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Twisted Pair Transmission

Passive Series

Smart twisted pair transmission products are designed for CCTV signal transmission over unshielded twisted pair wire (CAT5 network cable). These smart cabling system transmission are an alternative solution to coaxial and fiber based systems, providing following benefits:

- Fast, easy installation, saving time and money.
- Substantial savings on the cost of the cable itself.
- Superb quality on long range transmission.

Passive Video Transceiver (no power required), transmission range color 400 meters, B/W 600 meters via CAT5 UTP Cable.

TTP111V

Video Transceiver BNC Male To RJ-45 Female

- BNC male to RJ45 female.



TTP111VT

Video Transceiver BNC Male To Terminal Block

- BNC male to 2 pin terminal block.



* TTP111VF Video Transceiver F Male To Terminal Block.

TTP111VTS

Video Transceiver Built in Surge Protector

- Identical to TTP111VT, but built in surge protection.

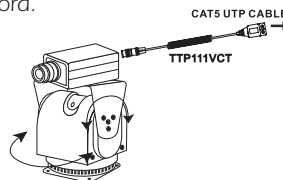
New



TTP111VCT

Video Transceiver With 18cm Retractable Cord

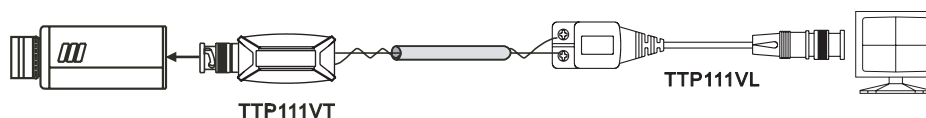
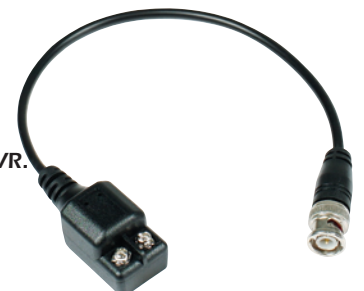
- BNC male to screw terminals with 18cm Retractable Cord.
- Weatherproof IP65.
- Perfect for camera with pan-tilt turning device.



TTP111VL

Video Transceiver With 25cm Mini Coax Cable

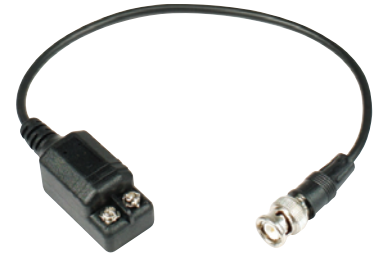
- BNC male to terminal block.
- Weatherproof IP65.
- Compact size with pigtail, could be mounted multi units behind multiplexer, quad, DVR.



TTP111VLH

Video Transceiver With Extra Interference Rejection

- BNC male to terminal block with 25cm mini coax cable.
- Weatherproof IP65.
- **Perfect work with DVR to immunity DVR interference.**
- Built in a highly balanced mode of video transmission, which is immune to interference from these, and other sources of noise: data signals, other video signals, nearby power, ringing telephones, fluorescent lights, transformers, and more...



Twisted Pair Transmission

CAT5 VGA Transmission

TTP111VP

Video & Power Transceiver (2 pairs version)

- BNC Male To RJ45 Female With Power Cord.
- Use with TTP111VPJ, transmit video & power 2 pairs over one CAT 5 cable. (range 50meters).
- Use with TDP414VP for power transmission 4 cameras from remote site.



IP Cabling Transmission

Audio Transmission

TTP111VP3

Video & Power Transceiver (3 Pairs Version)

- Identical to TTP111VP, but remote power go through via "3 pairs" to instead of 2 pairs for longer range.
- For AC24V camera use, the power sources from TPP016VPD hub for professional CCTV Industry Installation. (Please Ref. to page 9)

New



Data Transmission

Coaxial Cabling Transmission

TTP111VPC

Video & Power Transceiver Built in AC to DC12V Power Converter

- Video (one pair) and remote power (2 or 3 pairs) transmission over one 4pairs CAT5 cable.
- Built in AC to DC12V regulated power converter, 1000mA max. .
- Built in switch to set unit for "2 pair power through" or "3 pairs power through" mode.
- For DC12V camera use, the power sources from TPP016VPD hub(AC24V) for professional CCTV Industry Installation.
- Transmission range up to 300 meters (max.)
- BNC for video, power cord for power, RJ45 female output for video and power.
- Eliminates costly coaxial cables and minimize installation time.
- Use with TPP016VPD for 16 channel video, power over professional CAT5 RJ45 cabling. (Please Ref. to page 9)

New



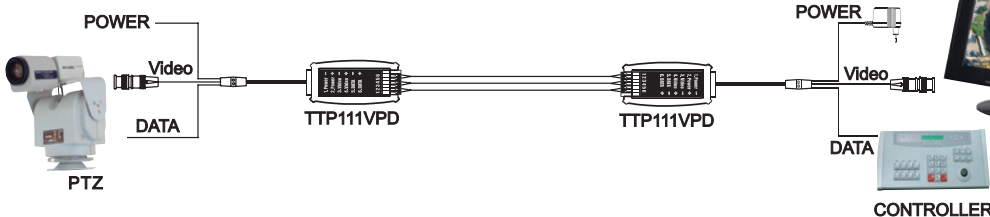
Surge Protector

Solution Provider for Video Interference

TTP111VPD

Video, Power, Data Transceiver (Terminal Termination)

- Male BNC with DC Plug+2 pin pigtail to 6 "push pin" terminal.
- Push pin terminal for easy cable connection.
- Video , low voltage camera power, data (RS422, RS485) transmission over one CAT5 cable.



Power Center

Accessories

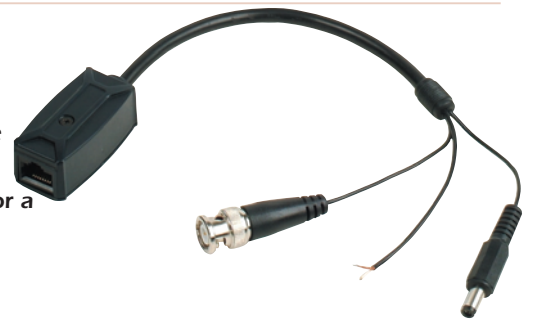
Application Guide

Twisted Pair Transmission

TTP111VPD-RJ45

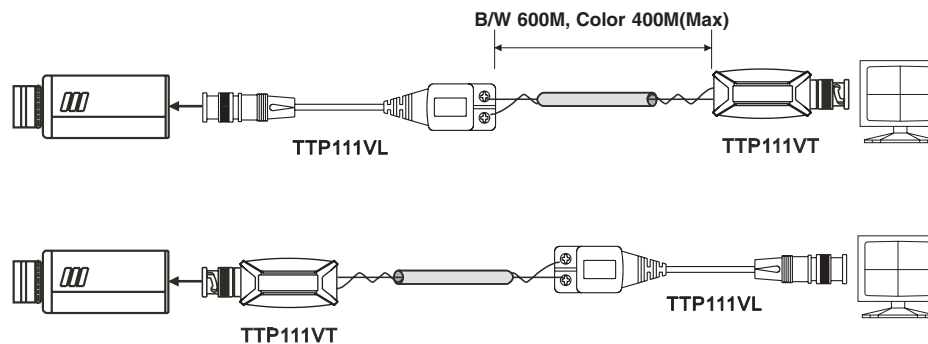
Video, Power, Data Transceiver (RJ45 Termination)

- Identical to TTP111VPD, but with RJ45 connector instead of terminal.
- Video, low voltage camera power, data (RS422, RS485) transmission over one CAT 5 cable.
- Use with TDP016+ TPP016-RJ45 for 16 channel video, power, data for a neat and professional CAT5 cabling solution(Ref. to page 9).



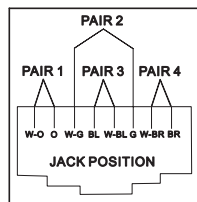
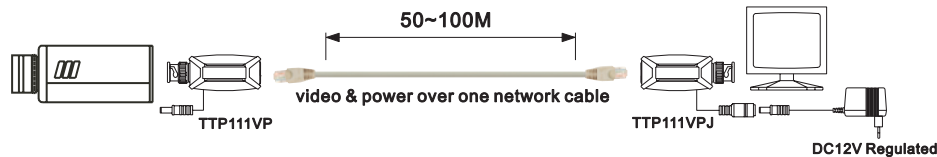
Kit Series

TTP111VK (TTP111VT+TTP111VL) DIY KIT



TTP111VPK (TTP111VP+TTP111VPJ) DIY KIT

- Video & Power Transmission Over One CAT 5 Cable



RJ45 pin connect

- Pair 1 : 1. Orange-white & 2. Orange
- Pair 2 : 3. Green-white & 6. Green + → Power
- Pair 3 : 5. Blue-white & 4. Blue + → Power
- Pair 4 : 7. Brown-white & 8. Brown → Video



TTP111VPK-T (TTP111VP-T+TTP111VPJ-T) Professional KIT

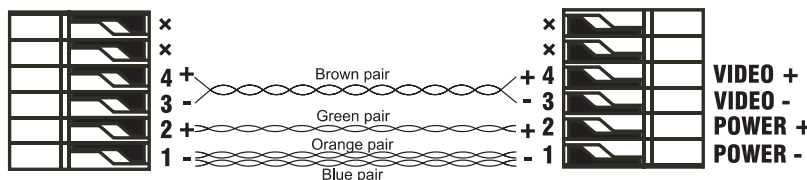
- Send video & power over one CAT5 UTP cable.
- 6 pin terminal connector for easy connections.
- Power cable could be one, two, or three pairs option based on camera power consumption and transmission range.

TTP111VP-T

- BNC male + power DC plug to 6 pin terminal

TTP111VPJ-T

- BNC male + power DC jack to 6 pin terminal



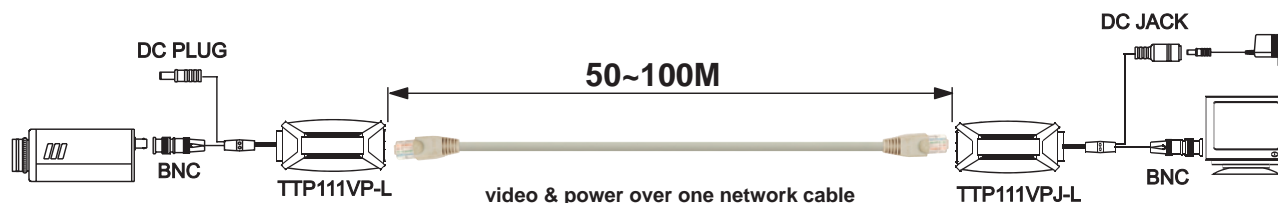
Note: The Blue pair can be split and used to supplement the conductors on terminals 1 to extend the power transmission distance.



TTP111VP-LK (TTP111VP-L+TTP111VPJ-L) with Pigtail version

New

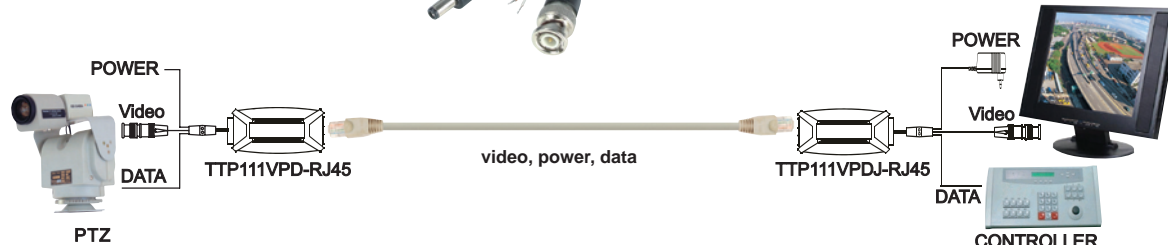
- Video & Power Transmission over one CAT5 cable
- With Pigtail version for easy mounting and installation.
- Compact size with pigtail, could be mounted multi whits behind multiplexer, quad, DVR.



TTP111VPD-RJ45-K (TTP111VPD-RJ45+TTP111VPDJ-RJ45) DIY Kit

New

- Video, power, data combiner.
- Video, low voltage camera power, data (RS422, 485) transmission over one CAT5 UTP cable.



TTP414V

4 Channel Video Transceiver

- 4 x BNC female to 1 x RJ45 female + 8 pin terminal block.
- Four passive transceivers in one product.
- Choice of RJ45 or push pin terminal inputs/outputs.



TTP414VD

4 Channel Video Transceiver With Data

- 4 x BNC female + 1 x RJ45 female + 1 x terminal block (for RS485/422 data transmission).
- Using 4 pairs CAT5 cable to transmit/receive 3 sets video signals plus 1 data signal or transmit/ receive 4 sets video signals only.



TTP414VH

4 Channel Video Transceiver With Extra Interference Rejection

- 4 BNC female to 1 x RJ45 female.
- Perfect work with DVR to immunity DVR interference.
- Built in a highly balanced mode of video transmission, which is immune to interference from these, and other sources of noise: Data signals, other video signals, nearby power, ringing telephones, fluorescent lights, transformers, and more...



Twisted Pair Transmission

TTP444V

4 Channel Video Transceiver 4 x BNC Female to 4 x RJ45 Female

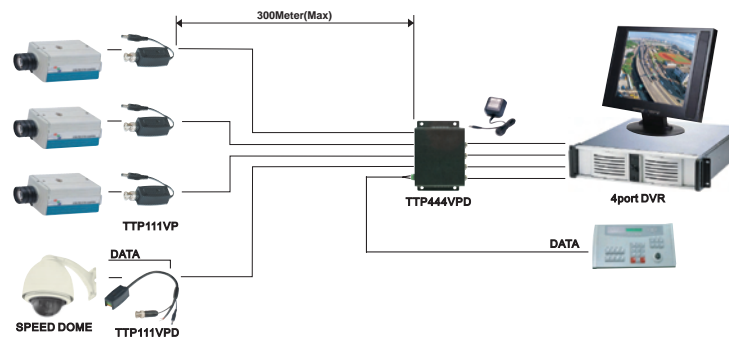
- 4 x BNC female to 4 x RJ45 female.
- Four passive transceivers in one product.



TTP444VPD

4 Channel Video, Power, Data Transceiver

- 4 x BNC female + DC power to 4 x RJ45 female + 2 pin terminal for data.
- Video, camera power, data (RS422, RS485) transmission over one CAT 5 cable.
- Built in PTC fuse for short protection.
- Use with TTP111VPD, transmit 4 channels video, power, data over four CAT5 cable.



Active Series

Active Video Transceiver (power required), transmission range color 1500 meters, B/W 2400 meters via CAT 5 UTP Cable.

TTA111AV

Active Video & Audio & Data Twisted Pair Transmission

- Transmit video, audio and data signal (RS422, RS485).
- Three position range switch for gain select on transmitter.
- Five position distance range switch on receiver, brightness adjustment, two video output.
- Built in transient protection and ground lifting.

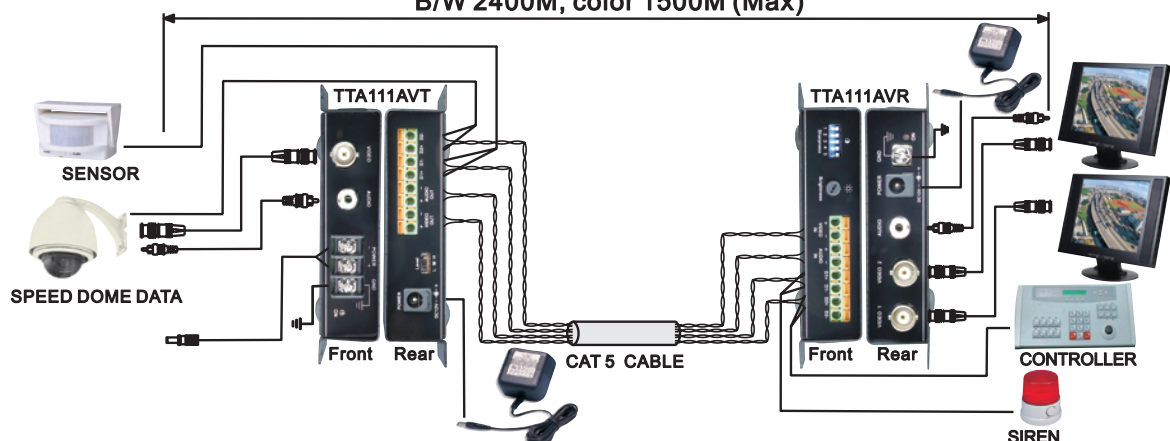


TTA111AVT Transmitter



TTA111AVR Receiver

B/W 2400M, color 1500M (Max)



TTA111V

Active Video Twisted Pair Transmission

- Video color burst and luminance adjustments at TTA111VT transmitter.
- Easy setting with 2 adjustments for color gain and brightness at TTA111VR receiver.
- Built in transient protection and ground lifting.
- System is integrated with alarm sensor (PIR, Magnetic, etc...) or RS485/422 data.



TTA111VT Transmitter

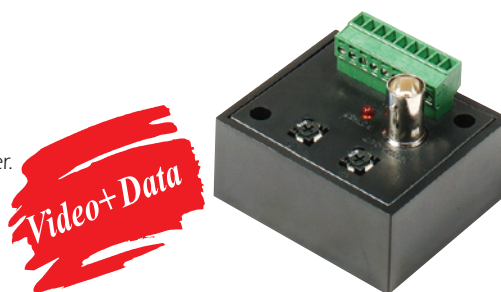


TTA111VR Receiver

TTA111VRH

Long Range Active Receiver

- Designed for long range video transmission.
- Video and data receiver.
- Dual Power: DC12V , AC24V
- Transmission range from 100 meters to 1200 meters when work with passive transmitter.
- Transmission range from 100 meters to 1800 meters when work with active transmitter.
- Easy setting with 2 adjustments for color gain and brightness.
- Built in ground loop isolation.
- Built in transit protection and ground lifting.



