM

Visitor Management System

Every organization has its own set of rules and regulations regarding entry of visitors, Service Providers for maintenance, temporary workers and other group company employees. Computerization increases efficiency, reduces duplication and also reduces the delays involved due to manual work. A lot of routine paper work can be eliminated and smooth working can be ensured. Thus Visitor Management System becomes an integral part of organization.

FEATURES

- Connected to webcam / digital camera for capturing visitors photograph.
- Visitor's arrival advanced notification to security.
- Employee database is maintained at the security PC.
- Contractor master database is maintained for contract employee.
- Visitors detailed database including photograph is maintained.
- Storing of visitors photograph to print on the gate pass.
- Notification of visitors' arrival on visitee's, PC.
- Printing of different colour gate pass to different type of visitors, locations allowed etc. (This requires colour printer at security)
- Option to integrate with Barcode Scanner & Biometric Reader
- Desktop / Web version.

REPORTS

- Visitors' name wise report
- Employee wise visitors report
- Department/Division wise visitors report
- Location wise report
- Contractors' wise report
- Visitors' In premises report
- Visitors' out report
- Daily report of visitors

ABC Pvt. Ltd.

Attendance Summary Report From Date 01/04/2005 To 30/09/2005

Page No: 1
Print Date 10/02/2007

Emp ID	Employee Name	Present	Week Off	Hi	Leave	Low	Total	Late Count
Department: 01 Admin								
006	Deep Bhargava	24.0	4.0	3.0	0.0	0.0	30.0	1
Department: 02 Accounts								
013	Shubhang Kulkarni	20.0	4.0	3.0	2.0	0.0	30.0	17
025	Jayesh Chalka	21.5	4.0	3.0	2.5	0.0	30.0	22
028	Gurdeep Sharda	24.5	4.0	3.0	0.0	0.0	30.0	17
Department: 03 Marketing & Sales								
004	Shashank Patel	15.0	3.0	3.0	9.5	0.0	30.0	9
005	Rajesh Pruthi	22.0	4.0	1.0	3.0	0.0	30.0	7
007	Rohit Vatsavada	21.5	4.0	3.0	3.5	0.0	30.0	10
015	Hridiksh Parikh	24.0	4.0	1.0	1.0	0.0	30.0	8
022	Dinesh Patel	25.0	4.0	3.0	1.0	0.0	30.0	14
023	Srinivasan	24.0	4.0	3.0	0.0	0.0	30.0	8
060	Rishi Khat	24.0	4.0	3.0	0.0	0.0	30.0	8
064	Arunan Matha	24.0	4.0	3.0	0.0	0.0	30.0	2
Department: 04 Designing								
010	Sudhanshu Mishra	20.0	4.0	1.0	0.0	0.0	30.0	08
057	Lalit Mishra	23.0	4.0	3.0	0.0	1.0	30.0	11
Department: 05 IT								
014	Sanchita Patel	22.0	4.0	3.0	1.0	0.0	30.0	08
017	Pradip Datta	23.0	4.0	3.0	1.0	0.0	30.0	08
021	Sachin Gokande	22.0	4.0	3.0	2.0	0.0	30.0	03
036	Rajesh Shinde	22.0	4.0	3.0	0.0	0.0	30.0	04
039	Sudip Datta	22.5	4.0	3.0	0.0	0.0	30.0	02
040	Janak Kulkarni	21.0	4.0	3.0	0.0	0.0	30.0	03

ATTENDANCE SOFTWARE

Our **Attendance Software** is GUI based software that registers the attendance of employees. It has a leave management system. The flexible architecture of Software allows various people in the organisation to directly access the data they need. Naturally, the Software Security System Permits authorized persons to have access to only the limited data to which they have been rights.

FEATURES

- Provision of advance shift scheduling required in factory environment.
- Punctuality checking based upon shift scheduling.
- Evaluation of employee performances.
- Stringent checks for availing Compensatory Off.
- Provision of manual attendance to regularize missing swipes.
- Maintains employee leave status with respect to leave rules.
- Facility of tracking company bus movements for automatic regularization of employee attendance in case of delay.
- Meaningful MIS/ Analysis reports on periodical basis depending on the users' requirement.
- Option to integrate with any Payroll Software
- Desktop / Web version

REPORTS

Attendance Software generates more than 50 reports in various formats.

- Attendance Reports
- Attendance Summary
- Time Card
- Over Time Report
- Swipe Report
- Muster Report
- Leave Card
- Leave Balance
- Continuous Absentee
- Current Day Report

SOFTWARE SOLUTIONS



VIDEO MANAGEMENT SOFTWARE

FEATURES

- Open- Platform VMS
- Unlimited numbers of Cameras, servers and remote clients
- Support for approximately 1,000 IP camera models
- Web and i-Phone live and archive view
- Advance Video and Audio Detection Tools
- Unique tools for fast video footage retrieval
- Fast Data access
- Greater hard disk service life
- Quickly search archive video using specified criteria
- Quickly review all events over a selected timeframe
- 3D Map
- Intellect Enterprise has features to integrate with Access Control and Fire Alarm System.

