



We do make you to completed solution

- Power Supply/Transformer/Choke(Inductor).
- UPS, Housing Surge Protection.
- Environment Management. (Controller with Software).
- MDB., MDB. with Stand alone Fire Protection, MDB with Environment Management Solution.
- Electrical Security : CCTV with Accessories.
- LED. Light & Energy saving Air Flow Fans.



48/238 Moo 4, Petchkasem Rd., Omyai, Sampran District, Nakhon Pathom, Thailand 73160

Tel : +662 808-9338 Fax : +662 808-9339, <http://www.ppctech.co.th>

COMPANY PROFILE



PPCTECH : Transformer manufactures custom transformers, inductors, and coils for electronics applications. We are capable of producing transformers up to 10 KVA, and our designs include the following transformer types.

- Isolation Transformer with Auto Transformer.
- Adaptor with Power Supply.
- MDB with controller.

We also have another product solution that's we do action for Distributor / OEM / ODM follow the customer's requirement.

Core Product :

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- Electrical Security : CCTV with Accessories.
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Company Information :

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Province : Nakhon Pathom

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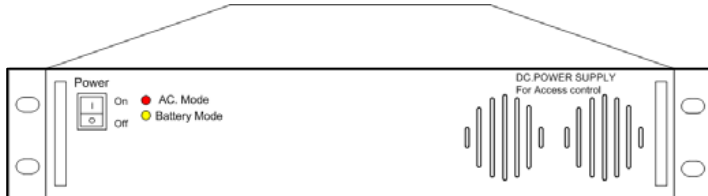
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Power Supply/Transformer/Choke(Inductor)

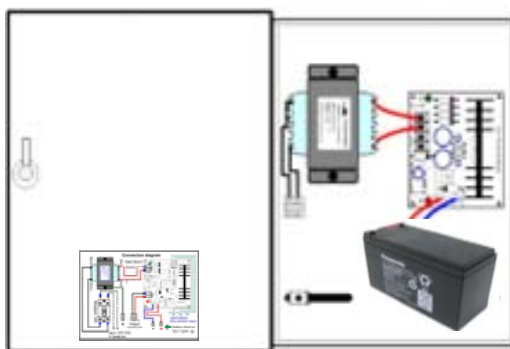


Introduce

PPCTECH Co.,Ltd. is produced about transformer, power supply, adaptor for electronic security system we specifically designed for use 24 hours we design and support power supply to a company with a leading system integration company in Thailand we supply adaptor power supply to distributors of CCTV camera brand American, Europe and Japan.



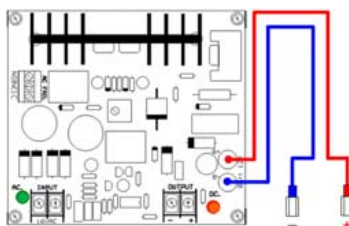
Power Supply rack type



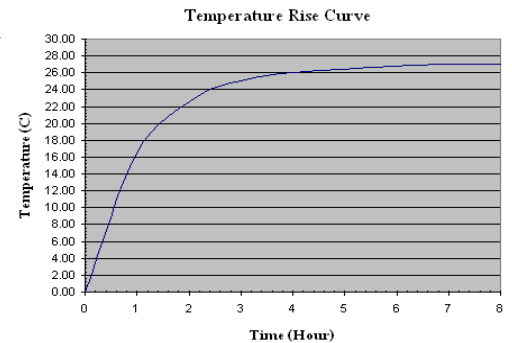
Power supply box type



Power supply for Outdoor PTZ. Camera



Power supply Board
(Open frame)



Design Principles

Electronic security system that demands high stability, equipment used in the system must have high quality and good compatibility if some equipments do not have the quality it's effect to the system was not stable.

Many system integrators may see transformer, adaptor power supply is less important in the system but actually, these equipments are also important as well. Because if they do not have quality equipment will make no quality system although the use of other equipments high quality.

PPCTECH Co., Ltd.'s products quality and specializes for transformers and power supply to use for the actual environment we select quality electronic part to products adaptor power supply and design for low magnetic flux density transformer to reduce residual magnetism so transformer is less heat and long life more than transformer in general.