TTA111VH

Active Receiver With Extra Interference Rejection

- Built in a highly balanced mode of video transmission for extra interference immunity.
- HF,MFLF compensation for color gain and adjustable brightness & contrast for cleaner, sharper looking picture.
- Built in input impedance, balance, liner gain adjustment.
- Built in surge protection.
- Perfect to maintain good quality picture for long-range transmission with DVR.
- Using two sets TTA111VT+TTA111VH for series connection, range up to 2.4Km(Color), 3Km(B/W).



TTA414VR

4 Channel Active Receiver

- Built in 4 port active receivers.
- Others identical to TTA111VR.
- Built in a highly balanced mode of video transmission for extra interference immunity.



OPTION:

To protect high value camera and CCTV image processor/monitoring equipment destroyed from high voltage surges from nearby lightning strikes, the long-range twisted pair cable go through outdoors. To add **surge protection** SP003-SP006 device on the back of camera and front of CCTV image processor/monitoring equipments. Small money to save high value CCTV equipments.

Twisted Pair Transmission

Panel

TPP016

16 Port Passive Video Transceiver Hub In 1U Rack Mounting Panel

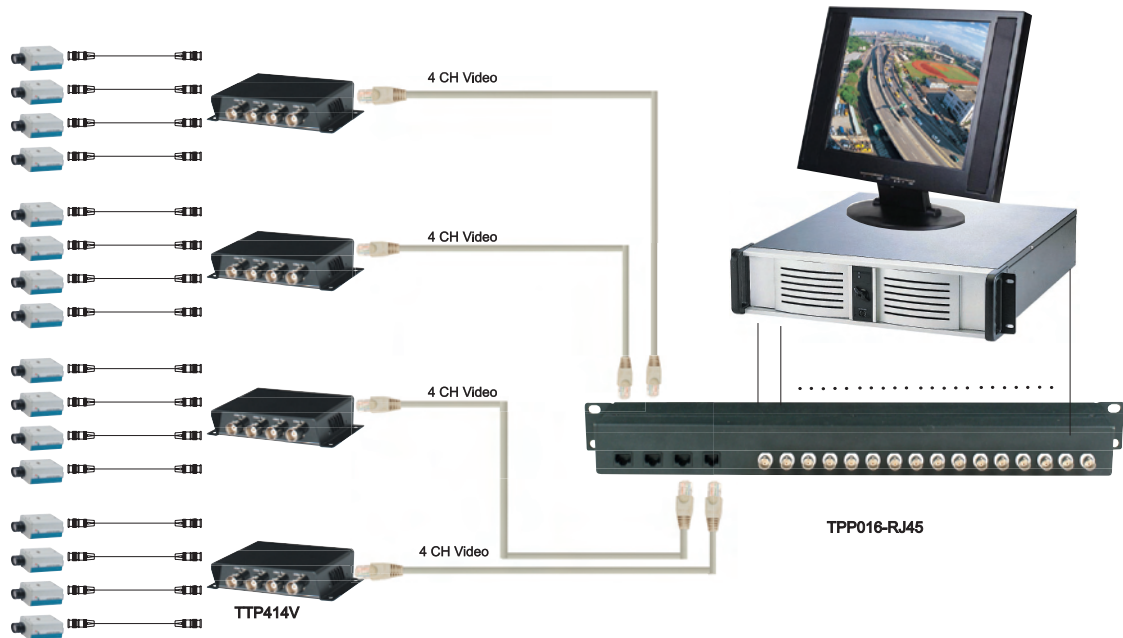
- Built in 16 port passive transceivers in 1U 19" rack mounting panel.
- As a rack mounting passive transmitter hub, use with active receiver at distance up to 1000 meters.
- Passive, no power required.
- Built in a highly balanced mode of video transmission for extra interference immunity.



TPP016-RJ45

16 Port Passive Video Transceiver Hub In 1U Rack Mounting Panel

- Identical to TPP016, but using RJ45 termination instead of terminal block.
- 16 BNC connector for video output, 4 x RJ45 connector for 16 channel video input.
- Use with TTP414V or use with TTP111VPD-RJ45+TDP016 for a neat and professional CAT5 cabling solution.



TPP016D

16 Port Passive Video & Data Transceiver Hub In 1U Rack Mounting Panel

- Identical to TPP016, but with data transmission.
- 1 x RS485 data input to 16 x RS485 output.



TPP016GB

16 Port Passive Video Transceiver Hub Built in Ground Loop Isolator

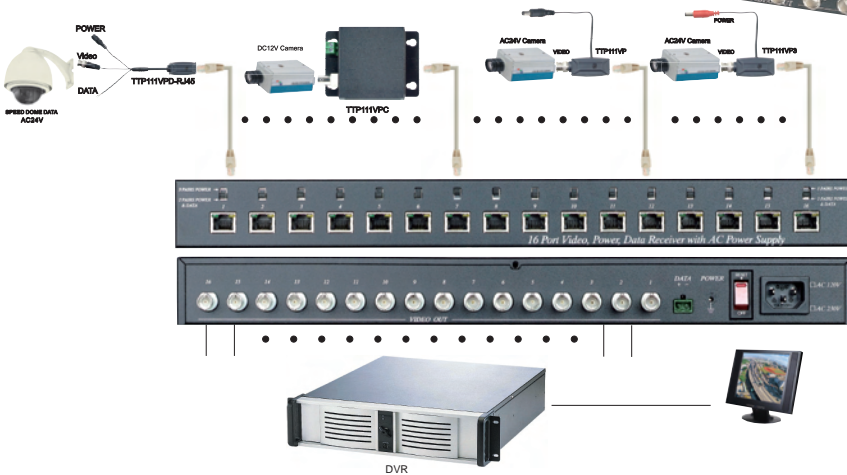
- Identical to TPP016.
- **Built in hi performance ground loop isolator (GL001H) at each channel.**(Refer to Page 31)
- Low video loss , Bandwidth: 20Hz -11MHz ,+0/-3dB.
- Prevents video-signal distortion caused by video ground loops.
- Eliminates picture tearing, cross talk and rolling.
- Prevents power cables laid by others interfering with the CCTV system.



TPP016VPD

16 Port Passive Video, Power, Data UTP Hub with AC Power Supply in 1U Rack Mounting Panel

- TPP016VPD UTP hub integrate and send video and power, data over a single 4 pairs CAT5 cable up to 300 meters.
- **Built in switch at each port to set unit for "2 pair power + 1 pair data" mode or "3 pairs power" mode.**
- Power cameras via 2 or 3 pairs UTP cable for variety distances.
- Use with video power transceiver TTP111VP3 (AC24V camera) or TTP111VPC (DC12V camera) at camera side, to send video and power.
- Use with TTP111VPD-RJ45 video, power, data combiner at the camera side, to send video, power and data.
- **8 Amp AC24V power, each port output current up to 1.1Amp for camera, max up to 8 Amp.**
- Built in "no fuse breaker" to avoid current overload.
- Built in PTC (positive temperature coefficient) for short protection and auto rework on each port.
- Built in surge protection.
- Perfect cable management solution from the camera to the wiring station, control room.



New



TPA008

8 Port Active Receiver Hub In 1U Rack Mounting Panel

- Built in 8 port TTA111VR active receivers in 1U 19" rack mounting panel.
- Built in a highly balanced mode of video transmission for extra interference immunity.
- Built in transient protection and ground lifting.



- Twisted Pair Transmission
- CAT5 VGA Transmission
- IP Cabling Transmission
- Audio Transmission
- Data Transmission
- Coaxial Cabling Transmission
- Surge Protector
- Solution Provider for Video Interference
- Power Center
- Accessories
- Application Guide

Twisted Pair Transmission

TPA008H

8 Port Active Receiver Distribution Amplifier In 1U Rack Mounting Panel

- Identical to TPA008.
- 8 inputs (UTP screw-terminal input) to 16 outputs (BNC).
- Built in surge protection, perfect to work with DVR.



TPA016

16 Port Active Receiver Hub In 1U Rack Mounting Panel

- Built in 16 port TTA111VR active receivers in 1U 19" rack mounting panel.
- Built in a highly balanced mode of video transmission for extra interference immunity.
- Built in transient protection and ground lifting.



TPA016H

16 Port Active Receiver Distribution Amplifier In 1U Rack Mounting Panel

- Identical to TPA016.
- 16 inputs (UTP screw-terminal input) to 32 outputs (BNC).
- Built in surge protection, perfect to work with DVR.



TPN009

19" 2U Rack Mounting Panel

- Standard 19-inch (482mm) wide, 3.5-inch (88mm) 2U high.
- Support up to 9 pieces of TTA111VR or CD102.
- This heavy-gauge panel is designed to withstand the mechanical load of multiple cables.



Application:



CD102 or TTA111VR

TPN012-C

19" Universal Rack Mounting Panel With 4 Pieces Holder

- 4 pieces holder for plastic case (to fit TTP414VD, TTP414VH, TTA111VH, CD102A, CD104, CA404, CA101VH, CA101A)
- Standard 19-inch (482mm) wide, could supports up to 12 pieces holder.



Application: TTA111VH, CA404, CD104....

TPN012C

4 Pieces Holder In One Bag For TPN012-C

TPN012-T

19" Universal Rack Mounting Panel With 4 Pieces Holder

- 4 pieces holder for Metal case (to fit, TTP111AV, TTP414V, TTP444V, TTA111AVR)
- Standard 19-inch (482mm) wide, could supports up to 12 pieces holder.



Application: TTP414V, TTP111AV, TTA111AVR....

TPN012T

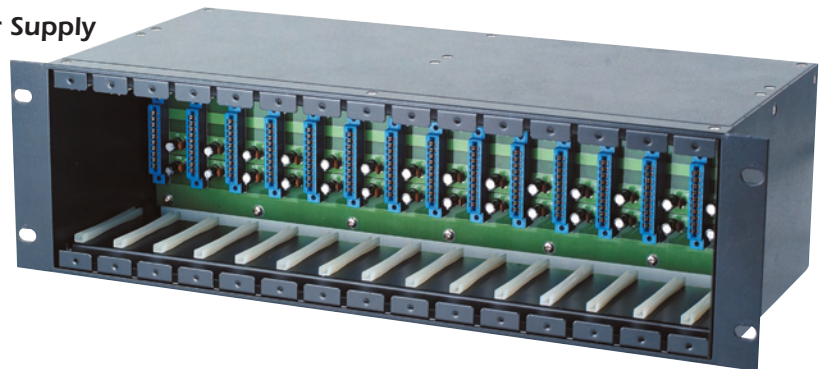
4 Pieces Holder In One Bag For TPN012-T

19" Rack Card Series

TRN012

3U 19" Rack Mounting Cabinet Built In Power Supply

- Standard 19" 3U rack mounting cabinet **built in 3Amp switching power supply.**
- 15 insert lots for TRP414VH, TRA111VH receiver rack card.
- No cooling fans required.
- Ground connecting for protection monitoring equipment.
- Ideal for large security monitoring stations or video distributions hubs.



TRP414VH

19" Rack Card 4 Channel Passive Receiver

- 1 RJ45 input and 4 video BNC outputs.
- **Built in a highly balanced mode of video transmission for extra interference immunity, perfect work with DVR to immunity DVR interference.**
- Use with TRN012, to insert up to 15 pieces TRP414VH for 60 channel passive video transmission.



TRA111VH

19" Rack Card 1 Channel Active Receiver

- Built in a highly balanced mode of video transmission for extra interference immunity.
- HF, MF, LF compensation for color gain and adjustable brightness & contract for cleaner, sharper looking picture.
- **Built in surge protection.**
- **Perfect to maintain good quality picture for long-range transmission with DVR.**
- Use with TRN012, to insert up to 15 pieces TRA111VH for 15 channel active video receive.



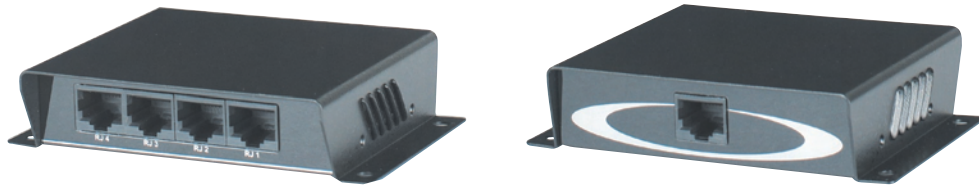
Twisted Pair Transmission

Cable Hub

TDP414V

4 RJ45 Female to 1 RJ45 Female Cable Hub

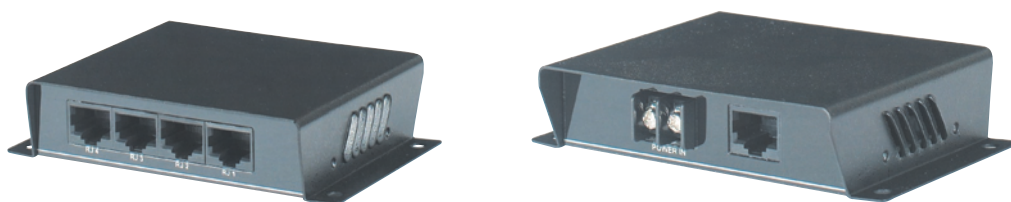
- Combine 4 UTP cables in to 1 cable.



TDP414VP

4 RJ45 Female to 1 RJ45 Female Cable Hub With Power

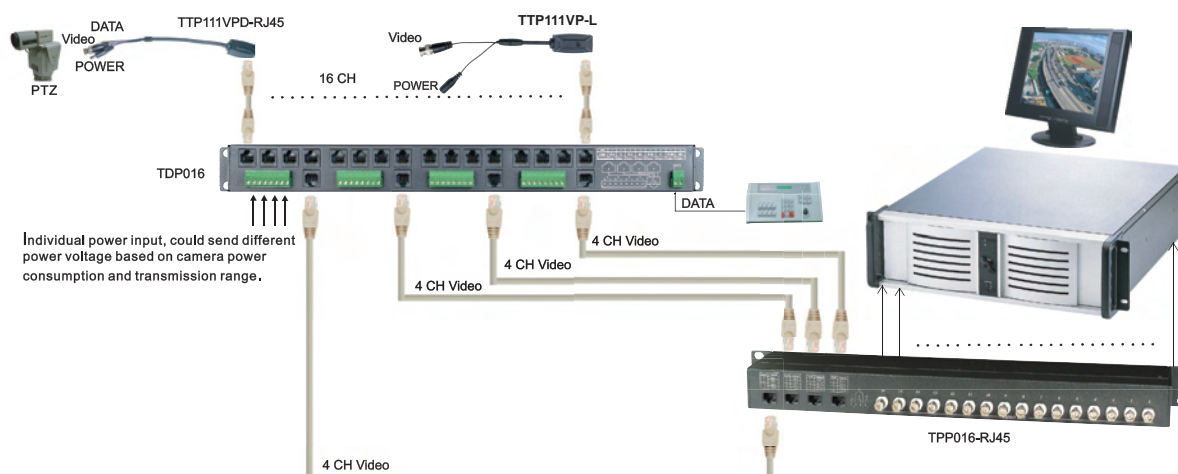
- Built in terminal block for DC in.
- Built in PTC (positive temperature coefficient) fuse for short protection.
- Use with TTP111VP to transmit power for camera use from remote site 50 meters.



TDP016

16 Port Cable Integrator (Video, Power, Data) In 1U Rack Mounting Panel

- 16 x RJ45 connector for video input+ power output+ data output.
- 4 x RJ45 connector for video output, 4 x 8 pin terminal for power input, 1 x 2 pin terminal for data input.
- Built in surge protection on data.
- 16 cameras cable termination panel, use for integrating power, video and data signals onto 4 x RJ45 4 pairs UTP cable.
- Individual power input, could send different power voltage based on camera power consumption and transmission range.
- Use with TTP111VPD-RJ45 video, power, data transceiver at the camera side.
- Use any third-party power supply to power cameras via UTP cable.
- Use with TPP016-RJ45 as video transceiver receiver at control room.
- Perfect cable management solution from the camera to the wiring station, control room.

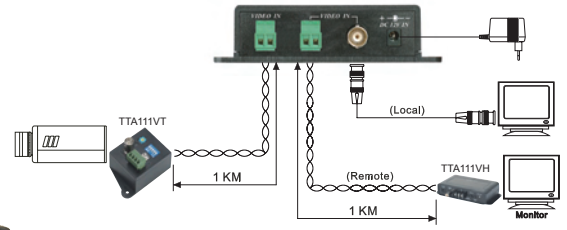


UTP Video Distributor

TDA102

Twisted Pair 1 Input to 2 Output Video Distributor

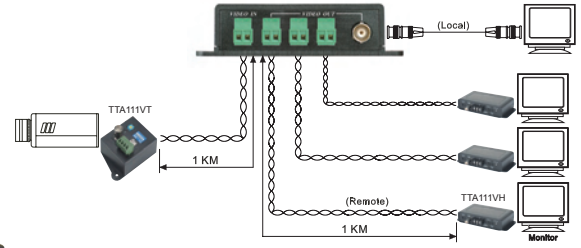
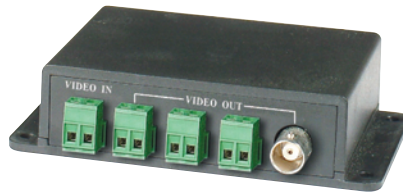
- Video input: 2 pin terminal block.
- Built in twisted pair active receiver (TTA111VR).
- Dual output: 1 BNC output for local, plus 1 terminal output for remote side.