VIDEO ANALYTICS

- Motion Detection
- Background change detection
- Loss of video quality detection
- Abandoned objects detection
- Detection of crossing a line in a given direction
- Motion in the zone detection
- Loitering detection
- Zone entry/appearance detection
- Zone exit/disappearance detection



SCHOOL MANAGEMENT SOFTWARE

MODULES

- Enquiry
- Admission
- Students Information System
- Fees
- I Card System
- Library Management System
- Report Card System
- Attendance System
- Payroll System
- Fixed Asset & Inventory Management System
- SMS Alert System
- Accounting System
- E-campus

IPM Plus

Intelligent Power Management Software



The Problem: Why We Need to Manage Power Usage

The Information and Communication Technology (ICT) ecosystem consisting of desktops, laptops, tablets and smartphones, consumes nearly 10% of the global electricity production and is increasing every year. A typical desktop can consume anywhere between 350 KWh to 650 KWh per year. In the case of servers, over a 3 year period, the energy cost of a server equals the cost of the server itself. Energy Star (www.energystar.gov) estimates that you can save up to USD 50 annually by using power management on personal computers. Globally, most of the power generation requirements are met by using Coal, Oil/Gas and Nuclear energy. Global electricity consumption accounts for a significant amount of the global CO₂ emissions.

THE SOLUTION: INTELLIGENT POWER MANAGEMENT WITH IPM+

Patented Application Sensing & Power Optimization When Your System Is Running

IPMPlus technology allows fine-grained, non-intrusive control of power savings, in distributed IT infrastructure. IPMPlus senses "applications" and according to its need, optimizes power intelligently even when you are using computers. IPMPlus allows Enterprise-wide Power Scheme Management, by first discovering and grouping systems and later applying customized policies for different groups. Green IT targets to business functions across locations are thus enabled. IPMPlus is very easy to install, manage and doesn't require any software or hardware upgrades and works with a very small application footprint. Its distributed architecture allows to scale upto 100,000+ nodes.

Accurate Software Energy Metering and Real-Time Performance Monitoring

With its powerful built-in Energy Metering Software (SoftEM), IPMPlus allows you to accurately measure the actual end-point energy consumption in IT infrastructure and correlate it to actual IT performance in terms of resource utilization. Combined with our interfaces to leading Uninterruptible Power Systems ("UPS"), you can get real-time information about actual IT infrastructure energy consumption. IPMPlus works seamlessly across Windows and Linux operating systems on PCs, servers, peripherals and delivers enterprise-grade IT energy reporting.

- Pre-Configured, Customizable Power Policies
- Fine Grained, Application Sensing
- Non-Intrusive
- Quantified Power Savings
- Peak Load Management
- Schedule based Power Policies
- Managing Laptop Battery Charging
- Powerful Analytics & Reports
- Patented technology
- Featured by IBM as a Partner World solution and benchmarked at IBM Innovation Lab
- Certified by Microsoft for Windows 7 and 8
- Founding team from leading global technology companies
- Application aware, context aware
- An integrated approach to energy saving
- Recipient of leading global awards from Frost & Sullivan, Red Herring, NASSCOM, TIE, etc.
- Featured by Gartner as a "Cool IT Vendor"
- Huge installed base worldwide

Key Benefits of IPM+

- IPM+ enables sustainability solutions
- Delivers **30-40% energy savings**
- **No impact on user experience or system performance**
- **High Return on Investment**
- Correlation of power with IT systems performance leads to **reduction in Opex and Capex**
- Significant quantified reduction in CO₂ emission

What Will Energy Saving Do For You?

Using Our Solution, an Organization with 1,000 PCs Can Save



120,000 KWh (units) of electricity/year



210,000 lbs of CO₂



\$30,000/Year @ \$30/year/PC



24,000 full-grown trees @ 85 lbs/year of CO₂ absorption

Awards & Recognition



ESTEEM CUSTOMERS





NORTH

Agra
Amritsar
Chandigarh
Dehradun
Delhi
Ghaziabad
Ghorakpur
Gurgaon
Haldwani
Jaipur
Jalandhar
Jammu

Kanpur
Karnal
Lucknow
Ludhiana
Parwanoo
Srinagar
Varanasi

EAST

Bhuvaneshwar
Guwahati
Kolkata
Muzafferpur
Patna
Ranchi
Siliguri



SOUTH

Bangalore
Calicut
Chennai
Cochin
Coimbatore
Hubli
Hyderabad
Kottayam
Madurai
Mangalore
Pondichery

Secunderabad
Trivandrum
Vijayawada
Vizag

WEST

Ahmedabad
Aurangabad
Baroda
Bhavnagar
Bhopal
Goa
Indore
Jabalpur
Mumbai
Nagpur
Nashik



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Abacus infotech

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