Transformer/Choke Design Equation

$$N_p = \frac{V_{in}}{4.44 f B A}$$
$$N_s = \frac{V_{out}}{4.44 f B A}$$

Np:	Primary TurnTurn.
Ns:	Secondary TurnTurn.
f:	Line FrequencyHz.
Vin:	AC. Input VoltageVolt.
Vout:	AC. Output VoltageVolt.
B:	Flux DensityWb/mm. ²
A:	Cross Section Areasm. ²

Transformer design will set B: Flux density low or set turn of transformer more than general transformer for reduce residual magnetism of transformer so transformer is less heat than transfo in general.

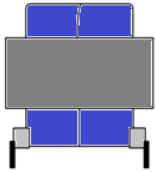


Power supply Adaptor type

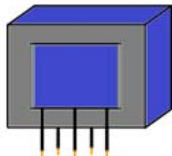


Transformer/Choke (Inductor)

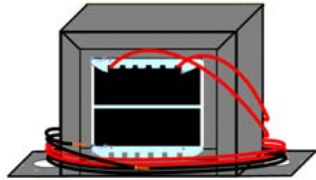
PPCTECH's Products transformer and choke(inductor) is variety type for difference purpose and we design products follow requirement or follow the specifications from customers.



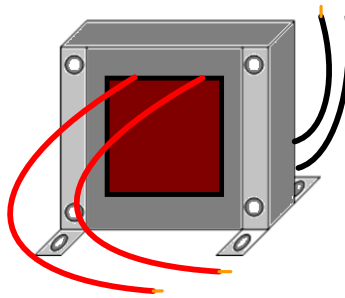
PCB. Type



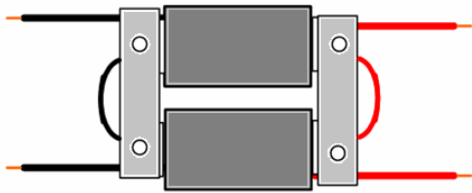
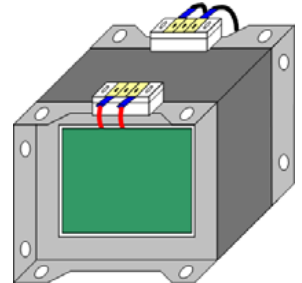
Blanket set type



L shape set type



Frame type



UI Core
(for narrow areas)



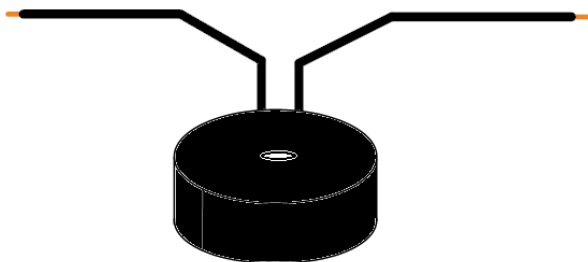
Ferrite core
(PCB.Type)



Toroidal core



Drum Core Choke



Toroidal core with epoxy resin



Three phase

Surge Protection



Surge Protector or the equipment protects the fire pulls sharply tall pressure for a moment be the equipment that help to decrease electricity pressure and electric upland current have gone up quickly during the time briefly which upland many energy such can build the damage build the electrical equipment tiny equipment waits for the NIC and a tool the utensil in data processing supervision etc. In camera circuit system closes Surge Protector there is the necessity very much installation equipment Surge Protection can help decrease and do blocking electric current tall pressure is the level a kilogram brags (KV) do not give enter harm with circuit camera can close.



MODEL : EN-RJ45-POE

IP Camera Surge protector Support POE :IEEE 802.3af



MODEL : EN-BNC-RG

Video BNC for Analog camera surge protection



MODEL : LY1-C40

Surge Power 40KA



MODEL : EN-RS485-DATA

Surge RS485

UPS : (Un-interruptible Power Supply)

Metartec supply an extensive range of both single and three-phase Uninterruptible Power Supplies (UPS). These units range from 650VA to 1.6MVA and are available in rack, tower or versatile (rack/tower) formats.

Metartec's UPS Systems offer the following benefits:

Own Brand UPS

At Metartec we have our 'Own Brand' UPS units that are manufactured from the same OEM's (Original Equipment Manufacturers) as many of the leading UPS brands on the market. Metartec units are designed to meet and exceed the needs of our customers – without a premium price tag.