TDA104

Twisted Pair 1 Input to 4 Output Video Distributor

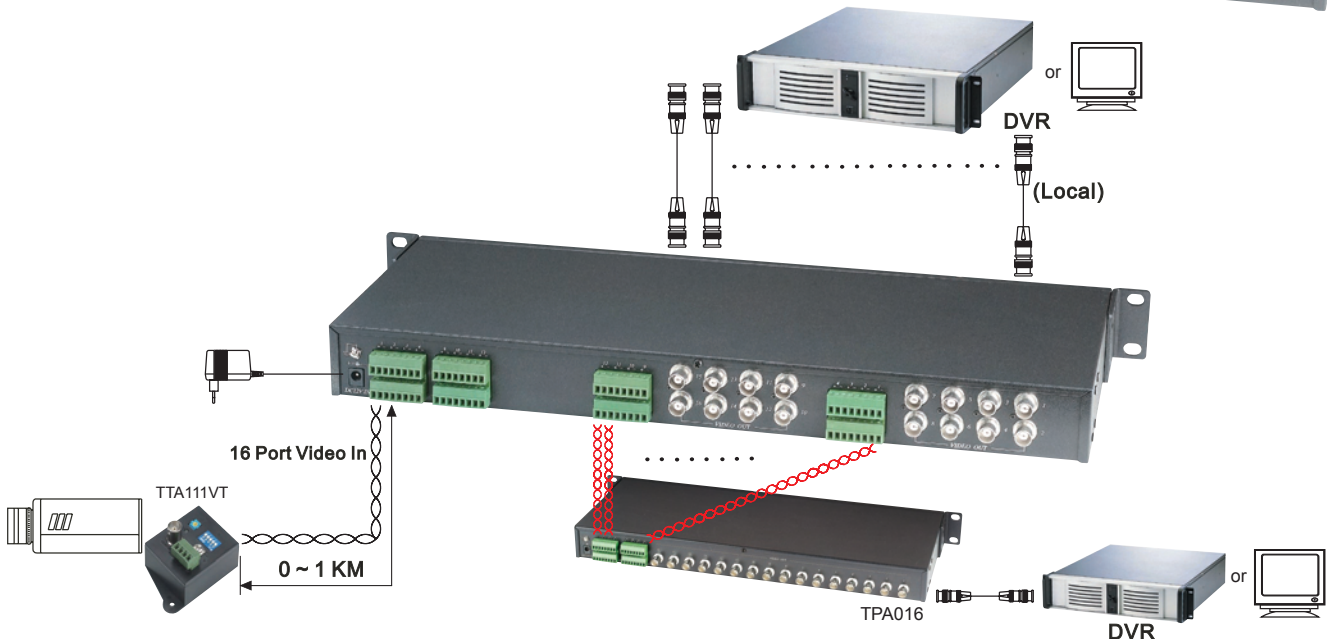
- Identical to TDA102.
- Dual output: 1 BNC output for local, plus 3 terminal output for remote side.



TDA1632

Twisted Pair 16 Input to 32 Output Video Distributor

- Video input: 16 x 2 pin terminal block.
- Built in twisted pair active receiver (TA111VR).
- Dual output : 16 BNC output for local, plus 16 terminal output for remote.



Twisted Pair Transmission

CAT5 VGA Transmission

IP Cabling Transmission

Audio Transmission

Data Transmission

Coaxial Cabling Transmission

Surge Protector

Solution Provider for Video Interference

Power Center

Accessories

Application Guide

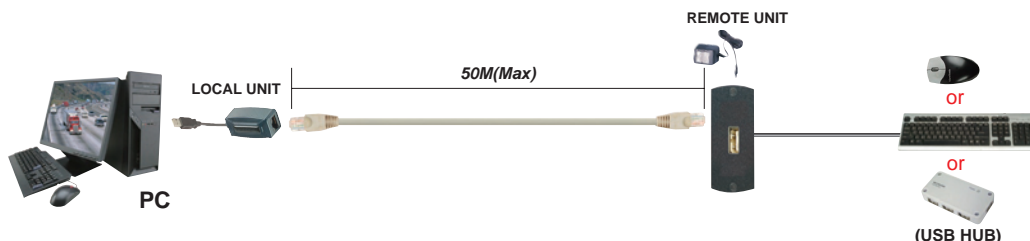
CAT5 VGA Transmission

UE01

USB 1.1 CAT5 Extender - Single port

New

- Extend one USB device up to 50 meters over CAT5/5E cable.
- USB 1.1 compliant.
- Passive type, no external power required.
- Including local and remote unit.
- **LED indication when there is no sufficient drawn current to send signals, using optional power adapter for external power supply.**
- Application for extend USB peripheral devices, such as keyboard, mouse, IP camera, printer, etc.



UE02

USB 2.0 CAT5 Extender - Single port

New

- Extend one USB device up to 100 meters over CAT5/5E cable.
- USB 2.0 compliant.
- Including local and remote unit.
- Application for extend USB 2.0 peripheral devices, such as keyboard, mouse, IP camera, printer, etc.

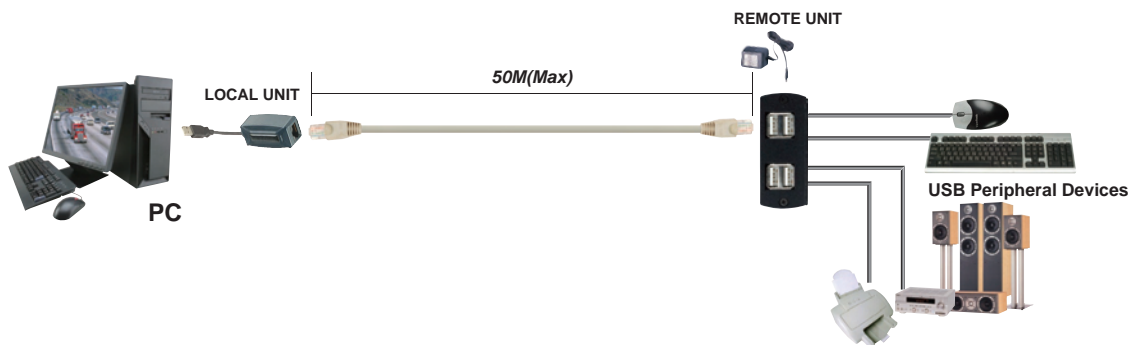
USB 2.0



UE04H

USB CAT5 Extender with 4 Port USB 1.1 Hub

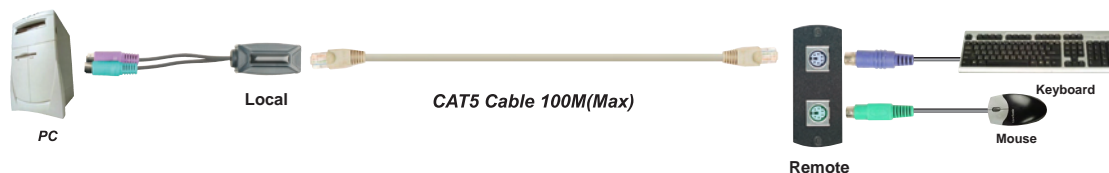
- Extend four USB devices up to 50 meters over CAT5/5E cable.
- USB 1.1 compliant.
- Including local and remote unit.
- Compact size, easy plug and play.
- Application for extend USB peripheral devices, such as security cameras, printer, scanner, keyboard, mouse, etc.



KM01

Keyboard Mouse CAT5 Extender - PS/2 Interface

- Extend PS/2 Keyboard and mouse via one CAT5 UTP cable.
- Including local and remote unit.
- Local unit: PS/2 with 6" lead to RJ45, Remote unit: PS/2 to RJ45.
- Passive, no power required.
- Transmission range up to 100 meters.



KM02

Keyboard Mouse CAT5 Extender – USB Interface at Local Unit

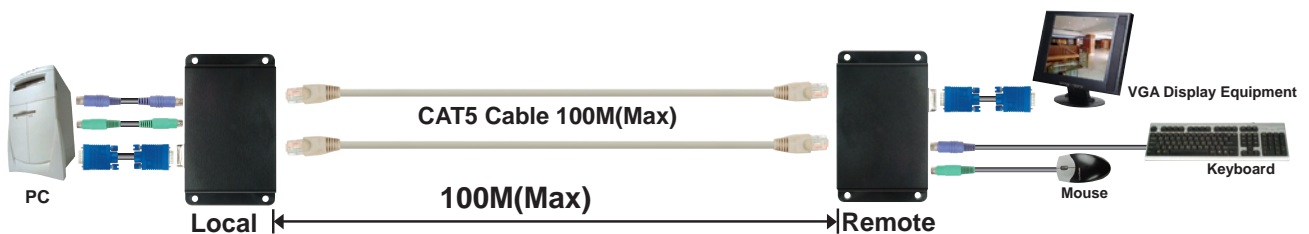
- Extend USB keyboard and mouse via one CAT5 UTP cable.
- Including local and remote unit.
- Local unit (PC side): USB to RJ45, Remote unit (keyboard mouse side): RJ45 to PS/2.
- Passive, no power required.
- Transmission range up to 100 meters.



VKM01

VGA Keyboard Mouse CAT5 Extender – PS/2 Interface

- Extend VGA and keyboard mouse over 2 CAT5 UTP cable to instead of VGA cable and keyboard mouse cable.
- Including local and remote unit.
- Passive, no power required.
- Transmission range up to 100 meters.



VKM02

VGA Keyboard Mouse CAT5 Extender – USB Interface at Local Unit

- Identical to VKM01, but the keyboard mouse is USB Interface at local unit.



TTP111VGA

CAT5 VGA Extender

- Passive device, no power required.
- Including 2 units as transmitter and receiver.
- Supports up to 1280x1024 pixels.
- Up to 135 meters via standard 4 pairs CAT5 UTP or STP cable instead of VGA cable.
- Transmitter built in virtual DDC to avoid improperly setting at resolution and frequency.
- Transmitter built in sync mode selection for signal stability.
- Receiver built in sync filter level adjustment for signal stability.
- Perfect for classrooms, lecture halls, tradeshow, video information displays...etc.

UTP Cabling



TTA111VGA

Active Long Range VGA Extender

- Active type, including transmitter and receiver.
- Built in contrast, brightness adjustment at receiver.
- Supports up to 1600x1200 @85Hz
- Use 4 pairs CAT5 UTP cable instead of VGA cable.
- Long range transmission up to 300 meters (Max.)

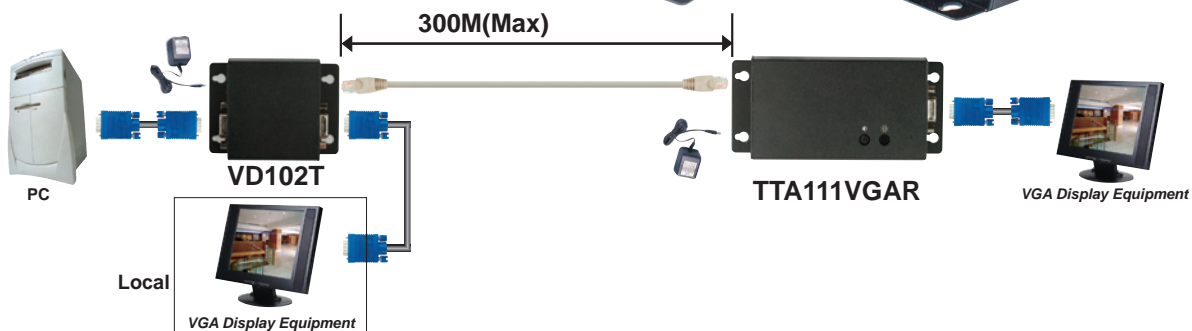


CAT5 VGA Transmission

VD102

CAT5 VGA 1 Input to 2 Output Distributor

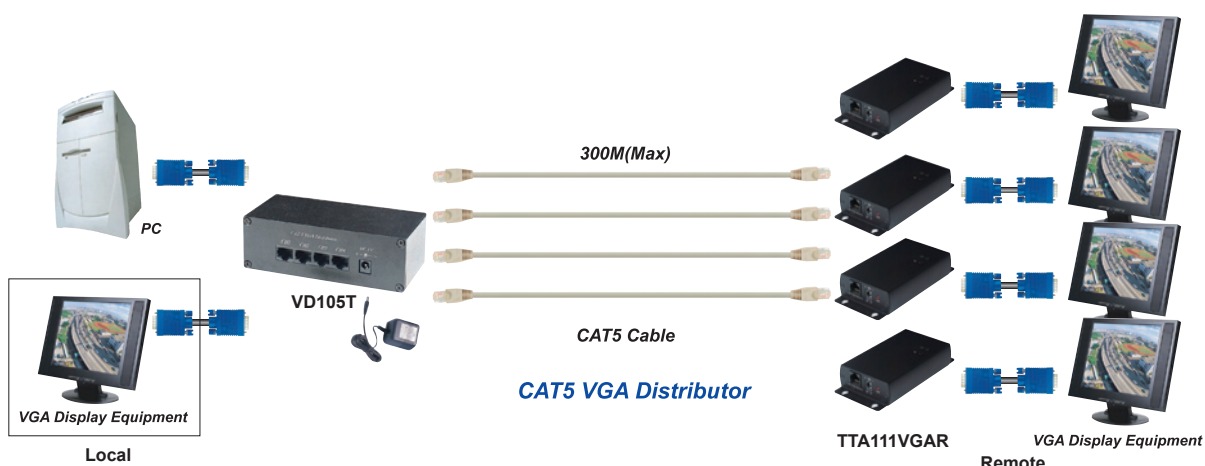
- Each set including one piece VD102T transmitter and one piece TTA111VGAR receiver.
- **Dual output: 1 VGA loop output for local, plus 1 CAT5 RJ45 output for remote side.**
- Use **CAT5 cable** instead of VGA cable.
- **Long range transmission up to 300 meters (Max.)**
- Built in contrast, brightness adjustment at Receiver.
- Supports up to 1600x1200 @85Hz.



VD105

CAT5 VGA 1 Input to 5 Output Distributor

- Each set including one piece VD105T transmitter and one piece TTA111VGAR receiver.
- **Dual output: 1 VGA loop output for local, plus 4 x CAT5 RJ45 output for remote side.**
- **Each VGA display equipment request one TTA111VGAR receiver at remote side. (Order separately).**
- Use **CAT5 cable** instead of VGA cable.
- **Long range transmission up to 300 meters (Max.).**
- Built in contrast, brightness adjustment at TTA111VGAR receiver.
- Supports up to 1600x1200 @85Hz.



TTA111VGAR

CAT5 Long Range VGA Receiver (VD105 Option model)

- **Work with VD105 as receiver for extra remote VGA display equipment.**
- Built in contrast, brightness adjustment
- Supports up to 1600x1200 @85Hz.
- Long range transmission up to 300 meters (Max.)



VD01

VGA & RS232 CAT5 Extender

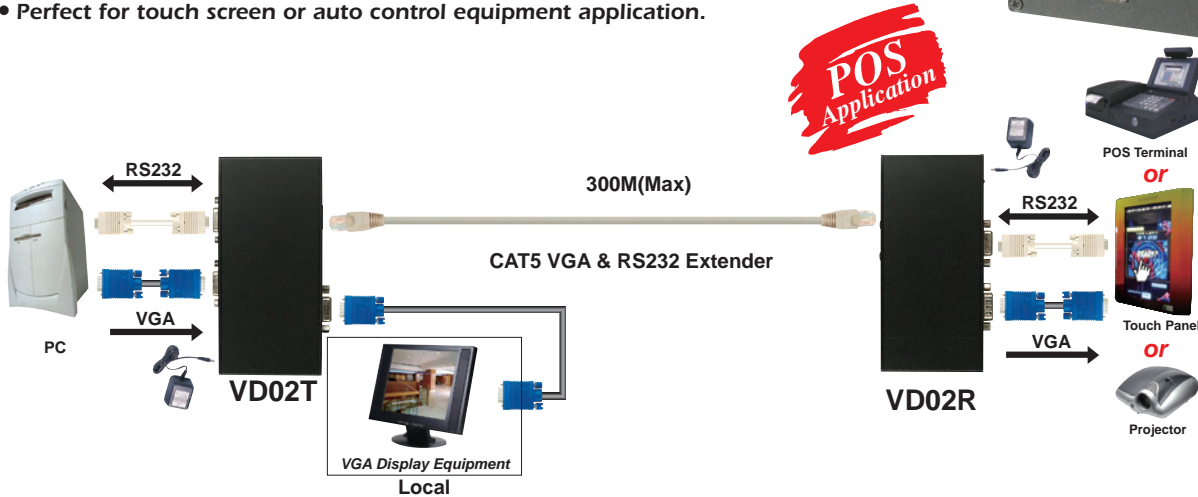
- Send VGA and RS232 data over 2 CAT5 cable instead of VGA cable and data cable.
- Each set including transmitter and receiver.
- Up to 135 meters via 4 pairs CAT5 STP cable instead of VGA cable.
- Supports up to 1280x1024 pixels.
- Application for sending video images to a projector and controlling it from your desk
- Perfect for touch screen and auto control equipment application.



VD02

VGA & RS232 Long Range CAT5 Extender

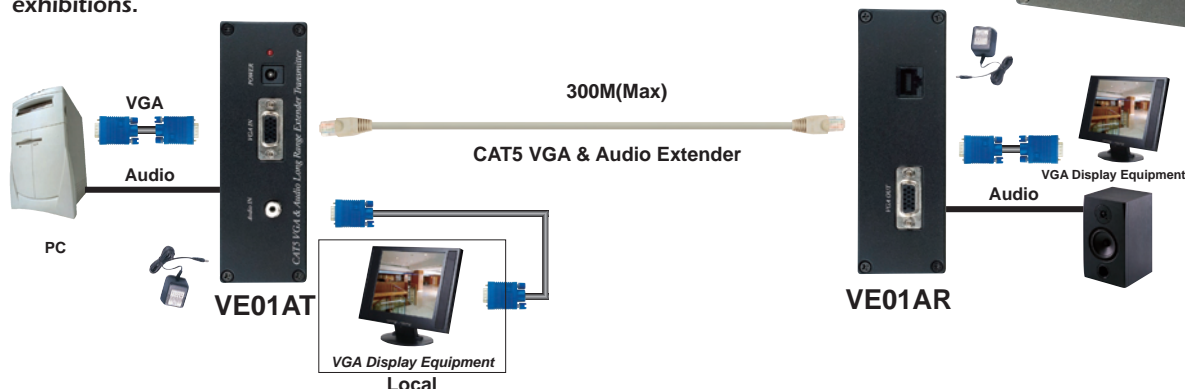
- Send VGA and RS232 data over one CAT5 UTP cable to instead of VGA cable and data cable.
- Dual output: 1 VGA loop output for local, plus 1 CAT5 RJ45 output for remote side.
- Each set including transmitter and receiver, power supply included.
- Supports up to 1600x1200 @85Hz
- Long range transmission up to 300 meters (Max.)
- Application for sending video images to a projector and controlling it from your desk.
- Perfect for touch screen or auto control equipment application.



VA01

VGA & Audio Long Range CAT5 Extender

- Send VGA and audio over one CAT5 UTP cable to instead of VGA cable and audio cable.
- Dual output at transmitter: 1 VGA loop output for local, plus 1 CAT5 RJ45 output for remote side.
- Supports up to 1600x1200 @85Hz
- Long range transmission up to 300 meters (Max.)
- Each set including transmitter and receiver, power supply included.
- Application for airports, train & bus stations, window display, trade shows, exhibitions.



Twisted Pair Transmission

CAT5 VGA Transmission

IP Cabling Transmission

Audio Transmission

Data Transmission

Coaxial Cabling Transmission

Surge Protector

Solution Provider for Video Interference

Power Center

Accessories

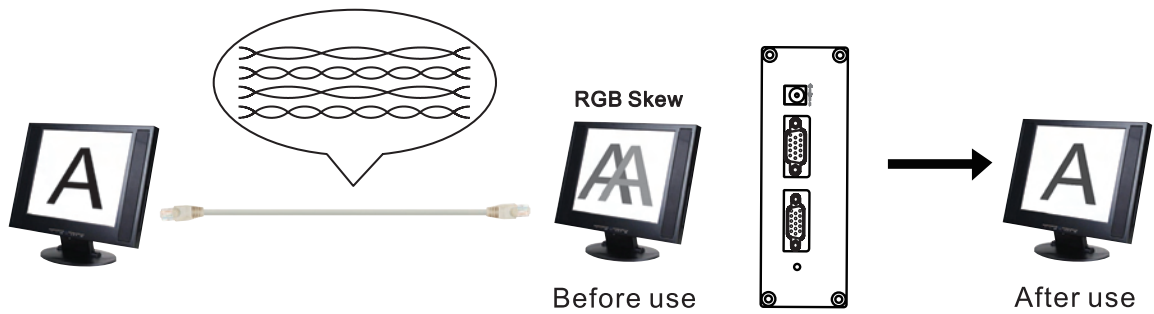
Application Guide

CAT5 VGA Transmission

VS01

VGA Skew Corrector

- Designed to correct images with colors (RGB) that have become skewed due to long CAT5/5e/6 Cable runs.
- Application for VGA or component video (YPbPr).
- Adjusts the position of each color individually.
- Smoothly moves each color to the right or left.
- Digitally save settings and remembers last state.
- Terminates input signals and buffers the output for best picture integrity.



VS01

AD001

Video to VGA Converter

- Special designed for CCTV color monitor.
- Support NTSC, PAL video system.
- On screen display function: brightness, contrast, color, tint.
- The DEINTERLACED output mode: NTSC: 640 x 480, PAL: 768 x 576.
- PAL, NTSC auto configure. (NTSC system for CRT/LCD monitor, PAL system for CRT monitor only).
- Compact size, plug and play installation.



AD001HN

Hi Resolution Video to VGA Converter

- Special designed for computer CRT monitor, LCD color monitor.
- Dual output: BNC x 1 for TV monitor and DB15 x 1 for VGA monitor.
- Hi resolution VGA display up to 1280*1024@60Hz.
- Frequency output: 60Hz to 85Hz.
- On screen display function: Hue, Brightness, Contrast, Saturation.
- Compact size and low working temperature.

New



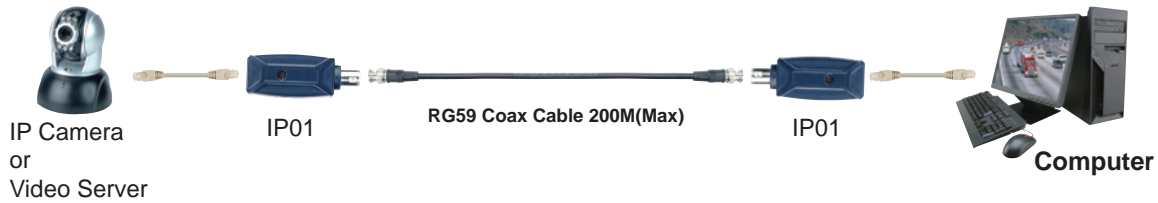
IP Cabling Transmission

IP01

IP Extender over Coax

- Send IP camera signal over existing coaxial cable.
- Passive, no power required.
- Exceeds 802.3 10BaseT NEXT specification, isolating the receiver from the transmitted signal.
- Transmission up to 200 meters (Max.)

New



IP02

Active IP Extender over Coax

- Extend IP camera signal over Coaxial cable.
- Active type, including transmitter and receiver.
- Long range transmission up to 1000 meters (Max.)

New

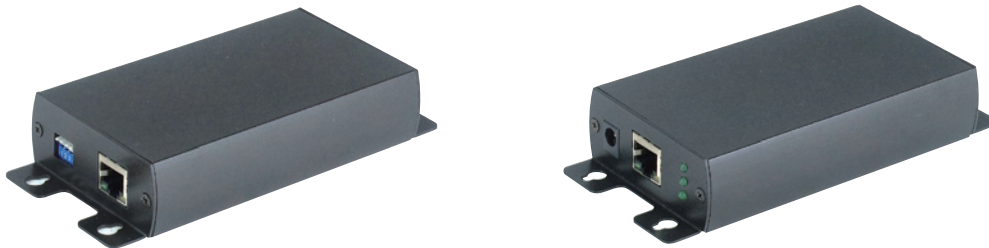


IP003

Active IP Extender over CAT5

- Identical to IP02, but over CAT5 cable instead of coaxial cable.

New



Twisted Pair Transmission

CAT5 VGA Transmission

IP Cabling Transmission

Audio Transmission

Data Transmission

Coaxial Cabling Transmission

Surge Protector

Solution Provider for Video Interference

Power Center

Accessories

Application Guide

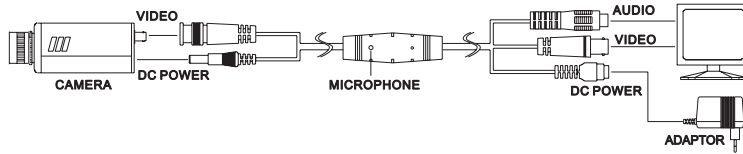
Audio Transmission

Audio pick up box

AA001

In Line Audio Pickup Box

- Audio pick up works individually without any other equipment.
- One add-on mini audio box for all camera which need audio function.
- High sensitive microphone (-65dB) and DC12V power regulator built-in box.



AA002

Audio pick up box

- Add-on mini audio box for all cameras that require an audio function.
- High sensitivity microphone (-65dB) with 45cm power/audio cable.
- Easy to install and ideal for all security surveillance needs.
- DC12V power operation.

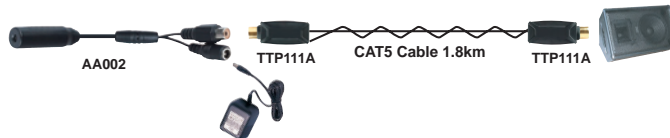


CAT5 Audio & Video Extender

TTP111A

Audio Transceiver

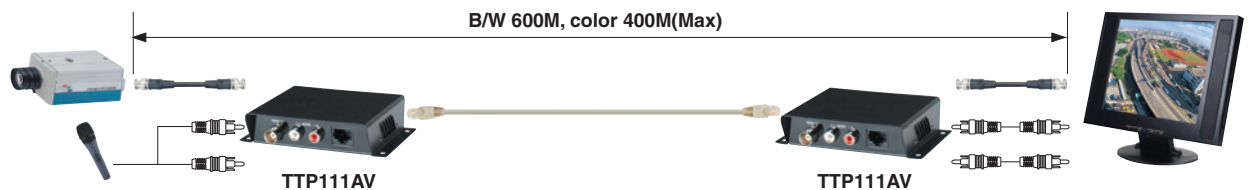
- RCA female to 2 pin screw terminal.
- Used in pairs via CAT5 UTP cable to send audio signal up to 1.8KM.
- 20Hz to 20KHz bandwidth.
- Available for 75-120ohm cable.
- Hi performance to eliminate audio ground loop problem.



TTP111AV

Audio & Video Transceiver

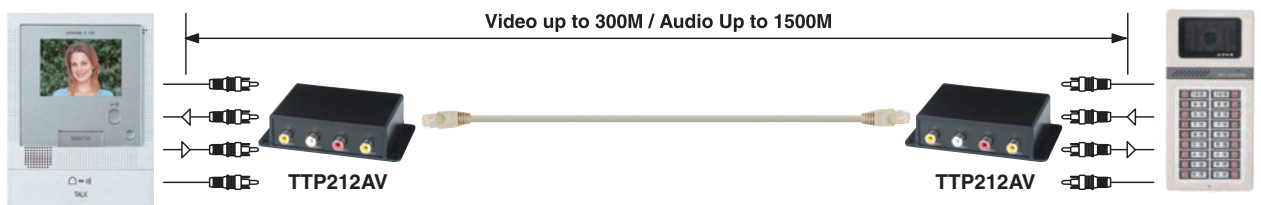
- BNC female +2 RCA female to RJ45 female.
- Video and stereo audio transmission over one CAT 5 cable.
- Two ways audio and one video over one CAT5 cable.



TTP212AV

Dual Audio & Video Transceiver

- 4 RCA female to RJ45.
- Dual video and audio transmission over one CAT 5 cable.
- Perfect for intercom application.

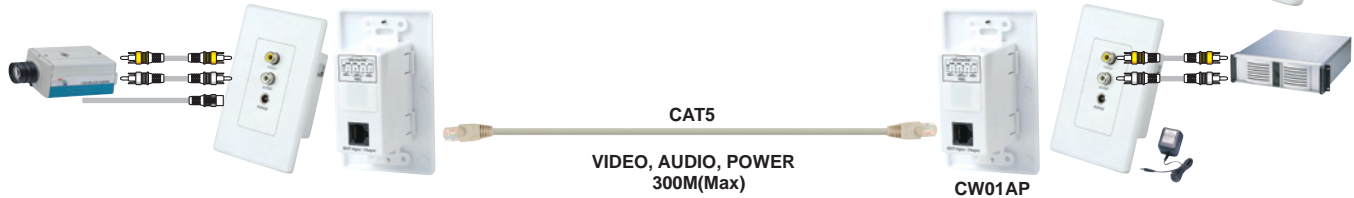


CW01AP

Wall Plate Video, Audio, Power CAT5 Extender

- Used in pairs via one CAT5 UTP cable to send video, audio and power up to 300 meters.
- **Wall mountable type for a neat and cleaner installation.**
- Wall plate outer dimension: 115 x 71 mm
- 2 x RCA female for video and audio, 1 x DC jack for power.
- Passive, no power required.
- Perfect for integrated home security and entertainment application.

New



CW02AP

Wall Plate Video, Audio, Power CAT5 Extender

- Identical to CW01AP, but wall plate outer dimension is 86 x 86 mm.

New

Could fit all European Wall mounting Box

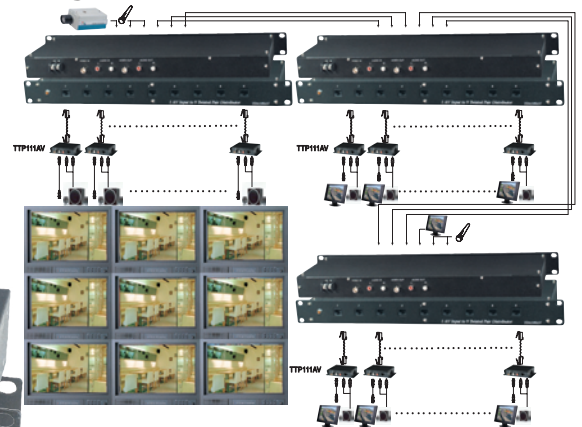


AV Distribution Amplifier

TDA109AV

Audio & Video Twisted Pair Distribution Booster in 1 1U Rack Mounting Panel

- 1 AV input to 9 AV twisted pair output +1 coax AV out
- Video and stereo audio input/output (3 x RCA) split to 9 RJ45 female.
- Transmission and distribution by twisted pair UTP CAT 5 cable to 9 destination devices, monitors, TV wall, multimedia...etc.
- **Work with TTP111AV, perfect for school education system, multimedia AV application.**



CD816AVP

Programmable 8 Input to 16 Output AV Distributor

- Professional version, configurable at 8 AV inputs/ 16 AV outputs by software, jumperless for easy setting.
- LED display and 4 buttons for setting, each operation.
- Each video input (8) could set up "1-16" AV outputs.
- Built in memory function, no need resetting after power disconnection.
- **Channel 16 including extra "switcher output" function.**
- **DWELL time adjustable at Switcher mode (1~30 seconds).**



Twisted Pair Transmission

CAT5 VGA Transmission

IP Cabling Transmission

Audio Transmission

Data Transmission

Coaxial Cabling Transmission

Surge Protector

Solution Provider for Video Interference

Power Center

Accessories

Application Guide

Data Transmission

Smart PTZ Transmission

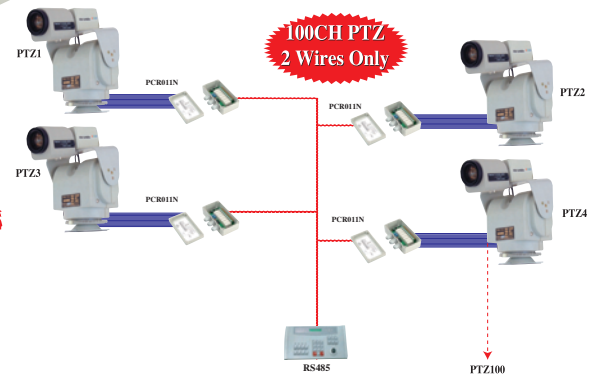
PCR011N PTZ Receiver

- Built in PELCO D protocol
- IP65 Weatherproof case
- PAN & TILT control
- Lens control: zoom, focus
- 1 Auxiliary Relay provide for any desired functions: alarm, wash/wipers, lighting
- Easy addressed code setting. (00-99)
- Allows the pan tilt power AC110V/220V/24V, zoom lens power DC12 or 6V (2A-Max.)
- Support heavy duty Pan tilt working power up to **16 Amp (current)**.
- Built in surge protection
- Support all pan, tilt, zoom lens



New
Heavy Duty Pan tilt Power

Built in Pelco D protocol



Data Converter

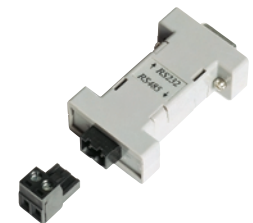
RS001 RS232 to RS485 Converter

- DB9 female connector for RS232 to 2 wires terminal block for RS485.
- Two wire, differential signals, half duplex.
- Non power operation.
- Auto switching baud rate, speed up to 115.2 Kbps over a distance 1200 meters.
- 32 units connected together in RS-485 multi drop operation.



RS001I RS232 to RS485 Converter-Isolation

- Identical to RS001, but built in 2.5KV isolation protection.



RS002 RS232 to RS485/RS422 Bi-Directional Converter

- RS232 input option: DB9 or RJ11.
- RS485/RS422 output option: terminal or RJ11.
- RS232 to RS485 or RS232 to RS422 conversion.
- Four full duplex wires; two half duplex wires.
- Switch setting for full duplex or half duplex operation.
- Auto baud rate sensing.
- Supports transfer speeds of up to 115.2Kbps.
- Extends up to 1200 meters (under 100Kbps).
- Support up to 32 units to be set in RS-485 multi drop installations.
- LEDS indications for power and signal status monitoring.
- Over current protection when 2 signals are shortened together at the RS422/485 end.
- Surge protection 16KV ESD.
- Built in termination resistors.