Unlocked Software

Many UPS's on the market currently have locked software, resulting in only the manufacturer being able to action repairs should any of these units fail. At Metartec all our UPS units are designed with 'Unlocked Software' which means our customers have the freedom of choice when it comes to choosing their preferred service provider. This factor alone can play a major part in reducing the overall cost of UPS ownership.



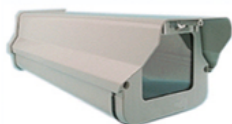
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Camera Housing (IP & Analog)



Housing, be the equipment adds that help to protect give circuit camera closes inside location, there is the durability builds the weather the environment differs can to lead circuit telescope closes to go to set up can is usable every the place follows the requirement by have give choose many the generation follow the suitability and the environment of each the place such as the generation has the ventilators inside. The generation that have Heater for dissolve vague don't give catch the monitor, the generation that have IR for help give see a picture on during nighttime or the place is become dark there is the a little light.



MODEL : EN-HS1001

Indoor/Outdoor Housing for IP camera support Varifocal (manual zoom) lens

MODEL : EN-HS1002

Indoor/Outdoor Housing IP camera with Heater/Blower support Varifocal (manual zoom) lens



MODEL : EN-HS1003

Indoor/Outdoor Housing for IP camera, with blower and IR Illumination support Varifocal (manual zoom) lens

Fire Protection : Stand Alone Solution

Environmental Friendly

Our Products Are:

Non - Toxic

Non - Conductive

No Oxygen Depletion

Global Warming Potential = 0

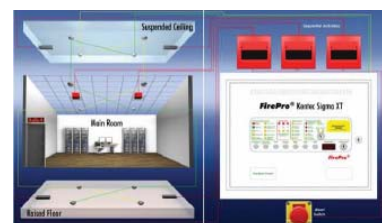
Ozone Depletion Potential = 0

Atmospheric Lifetime = Negligible

CFC Free

ISO 14001 Certified

FirePro®
Fire Extinguishing Aerosol Systems

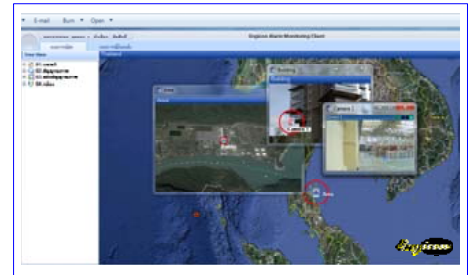


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Environment Management box Controller

The controller Box Model: EN-CB01 is intelligent product of PPCTECH. this product is a main of hardware Environment management system to receive inputs detectors (dry contact). Then the input incoming to the controller box It is transmit input point to alarm on graphic user interface monitors (GUI) ,a user can monitoring ,control or action from Monitoring computer or computer client the network a system is suitable for various applications such as small areas the Shop / branch the system also supports a IP cameras for surveillances monitoring even on area.

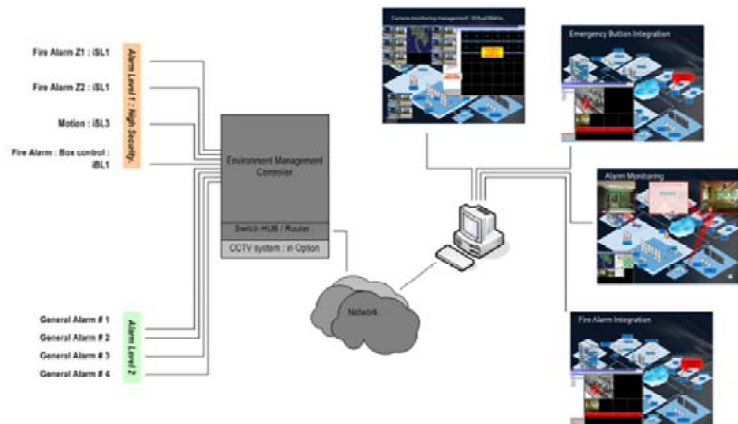


Environment management software

Environment management software is software for management system and solution those system is use for environment management of small area shop / branch by monitoring, control or action to the interface equipment to the system on area.