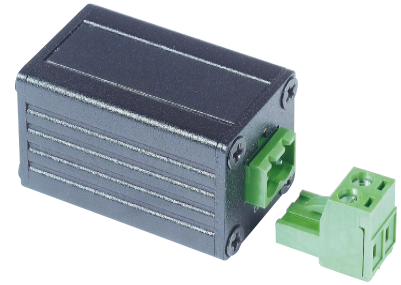
RS002I RS232 to RS485/RS422 Bi-Directional Converter-Isolation

- Identical to RS002, but without RJ11 output and built in 3KV isolation protection.



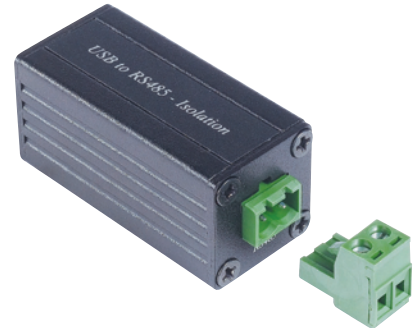
RS003 USB to RS485 Converter Isolation

- USB to RS485 interface converter.
- Two wire, differential signals, **half duplex**.
- **Non power operation.**
- Auto switching baud rate, speed up to 115.2 Kbps over a distance 1200 meters.
- 32 units connected together in RS-485 multi drop installations.
- **USB 2.0 compliant**
- Powered by PC
- Connect/disconnect without reboot
- Windows 98, ME, XP & 2000 Compatible
- MAC OS 8.6 to 9.2 Compatible
- Software drivers included



RS003I USB to RS485 Converter Isolation

- Identical to RS003, but built in 3KV isolation protection.



Data Repeater, Extender

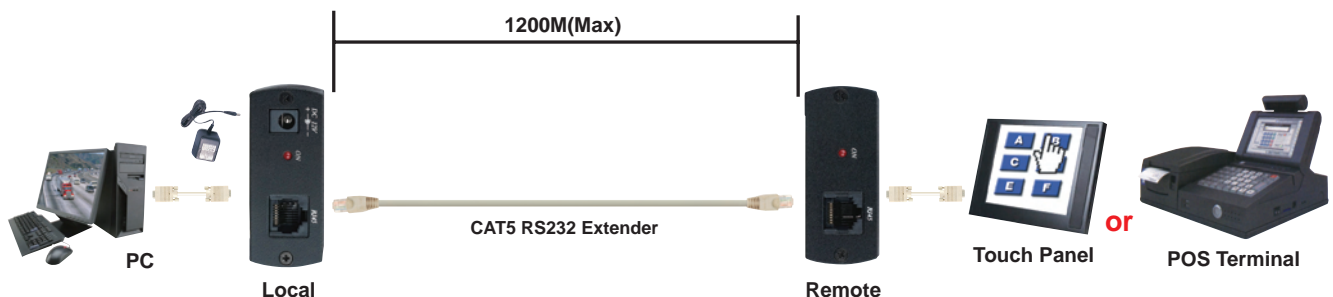
RS001R RS485 Data Repeater

- Repeater from RS485 data signal to RS485 up to 1200 meters.
- Plug in screw terminal block for easy wiring.
- Power input from DC jack.
- Auto detected baud rate maximum up to 115.2 Kbps.
- Red Led: Power/RX
- Built in 2.5KV isolation protection.
- Surge protection.



RS002E RS232 CAT5 Extender

- Extends any RS232 compliant devices up to 1200 meters at 57600 bps.
- One CAT5/5E cable.
- Easy plug and play installation.
- Speed up to 115,200 bps.
- Including local and remote unit, 1 x 5V external power supply.
- Single power supply used at local unit.



Data Transmission

RS485 Distributor

RS004 RS485 Distributor 1 Input 4 Output

- Input option: 1 x RS232, 2 x RS485 (3 input can be "stand by" status at the same time, but only one controller will be activated at once)
- Output: 4xRS485, each channel connection range up to 1200 meters by twisted pair cable.
- Built in surge protection at each channel.
- Each input/output is isolated.
- Ability to cascade connection to other units RS004/RS008/RS016.
- The application gives serial data back on 4 outputs at the same time, to provide perfect configurations.



RS008 RS485 Distributor 1 Input 8 Output In 1U Rack Mounting Panel

- Identical to RS004, but 1 input 8 output.

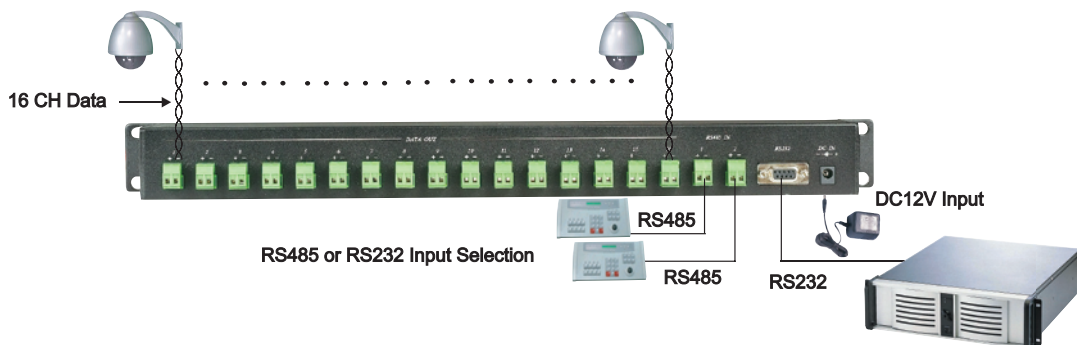
Perfect for Multi Data



RS016 RS485 Distributor 1 Input 16 Output In 1U Rack Mounting Panel

- Identical to RS004, but 1 input 16 output.

Perfect for Multi Data



Video Distribution Amplifier

CD102

1 Input to 2 Output Video Distributor

- 1 video input to 2 video output.
- Dual Power: DC12V / AC24V.



Twisted Pair
Transmission

CAT5 VGA
Transmission

CD102A

1 Input to 2 Output Video Distribution Amplifier

- 1 video input to 2 video output.
- 10dB video gain compensation amplification and HF compensation.
- Sharpness and brightness adjustment, perfect to work with DVR.
- Transmission range: 1000 meters (RG59 coaxial cable)



IP Cabling
Transmission

Audio Transmission

CD104

1 Input to 4 Output Video Distributor

- 1 video input to 4 video output.
- Dual Power: DC12V/ AC24V



Data Transmission

Coaxial Cabling
Transmission

CD108

1 Input to 8 Output Video Distributor

- 1 video input to 8 video output.



Surge Protector

Solution Provider for
Video Interference

CD408

4 Input to 8 Output Video Distributor

- 4 video input to 8 video output.



Power Center

CD408A

4 Input to 8 Output Video Distribution Amplifier

- 4 video input to 8 video output.
- 10dB video gain compensation amplification and HF compensation.
- Sharpness and brightness adjustment, perfect to work with DVR.
- Transmission range: 1000 meters (RG59 coaxial cable)



Accessories

Application Guide

Coaxial Cabling System

CD116

1 Input to 16 Output Video Distributor In 1U Rack Mounting Panel

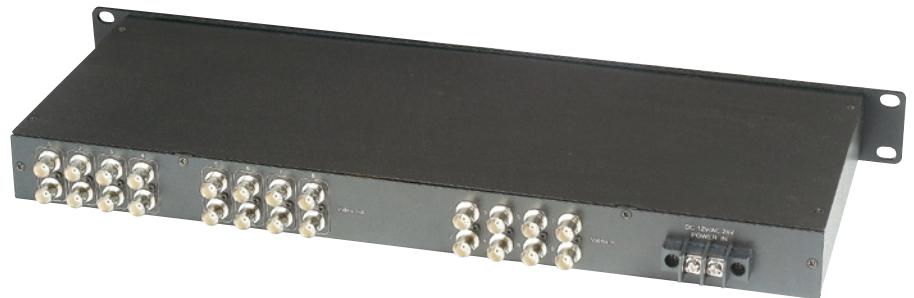
- 1 video input to 16 video output.



CD816

8 Input to 16 Output Video Distributor In 1U Rack Mounting Panel

- 8 video input to 16 video output.
- Dual Power: DC12V / AC24V.



CD816P

Programmable 8 Input to 16 Output Video Distributor

- Professional version, configurable at 8 video inputs/16 video outputs by software, jumperless for easy setting.
- LED display and 4 buttons for setting, each operation.
- Each video input (8) could set up "1-16" video outputs.
- Built in memory function, no need resetting after power disconnection.
- Channel 16 including extra "switcher output" function.
- DWELL time adjustable at Switcher mode (1~30 seconds).



CD816A

8 Input to 16 Output Video Distribution Amplifier In 1U Rack Mounting Panel

- 8 video input to 16 video output.
- Dual Power: DC12V / AC24V.
- 10dB video gain compensation amplification and HF compensation.
- Sharpness and brightness adjustment, perfect to work with DVR.
- Transmission range: 1000 meters (RG59 coaxial cable)



CD1632A

16 Input 32 Output Video Distribution Amplifier

- 16 video input to 32 video output.
- 10dB video gain compensation amplification and HF compensation.
- Sharpness and brightness adjustment, perfect to work with DVR.
- Transmission range: 1000 meters (RG59 coaxial cable)
- Red Led: Power ON/OFF



Twisted Pair
Transmission

CAT5 VGA
Transmission

CD1664

16 Input to 64 Output Video Distributor In 2U Rack Mounting Panel

- 16 video input to 64 video output.
- Red Led: Power ON/OFF



IP Cabling
Transmission

Audio Transmission

Data Transmission

Video Amplifier

CA101

1 Input to 1 Output Video Amplifier

- 1 video input to 1 video output.
- 10dB video gain compensation amplification and HF compensation.
- Sharpness and brightness adjustment, perfect to work with DVR.
- Transmission range: 1000 meters (RG59 coaxial cable)



Coaxial Cabling
Transmission

CA101A

1 Input to 1 Output Video & Audio Amplifier

- Video & Audio amplifier.
- Others identical to CA101



Surge Protector

Solution Provider for
Video Interference

CA404

4 Input to 4 Output Video Amplifier

- 4 video input to 4 video output.
- 10dB video gain compensation amplification and HF compensation.
- Sharpness and brightness adjustment, perfect to work with DVR.
- Transmission range: 1000 meters (RG59 coaxial cable)



Power Center

CA101VH

1 Input to 1 Output Video Amplifier, HF/MF/LF Compensation

- HF/MF/LF compensation for color gain and adjustable brightness & contrast for cleaner, sharper looking picture.
- Built in Input impedance, balance, liner gain adjustment.
- **Built in surge protection.**
- **Perfect to maintain good quality picture for long-range transmission with DVR.**
- Transmission range: 1500 meters (RG59 coaxial cable)
- Use with CA101, transmission range could up to 2KM.



Accessories

Application Guide

Surge Protection Device

- Performs a different function than grounding requirements.
- Protects equipment from high voltage surges from nearby lightning strikes.
- Two stage protection: under 1ns – 90V, over 10ns-12V.
- Wide range of applications: CCTV system, IP camera, PoE, FM receivers, video camera, monitors, multiplexers & quad processor, DVR, etc.

SP001

Coaxial Video Surge Protector BNC Connector

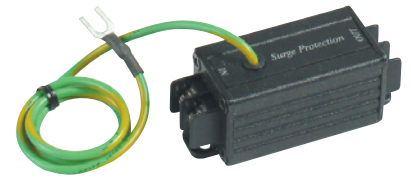
- BNC male to BNC female, Hi frequency for both CCTV and CATV use.



SP001P-AC

AC Power Surge Protector Terminal Connector

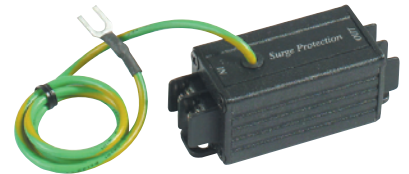
- Terminal connector to terminal connector.
- Under 1ns - 400V
- Application for protect AC100-120V, AC220-240V power.
- Max current up to 2Amp



SP001P

Power Surge Protector

- 2 pin terminal for power input to 2 pin terminal for power output.
- Max power input AC40V(MAX), DC56V(MAX).
- Application for protect camera power.
- Max current up to 2Amp.



SP001VP

Video & Power Surge Protector

- Two stage protection: 130V, AC/DC12V
- 3 pin terminal + BNC male to 2 pin terminal + BNC female
- Max power input AC40V(MAX), DC56V(MAX)
- Max current up to 2Amp



SP001VPD

Video, Power, Data Surge Protector

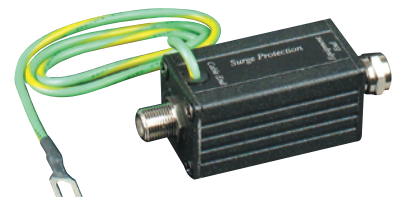
- Identical to SP001VP, but with Data protection.
- 5 pin terminal + BNC male to 4 pin terminal + BNC female
- Max power input AC40V(MAX), DC56V(MAX)
- Max current up to 2Amp
- Perfect for PTZ camera protection.



SP002

Coaxial Surge Protector F Connector

- F male to F female, Hi frequency for CCTV use.



SP002VP

Video & Power Surge Protector

- Identical to SP001VP, but F connector instead of BNC.



SP002VPD

Video, Power, Data Surge Protector

- Identical to SP001VPD, but F connector instead of BNC.

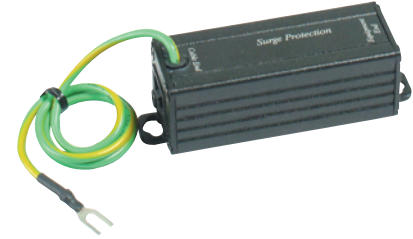


Twisted Pair Transmission

SP003

UTP Video Surge Protector RJ45 Connector

- RJ45 Jack to RJ45 Jack
- Two pairs protection (Pair 2 & Pair 4)
- Protects UTP twisted pair transmission products.



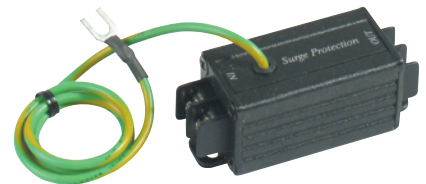
CAT5 VGA Transmission

IP Cabling Transmission

SP004

UTP Surge Protector Terminal Connector

- Terminal connector to terminal connector.
- Perfect for video or data signal protection.



Audio Transmission

Data Transmission

SP004VPD

UTP Video, Power, Data Surge Protector

- Terminal connector to terminal connector.
- Application for UTP cabling video, power, data protection.
- Could be two data, one power for access control application.

New



Coaxial Cabling Transmission

SP005

Video and Data Surge Protector

- BNC female + terminal to BNC female + terminal
- Perfect for speed dome camera & control signal.



Surge Protector

Solution Provider for Video Interference

SP006

Network Surge Protector

- RJ45 jack to RJ45 jack
- Four pairs protection
- Perfect for network, PC modem, server...etc
- Protects UTP twisted pair products (TTA111AV multifunction transceiver) or any computer equipment with utilizing networking cable.

Perfect for IP Camera Protection



Power Center

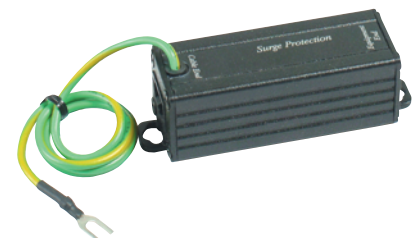
Accessories

SP006P

PoE Surge Protector

- RJ45 Jack to RJ45 Jack
- Power and signal line protection.
- 100/100 Base-T CAT5/CAT5e compatible.
- 802.3af POE (Power over Ethernet) compatible.
- Application for POE (Power over Ethernet) protection.

New



Application Guide

Surge Protection Device

SP016C

16 Channel Video Surge Protection for DVR in 1U Rack Mounting Panel

- For coaxial cable use, 16 BNC female to BNC female.
- Provide protection for DVR, multiplexers or any equipment with multiple video inputs.

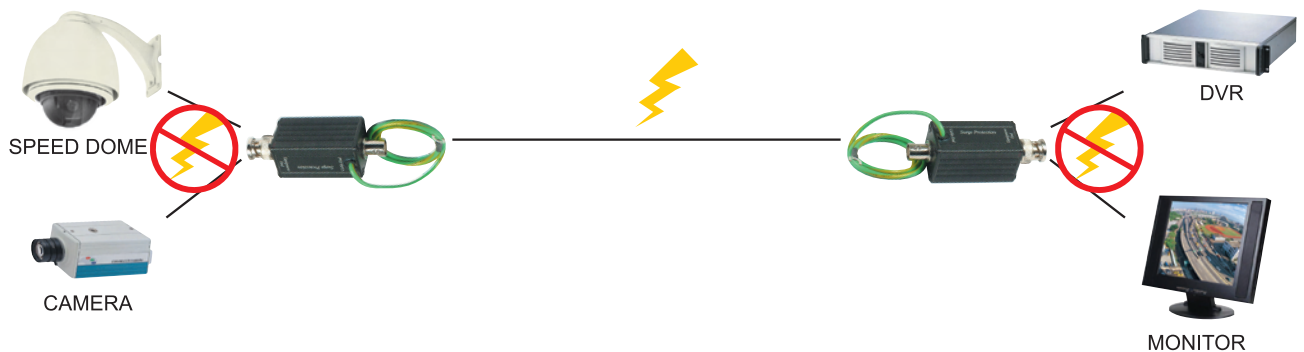
Perfect for
DVR Protection



SP016T

16 Channel UTP Surge Protection for DVR in 1U Rack Mounting Panel

- For twisted pair cable use, 16 terminal connector to 16 terminal connector.
- Ideal for 16 channel video or data protection.



Specification

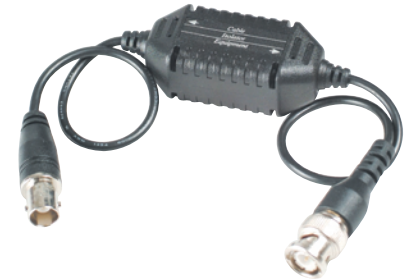
ITEM NO.	SP001	SP002	SP003	SP004	SP005	SP006 SP006P	SP001P-AC	SP001P	SP001VP SP002VP	SP001VPD SP002VPD SP004VPD	SP016C	SP016T		
Surge Protection Attack Time	1 ns													
Maximum Surge Voltage	4 KV													
Surge Life	300 surges of 100Amps													
Normal Resistance Across Coax	10,000 MΩ													
Surge Resistance	Approx. 0Ω													
Band Pass	0~1 GHZ													
Power Passing Capability	130V AC/DC, 65 Vrms at 10 Amps						110V AC, 220V AC		130V DC/AC, 65 Vrms at 10 Amps					
Insertion Loss	Less than 0.2 dB													
Return Loss (75 ohms)	16dB													
Power Input								MAX. 240V AC		AC 40V (MAX), DC 56V (MAX)				
Connectors	BNC	F	RJ45	Terminal	Terminal & BNC	RJ45	Terminal	Terminal	Terminal & BNC/F/ Terminal		BNC	Terminal		
Dimensions	mm	78x25x25	78x25x25	85x25x25	65x25x25	87x67x27	87x67x27	65x25x25	65x25x25	87x67x27	87x67x27	482x170x44mm standard 1U Rack Panel		
Weight	g	80	80	90	65	136	134	65	65	136	136	1200	1200	

Video Ground Loop Isolator

Video ground loop isolator could reduce “ground loop interference” with CCTV signals and can easily install in a new or added to existing systems. It is useful where a video signal is transmitted via cable between points with different ground potentials, differences in ground potentials are typically caused by unbalanced power line loads.

GL001 Coaxial Video Ground Loop Isolator

- BNC male to BNC female with mini cable 15cm on both sides.
- Passive, no power required.
- Prevents video-signal distortion caused by video ground loops.
- Eliminates picture tearing, cross talk and rolling.
- Prevents power cables laid by others interfering with the CCTV system.
- Built in TVS (Transient Voltage Suppressors) for surge protection.



GB001 Coaxial Video Ground Loop Isolator Built in Video BALUN

- Identical to GL001 ground loop isolator function.
- Built in Video BALUN, perfect to work with DVR to immunity DVR interference, for extra interference rejection.



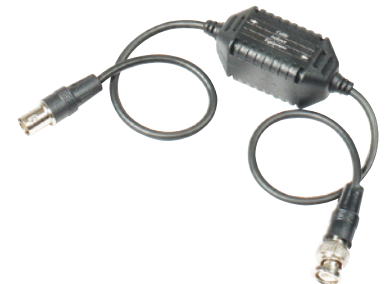
TGP001 Twisted Pair Ground Loop Isolator Built in Video BALUN

- BNC male to 2 pin terminal block.
- Identical to GL001, but for twisted pair cable use.
- Transmit a full motion monochrome video signal up to 600 meters, color video signal up to 300 meters.
- Eliminate coaxial cable.



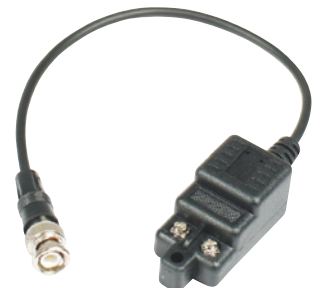
GL001H Hi Performance Video Ground Loop Isolator

- BNC male to BNC female with mini cable 15cm on both sides.
- Passive type, no power need.
- Hi performance to eliminate ground loop problem.
- Low video loss , bandwidth: 20hz -6Mhz. +0/-3dB.



TGP001H Twisted Pair Hi Performance Video Ground Loop Isolator

- Identical to GL001H, but for twisted pair cable use.



Before use



After use

Twisted Pair Transmission

CAT5 VGA Transmission

IP Cabling Transmission

Audio Transmission

Data Transmission

Coaxial Cabling Transmission

Surge Protector

Solution Provider for Video Interference

Power Center

Accessories

Application Guide

Solution Provider for different Video Interference

Solution Provider for different Video Interference

Video Transformer Filter

Video SYNC signal not balanced would cause picture "up-rolling" that happened on weak, strong differential signal into DVR or under long range cabling cause "impedance not matching". For coaxial cabling, add CB001VH (coaxial BALUN) for extra interference rejection, twisted pair cabling, add TVB001.

CB001VH

Coaxial BALUN For DVR

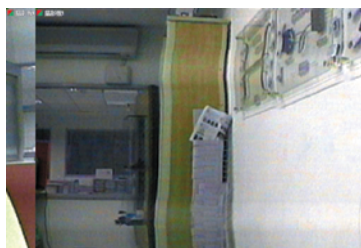
- BNC male to BNC female with mini cable 30cm.
- Perfect work with DVR to immunity DVR interference.
- Built in a highly balanced mode of video transmission, which is immune to interference from these, and other sources of noise: data signals, other video signals, nearby power, ringing telephones, fluorescent lights, transformers, and more...



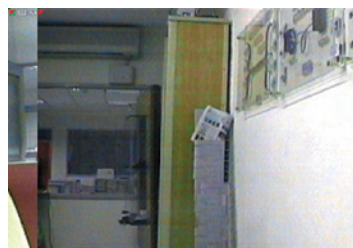
TVB001

Twisted Pair VIDEO BALUN

- Eliminate interference under long range cabling caused by "Impedance Matching", add TVB001 BALUN at "connecting point" between two-wire connections for compensation.
- Including 4 pieces UY connectors for connection.



Before use



After use

Hi Frequency Interference Blocker

Block the interference from electromagnetic wave, high voltage electricity, wireless station, elevators, heavy power on industry,...etc

CHB001H (CHB001HT + CHB001HR)

- Perfect to eliminate hi frequency interference.
- Video & audio over one coaxial cable.
- Working distance: 400 meters (RG59), 600 meters (RG6)
- S/N Ratio on video signal: 42dB, S/N ratio on audio signal: 40dB
- Including transmitter and receiver, two power adapter.



CHB001HT



Before use



After use



Before use



After use



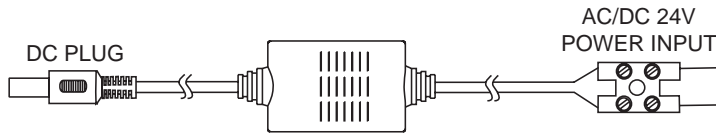
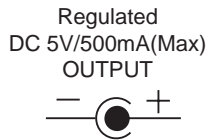
CHB001HR

Power Converter & Distributor Box

PC500

AC to DC 12V Power Converter 500mA Max (Regulated)

- AC to DC12V power converter with DC plug cable 500mA Max.
- AC14-AC24 to DC12V, DC15-DC30 to DC12V (Regulated).
- For DC type camera or video power sources convert using AC24V for professional CCTV Industry Installation.



PC500S

AC to DC 12V Power Converter 500mA Max Built in Transient Protection

- Identical to PC500, but built in transient protection.



PC500-5V

Power Converter DC12V to DC5V

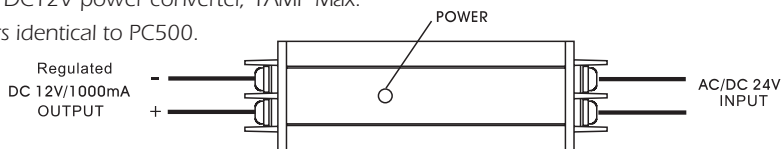
- AC24V/ DC12V to DC5V power converter with DC plug cable 500mA Max.
- Input power: AC20 – AC28V; DC12-30V.
- Output Power: DC5V regulated.
- Application for sending computer accessories 5V power from power sources AC24V or DC12V.



PC1A

AC to DC 12V Power Converter 1AMP Max (Regulated)

- AC to DC12V power converter, 1AMP Max.
- Others identical to PC500.



PD009

1 Input to 9 Output Power Distributor Box

- Individually protected PTC*-type output fuse rated 1.1Amps @250VAC.AC to DC12V
- Individual status LED indicators.
- Surge protected outputs.
- Supports up to 1-30VAC/VDC



SWP124200

DC12V 4.2Amp Switching Power Supply

- 90V-240 VAC Input. 12VDC 4.2Amp regulated output.



Twisted Pair
Transmission

CAT5 VGA
Transmission

IP Cabling
Transmission

Audio Transmission

Data Transmission

Coaxial Cabling
Transmission

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Solution Provider for
Video Interference

Power Center

Accessories

Application Guide

Power Center

19" Rack Mounting Panel

PR801

8Amp AC24V 1 Port Power Supply in 1U Rack Mounting Panel

- 1 port power supply. AC120/230V to AC24V / 8A (Max) output.
- Built in "no fuse breaker" to avoid current overload.
- Toroidal transformer for high efficiency and low operating temperature.



PR801-12D

8Amp DC12V NON-Regulated 1Port Power Supply in 1U Rack Mounting Panel

- One port power supply. AC120V/230V to DC12V (non-regulated) / 8A (Max) output.
- Built in "no fuse breaker" to avoid current overload.
- Non-load output 17V

PR801-12R

8Amp DC12V Regulated 1 Port Power Supply in 1U Rack Mounting Panel

- Identical to PR801-12D, but switching regulated power supply.

PR816

8Amp AC24V 16 Port Power Supply in 1U Rack Mounting Panel

- 16 port power supply, AC120V/230V to AC24V /1.1Amp (Max) output.
- Each port output current 1.1Amp (Max).
- Built in "no fuse breaker" to avoid current overload.
- Built in PTC (positive temperature coefficient) fuse for short protection and auto rework on each port.
- Toroidal transformer for high efficiency and low operating temperature.

PR816-12D

8Amp DC12V NON-Regulated 16 Port Power Supply in 1U Rack Mounting Panel

- 16 port power supply, AC120V/230V to DC12V(non-regulated) /1.1Amp (Max) output.
- Each port output current 1.1Amp (Max).
- Built in "no fuse breaker" to avoid current overload.
- Built in PTC (positive temperature coefficient) for short protection and auto rework on each port.
- Non-load output 17V.

PR816-12R

8Amp DC12V Regulated 16 Port Power Supply in 1U Rack Mounting Panel

- Identical to PR816-12D, but switching regulated power supply.



Wall Mounting

PW408

4Amp 8 port Power Supply

- DC12V or DC24V selectable
- Red LED for main power.
- Individual green LED for power indication.
- Individual PTC 1.1Amp, (2.5A/4sec.) fuse on each output protection.
- Toroidal transformer for high efficiency and low operating temperature.
- Built in surge protection
- Wall mounting metal box
- Overall Dimension: 330 x 210 x 89.5 mm



PW408R

4Amp DC12V Regulated 8 Port Power Supply

- Identical to PW408, but switching regulated power supply.

PW408-AC24

4 Amp AC24V 8 Port Power Supply

- Identical to PW408, but AC24V type.

PW408U

4Amp DC12V Regulated Power Supply Built in 3AMP Back up Battery

- Built in 12V 3.3AMP rechargeable sealed lead acid battery for power back.
- Wall mounting metal box
- Automatic switch over to stand-by battery when AC fails.
- LED color Indication on battery: Green: battery full, Yellow: battery recharging, Red: loss of AC, stand-by battery supplying power, Flash Red: low battery.
- Perfect application for Access control system.



PW816

8Amp 16 Port Power Supply

- Identical to PW408, but 8Amp with 16 port output.

PW816R

8Amp DC12V Regulated Power Supply

- Identical to PW816, but switching regulated power supply.

PW816-AC24

8 Amp AC24V 16 Port Power Supply

- Identical to PW816, but AC24V type.

Twisted Pair
Transmission

CAT5 VGA
Transmission

IP Cabling
Transmission

Audio Transmission

Data Transmission

Coaxial Cabling
Transmission

Surge Protector

Solution Provider for
Video Interference

Power Center

Accessories

Application Guide

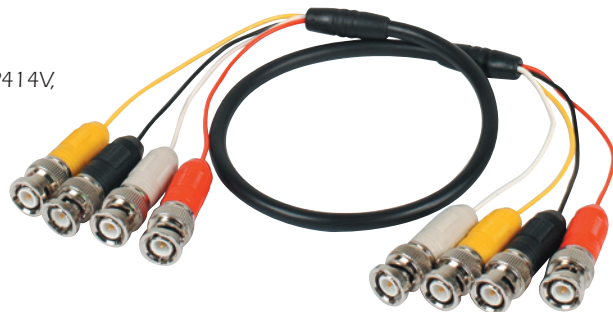
Accessories

Wire

WC414

4 BNC Male to 4 BNC Male Cable 100cm

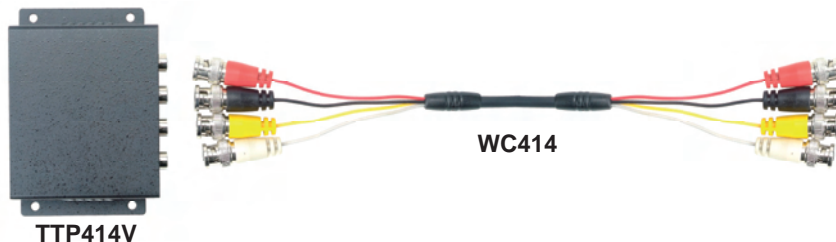
- Ready made coax for quick installation, good for receiver side TTP414V, TPP016, TPA008, TPA016...etc.



WC414-200

4 BNC Male to 4 BNC Male Cable 200cm

- Identical to WC414, but 200 cm cable length.

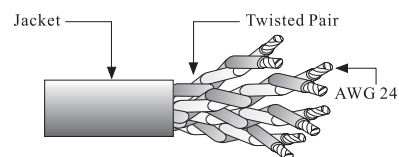


Application for: TTP414V, TPP016, TPA008, TPA016

WT104

CAT5e UTP 4 Pairs Twisted Pair Cable

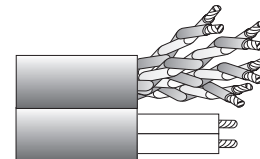
- CAT5e unshielded twisted pair 4 pairs cable. AWG24 solid anneals copper wire.
- 305 meters in one reel.



WT104P

CAT5e UTP 4 Pairs Twisted Pair Cable With Power Cord

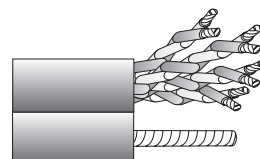
- CAT5e unshielded twisted pair 4 pairs cable. AWG24 solid anneals copper wire.
- Power Cord: 0.75mm diameter
- 100 meters in one reel



WT104PE

Outdoor Use CAT5e UTP 4 Pairs Twisted Pair Cable

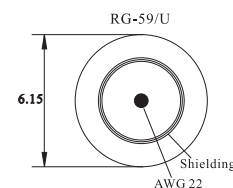
- PE Jacket, messenger material: galvanized steel wire
- 500 meters in one reel.
- Steel wire (1.2mm).



WC001

RG59/U Coaxial Cable

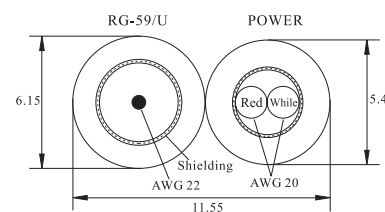
- RG59/U coaxial cable: AWG 22 solid anneal cooper wire. 75 ohms.
- 200 meters in one reel



WC001P

RG59/U Coaxial Cable With Power Cord

- RG59/U Coaxial cable: AWG 22 solid anneal cooper wire. 75 ohms.
- Power cord: 0.75mm diameter
- 100 meters in one reel.



Tool

AT001

Twisted Pair Tool Kit

- Standard package include: ratchet modular connector crimping tool crimping tool , for 6P2C, 8P8C modular connectors stripper & punch down tool ,universal coaxial crimping tool, RJ45 modular plug (8P8C round solid) x 50pcs, RJ45 protection cap x 20pcs
- Application: everything installers need for identifying, cutting, stripping and terminating twisted pair cable.



Twisted Pair
Transmission

CAT5 VGA
Transmission

IP Cabling
Transmission

AT002

Remote Cable Tester

- Connector: RJ45, USB, BNC (CAT 5/CATV/Cablemodem)
- LEDES Indications: Short LED (Red)
Connected/25ohms terminator (Green)
No-Parallel /50ohms terminator (Yellow)
No connection / No termination (Yellow)
Battery good / Battery low (Green/Yellow)
S, C/1,2,3,4,5,6,7,8, LEDES (Yellow)



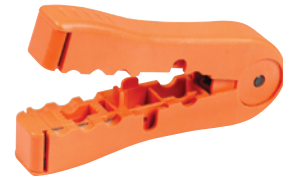
Audio Transmission

Data Transmission

AT003

Wire Stripper

- For wire (UTP/STP) or wired & multi conductor cable from 3.2mm-9mm max.



Coaxial Cabling
Transmission

AT005

Modular Crimping Tool

- For 4,6,8 poles modular connector (RJ45, RJ22) ratchet type.
- This tool is for all necessary tools to cut, strip and crimp modular telephone wires.



Surge Protector

Solution Provider for
Video Interference

AT006

Multi-Function Wire Stripper

- The lightweight, compact stripper is simple to operate, provided multifunction and safety.
- Application for stripping coaxial cable and UTP/STP cable.



Power Center

AT007

Splice & crimp tool for AP007 UY connectors

- Designed to seat UG,UR and UY connectors.
- A special stop behind cutout prevents damage to connectors.