Solution Creation (for SI) :

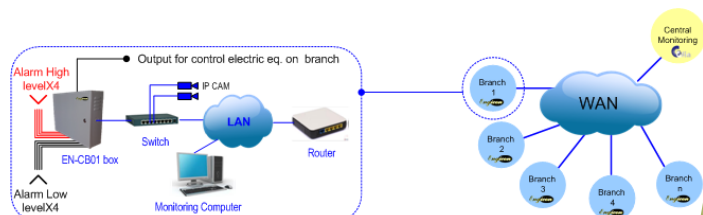
- Interface with Fire Alarm system & Fire Protection.
- Interface with Fire Alarm System & CCTV with Fire Protection system.
- Interface with Call point with CCTV system.
- Interface with Emergency call point with CCTV.
- Interface with all sensor by dry-contact to monitoring at the control center.
- etc.



SOS System



Branch solution



MDB. (Main Distributor Board)



The Main Distributor Board (MDB) be panelboard sky large-sized cabinet , for the work sets up within a building , use in medium-size building goes to until large-sized such as the part government service organization, State Enterprises, store building, gamboge hotel, nurse, go to until the industrial factory by take the fire from power board or power low side from a pot transforms the sky sells (Low voltage Distribution Transformer) already pay load go to still the stall digest in all proportion of cabinet building , MDB , have large-sized weigh very, then often lay on the ground there are various formats follow the designer and the property of the techniqe follow the area infront the work and usability character cabinet MDB of the ligament [N letter] carries , divide 3 a kind be cabinet. The MDB format generation generally cabinet. The MDB stick the equipment switches off automatic fire and the cabinet. The MDB based on solution system, it's administrate manage the cabinet.

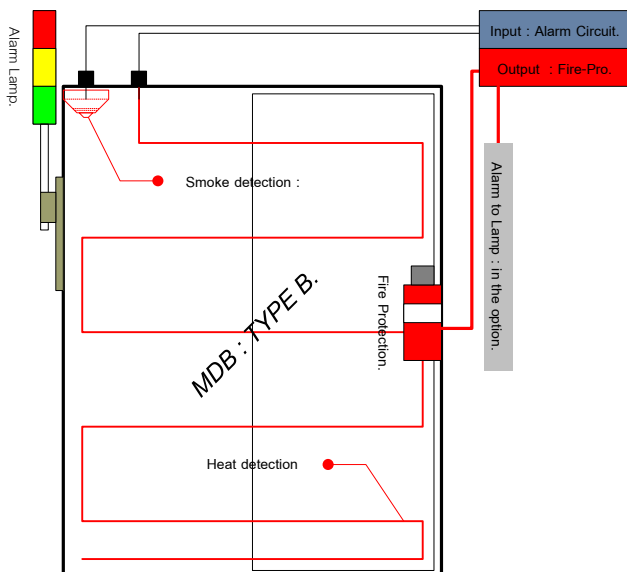
Type A : General Type.



Product Advantage :

- The Product followed IEC Standard.
- Material completed from UL, CE, standard equipment.
- The Product will be stronger than another brand.

Type B : MDB with Fire Protection.



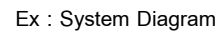
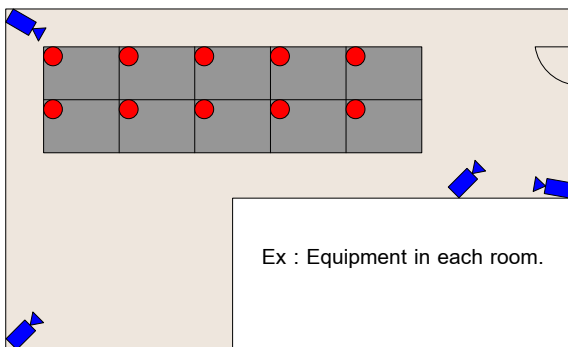
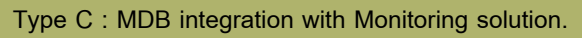
Product Advantage :

- Interface with Fire Alarm Stand Alone solution.
- MDB was protected by Fire-Pro equipment.
- Alarm to the lamp : (in the option.)
- The Product followed IEC Standard.
- Material completed from UL, CE, standard equipment.
- The Product will be stronger than another brand.