Accessories

Application Guide

Accessories

AT008

Coax Crimping Tool

- Application for crimping RG59, RG6 cable.



Parts

AP001

Modular RJ45 Plug (3 Prongs)

- 8 position 8 contact round solid
- 100 pieces in one bag.



AP002

RJ45 Protection Cap

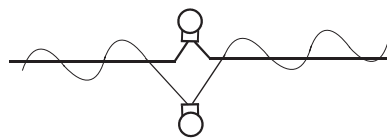
- Provide 5 color for easy identification.
- Red, green, yellow blue, grey 20pcs of each color in one bag (total 100pcs)



AP007

3M Brand UY connector

- Handle 22 to 26AWG solid copper wire (100piece/box)
- Self-stripping, insulated and moisture - resistant butt connector for 2 wire solid copper conductor combinations for 22-26 AWG (0.65-0.4mm) having maximum Insulation O.D. of 060 inches (1.52mm).



UTP cable connection



Connectors (Pack:100pcs/per bag)

APB012

BNC Male Solderless



APBC12

BNC Male Quick Crimp



APBC13

BNC Male Crimp 3 Piece Type



APBT11

BNC Male Twist On



APB310

BNC Male to T Adapter
BNC Female



APBR01

BNC Female to RCA Male



APBR10

BNC Male to RCA Female



APBR11

BNC Male To RCA Male



APFT11

F Male Twist on



APFC12

F Male Crimp Two Piece Type



APBF10

BNC Plug to F Jack



APBB00

BNC Female to BNC Female



APRF10

RCA Male to F Female



APRR00

RCA Female to Female



APRR11

RCA Male to Male



APDD11

DC Plug to DC Plug



Twisted Pair Transmission

CAT5 VGA Transmission

IP Cabling Transmission

Audio Transmission

Data Transmission

Coaxial Cabling Transmission

Surge Protector

Solution Provider for Video Interference

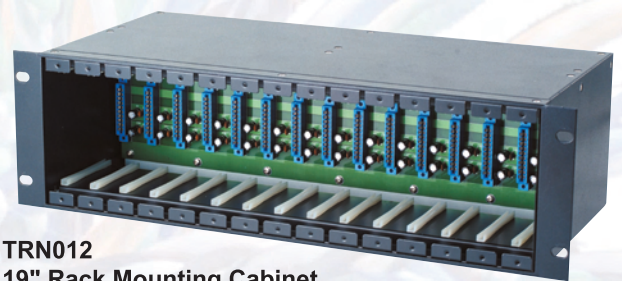
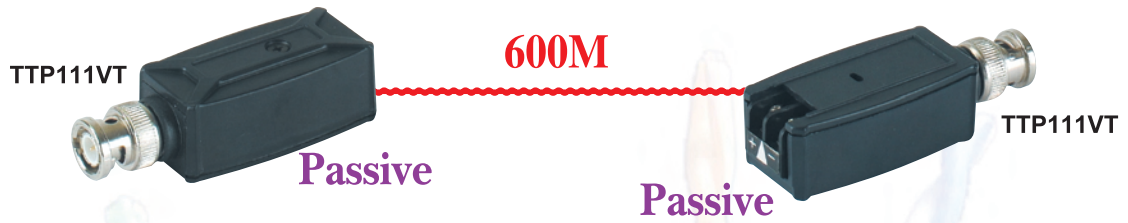
Power Center

Accessories

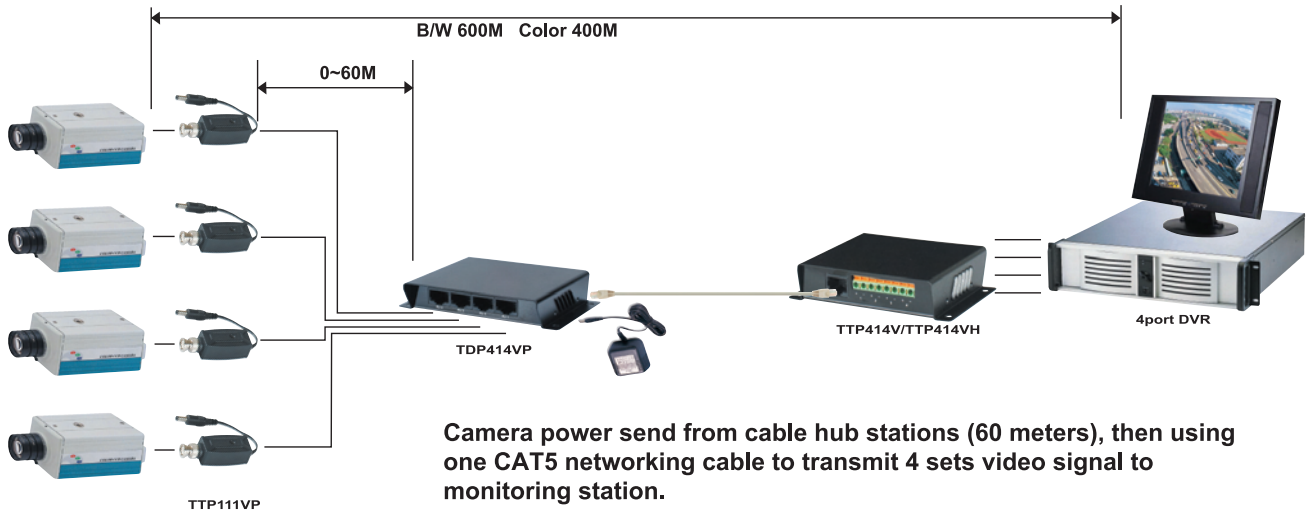
Application Guide

Application Guide

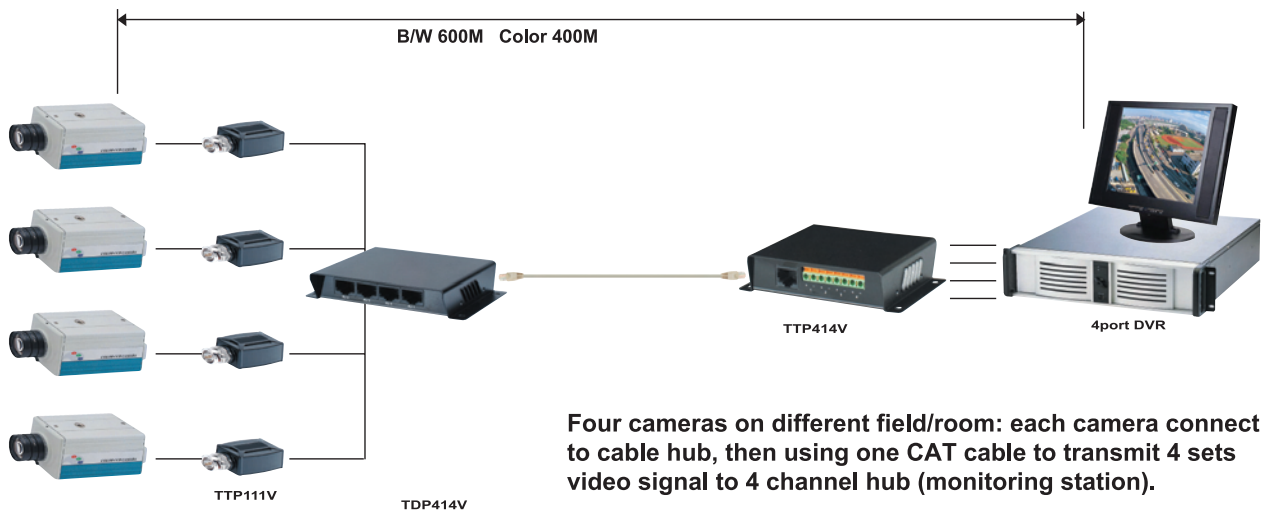
Twisted Pair Transmission Application



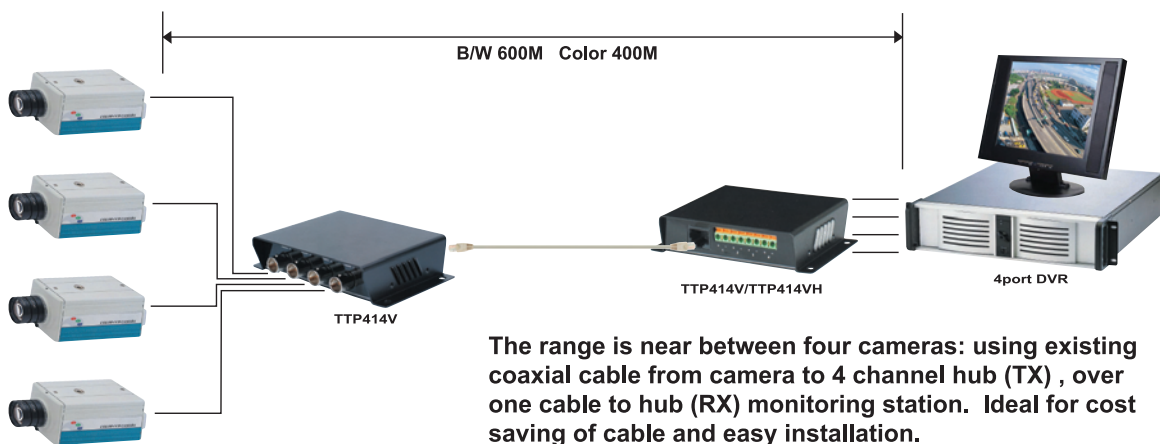
4 Cameras Power From Cable Hub Station



4 Cameras to Hub CCTV Distribution Application

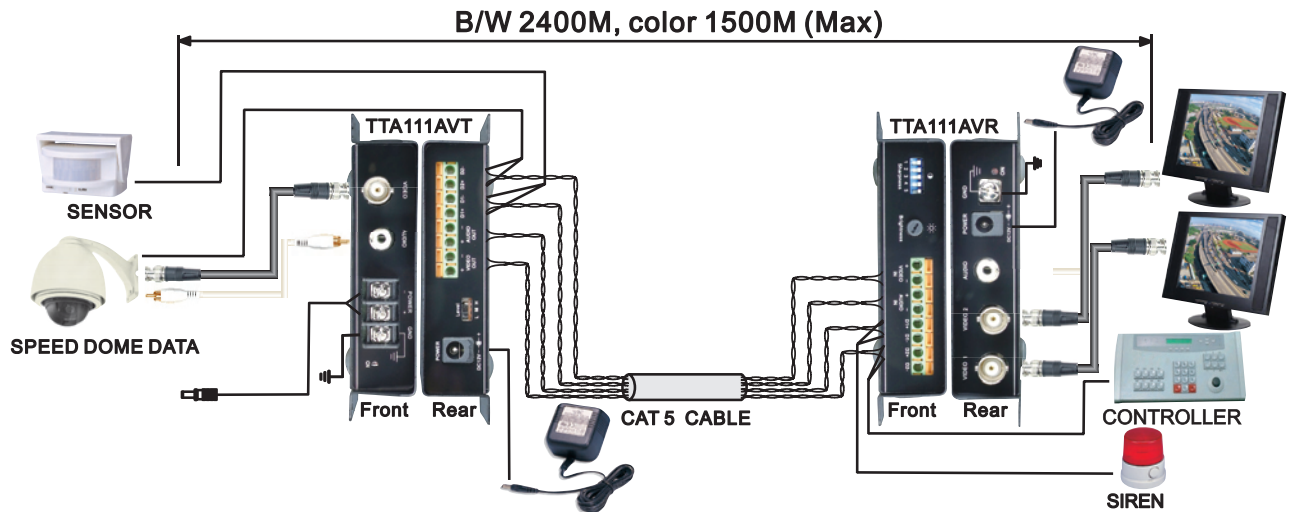


4 Channel Hub to Hub CCTV Distribution Application

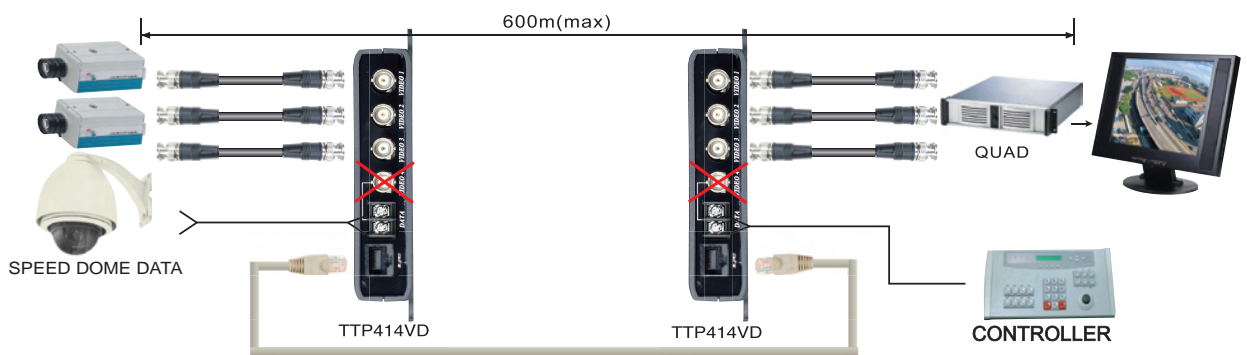


Application Guide

Speed Dome Camera Application

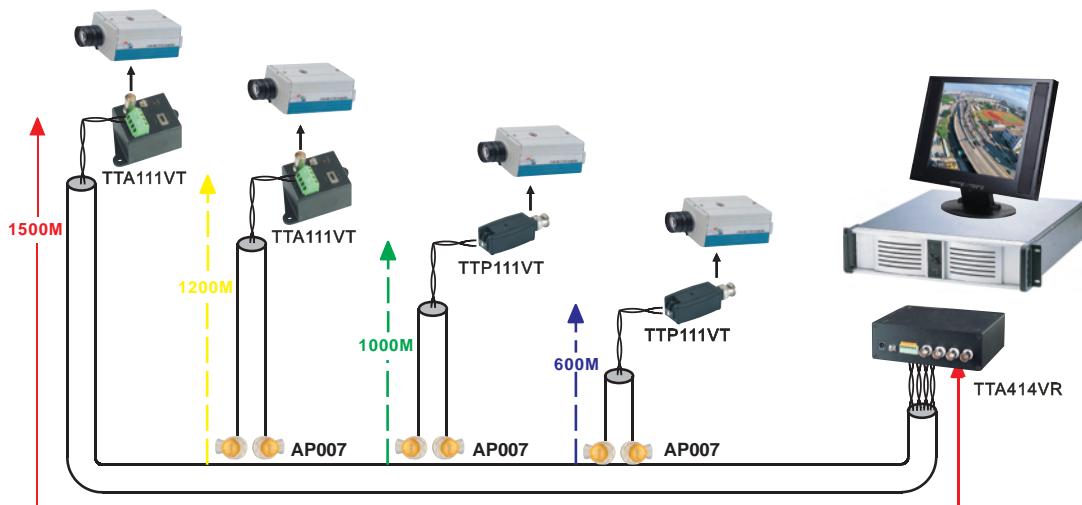


Using TTA111AV could transmit video, audio, 2 data signal, range up to 1.5KM (Color), 2.4Km (B/W)



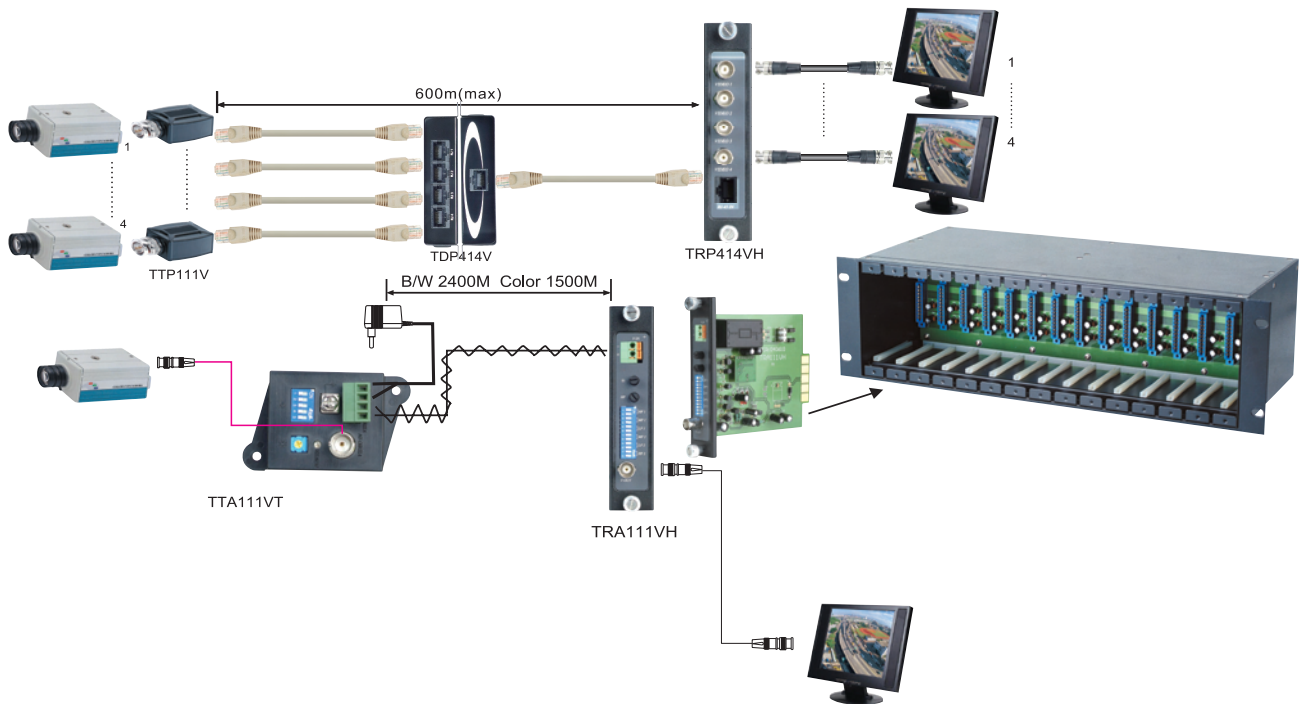
Using one 4 pair UTP cable to transmit/receive 4 sets video signals or use 3 pairs to transmit/receive 3 sets video signal, plus one data signal (RS422,485).