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CCTV. : (Close Circuit Television)



PPCTECH Co.,Ltd. We're distributor of CCTV. brands Sony, Samsung and Neo all is a high quality camera and the confidence in quality by brand and they have technology specialists and they have service centers located in Thailand to a confidence in the after-sales service as well PPCTECH's team is professionals for technical support we have knowledgeable specialists in products technology of all brands we can presentation, demo, select product, design solutions and tender for support dealer to the best solution, price and after sales service.



Sony is brand from Japan is known worldwide because Sony is a leader in video and audio. I technology they research and development continues until the products into products such as video and audio.

1. Capture Image such as : camcorder, digital Still camera, camcorders, handy cam, mobile phones and CCTV. camera
2. Stock / Play Image such as : conferencing system, bluray, vaio, game playstation and NVR.
3. display image such as : monitor, projector and bravia

CCTV brand Sony is a very high tech technology of a camera with a view-dr technology the technology is wind dynamic technology the best in the world and video format is technology broadcast for video smooth CCTV pictures is better than any brand because chip image processing device (CCD, CMOS) is a technology sony's most advanced and modern more than any brand (80% of anybrand use CCD, CMOS brand sony)

CCTV brand Sony is various of style and technical specifications for designs electronics security system to meet requirement of user.



Samsung is brand from south Korea that is known in the world they have specific technologies technology and a wide range of products such as television-monitor, smart phones, audio-visual products, memory devices, printer home appliances and air conditioners.

CCTV brand Samsung is a specific technologies technology products are high quality, durable diversity Samsung has also

NVR. embedded/PC. base for recording/Play Image from

IP cameras and DVR. embedded /PC. Base for the recording of analog cameras.

CCTV brand Samsung is various of style and technical specifications for designs electronics security system to meet requirement of user



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LED. Light



The company is ascending to become a leading supplier due to the product design, production, importation all about the LED. Product. Our company's policy is to search and product a high quality, high brightness and high efficiency for all LED. Light. The chip that we use with our product mostly from CREE and NICHIA to respond our customer requirements for their indoor/outdoor use over 80% of our products was certificated by TISI :1955-2551.



Indoor LED. Light types



Indoor Location Applications



Outdoor LED. Light types



Outdoor Location Applications

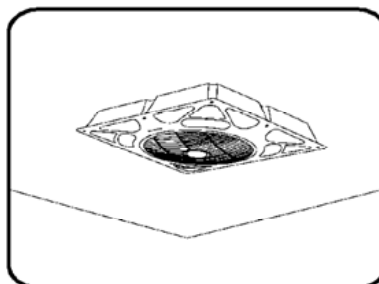
Energy saving Air Flow Fans.

The energy saving air flow fans is intelligent product for air-conditioning energy saving in the building air-conditioning energy consumption more than 40% (primary goal) when installed the product can saving energy of air-conditioning maximum 40% (Depend on condition in area)

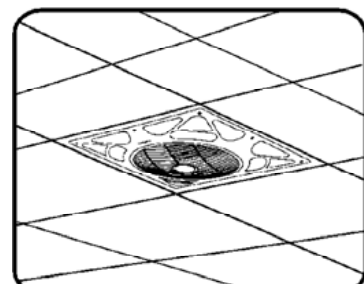
Easy to Install



CJ-501
Energy saving Air Flow Fans.



Normal ceiling installation



Light steel frameworks (T-bar)
Installation



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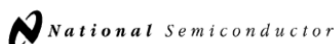
Reference : Partner Brand



Reference and Experience.

- Honeywell Systems (Thailand) Ltd.
- Chubb (Thailand) Ltd.
- Diebold (Thailand) Co.,Ltd.
- Siemens Ltd.
- AES Group Ltd.
- G4S Secure Solutions (Thailand) Ltd.
- Pointer Asia Ltd.
- Mecomb (Thailand) Co.,Ltd.
- Samart Engineering Co.,Ltd.
- Law Enforcement Technology Solutions Co.,ltd. (Loxley group)
- Louis T. Leonowens Co.,Ltd.
- Amata B.Grimm Power Group.
- CPRAM Co.,Ltd.
- NHK Spring (Thailand) Co.,Ltd.
- United Standard Terminal PCL.
- Sapanan General Food Co.,Ltd.
- Thainamthip Co.,Ltd.
- Thai foods Group PCL.
- The lake condominium.
- Superia condominium.
- Nakhon Pathom Rajabhat University.
- Gamaco Co.,Ltd.

and ETC.



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