One Cable For Variety Range Application



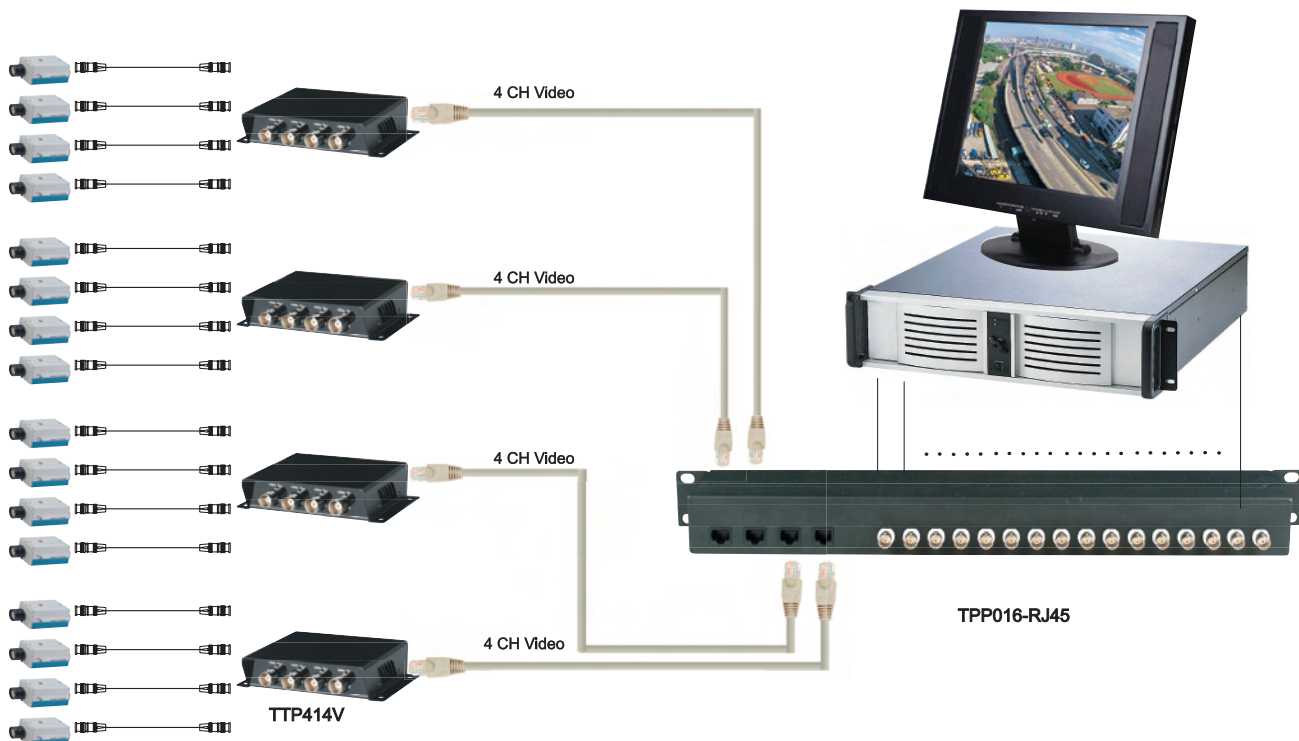
Passive or active video transceiver for series connection to use one CAT5 4 pairs cable, transmit 4 video signals for different range.

Building or Large CCTV installation with Rack Cabinet



Using rack card type, could insert passive or active receiver card at TRN012 Rack Cabinet, the maximum receiving channel could up to 60 channels (passive).

16 Cameras UTP Cabling - RJ45 termination CCTV Hub

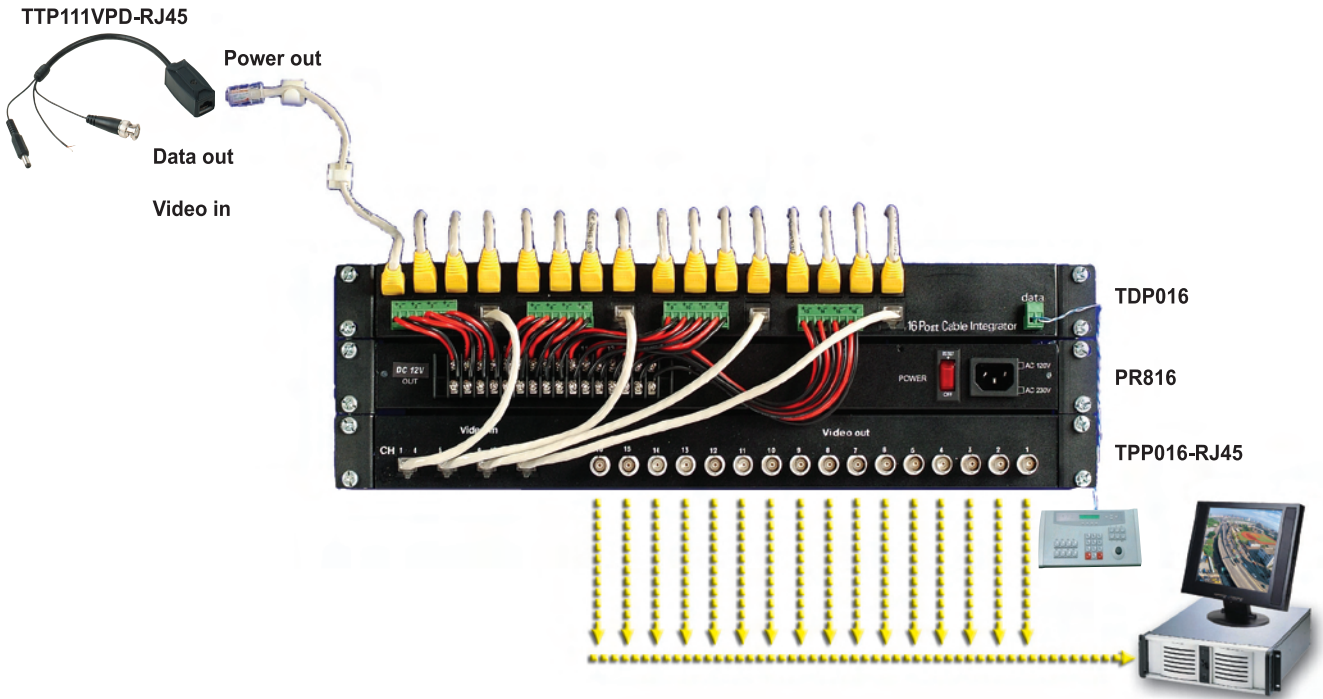


Use with TTP414V / TPP016-RJ45 hub for a neat and professional CAT5 RJ45 termination cabling solution.

- Twisted Pair Transmission
- CAT5 VGA Transmission
- IP Cabling Transmission
- Audio Transmission
- Data Transmission
- Coaxial Cabling Transmission
- Surge Protector
- Solution Provider for Video Interference
- Power Center
- Accessories
- Application Guide

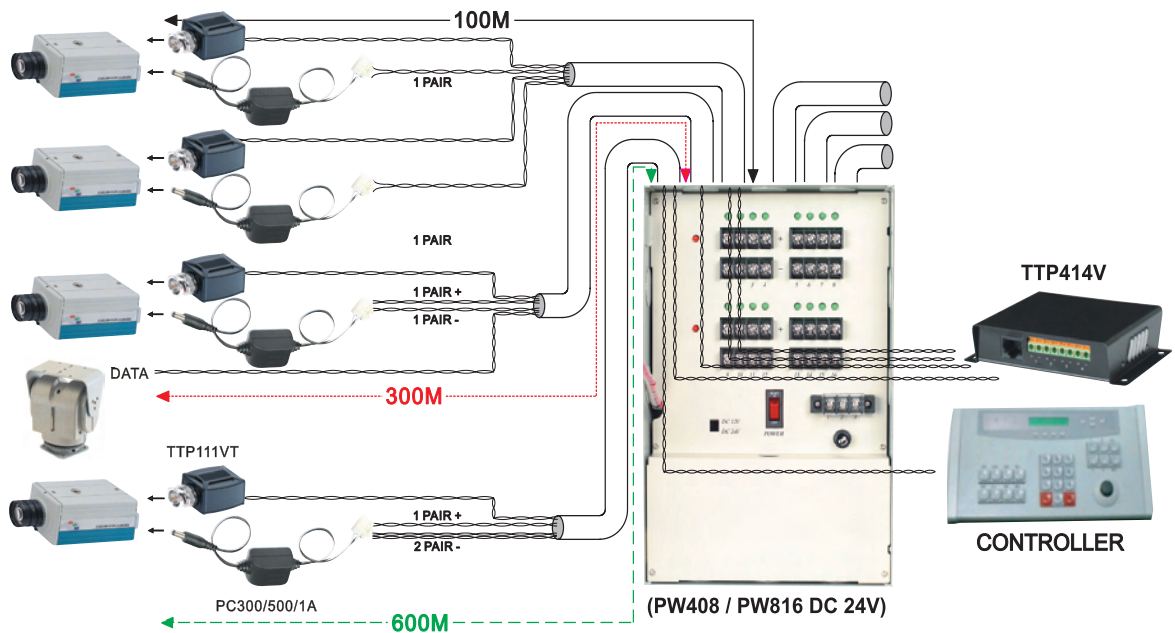
Application Guide

Professional Cable Integrator



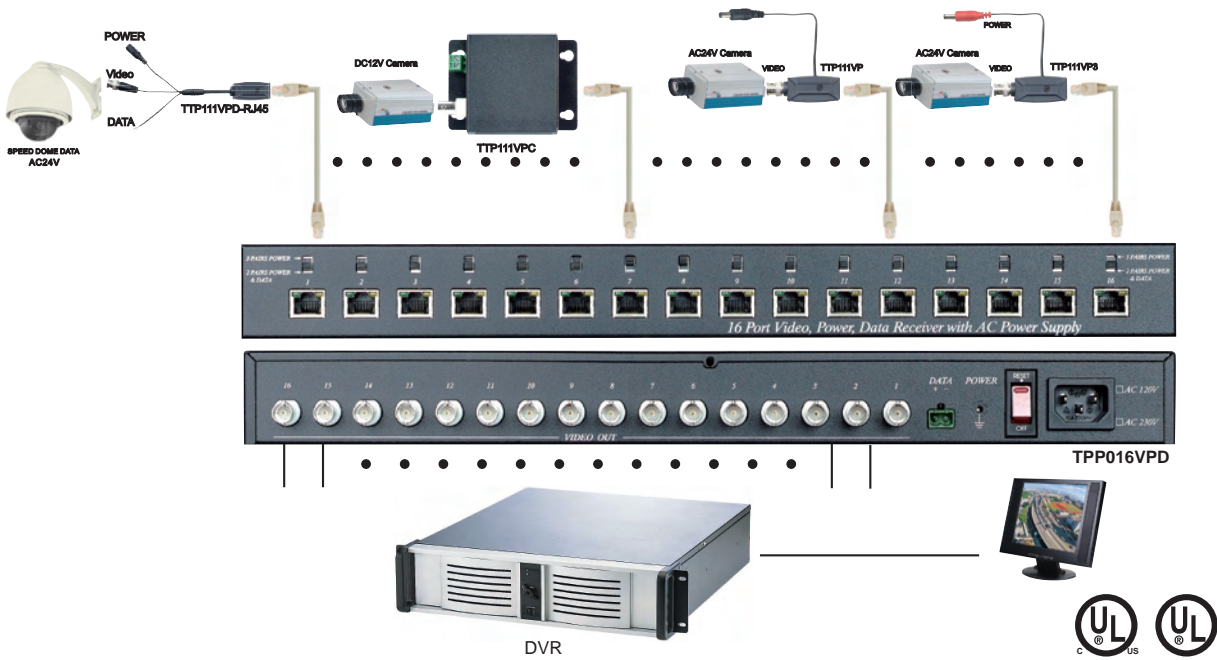
16 port cable integrator, to carry Video, Power, Data over CAT 5 & RJ45 connectors.

Video, Power, Data Transmission Application



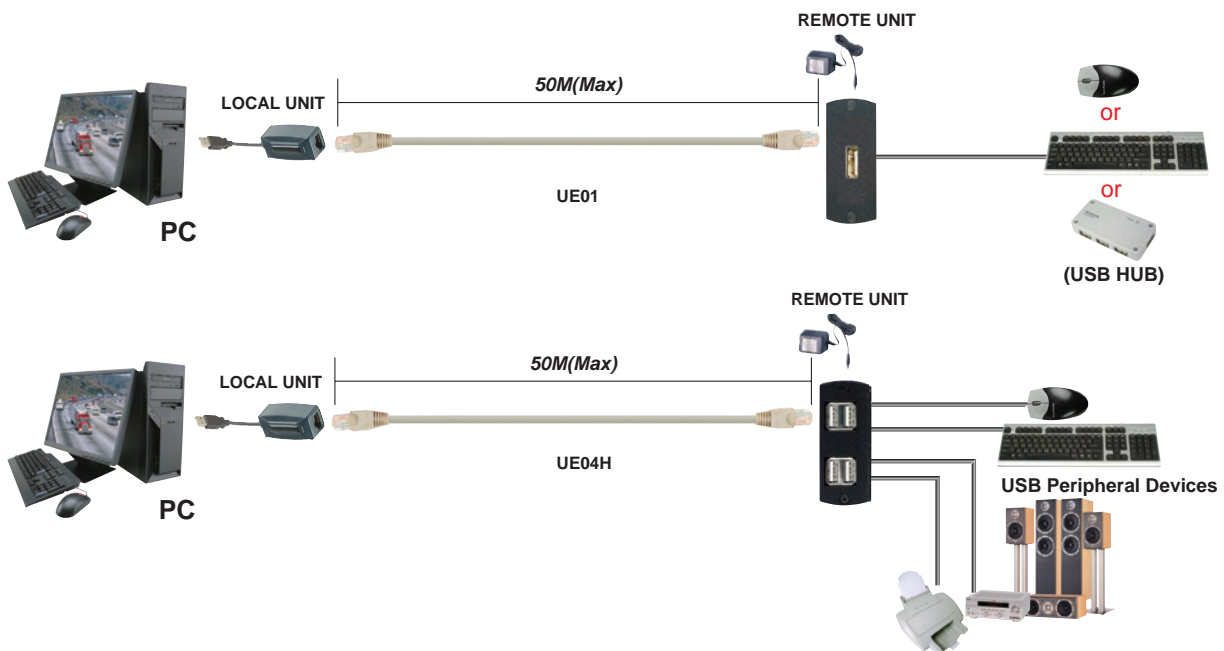
Using CAT 5 cable to transmit Video, Power, Data Signal for best & professional cabling management.

16 Channel Video Power Data UTP Hub with AC Power Supply



Professional CCTV UTP hub integrate and send video, power, data over 4 pairs CAT5 cable up to 300 meters. Perfect cable management solution from the camera to the wiring station, control room.

USB CAT5 Extender



Application for extend USB 1.1 / USB 2.0 devices (Keyboard, mouse, IP camera, printer...) up to long range 50 meters/100meters over CAT5 cable.

Twisted Pair Transmission

CAT5 VGA Transmission

IP Cabling Transmission

Audio Transmission

Data Transmission

Coaxial Cabling Transmission

Surge Protector

Solution Provider for Video Interference

Power Center

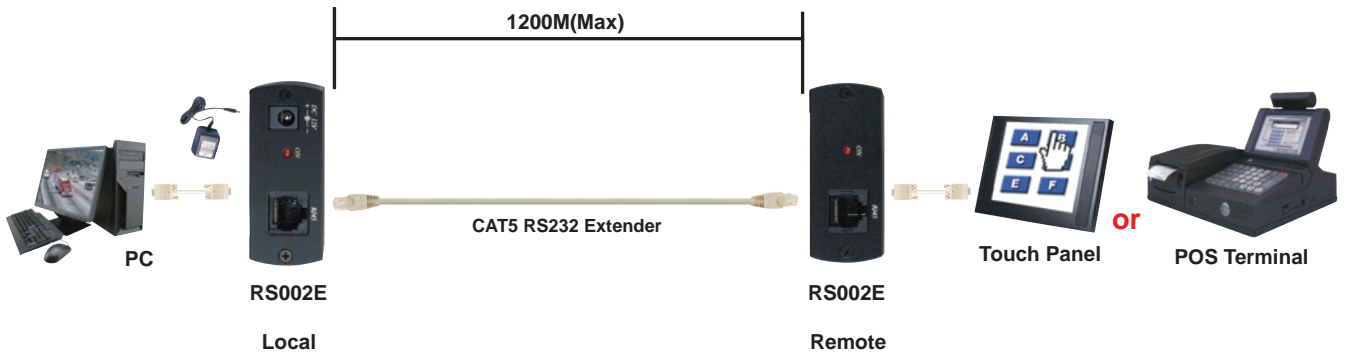
Accessories

Application Guide

Data Repeater, Extender

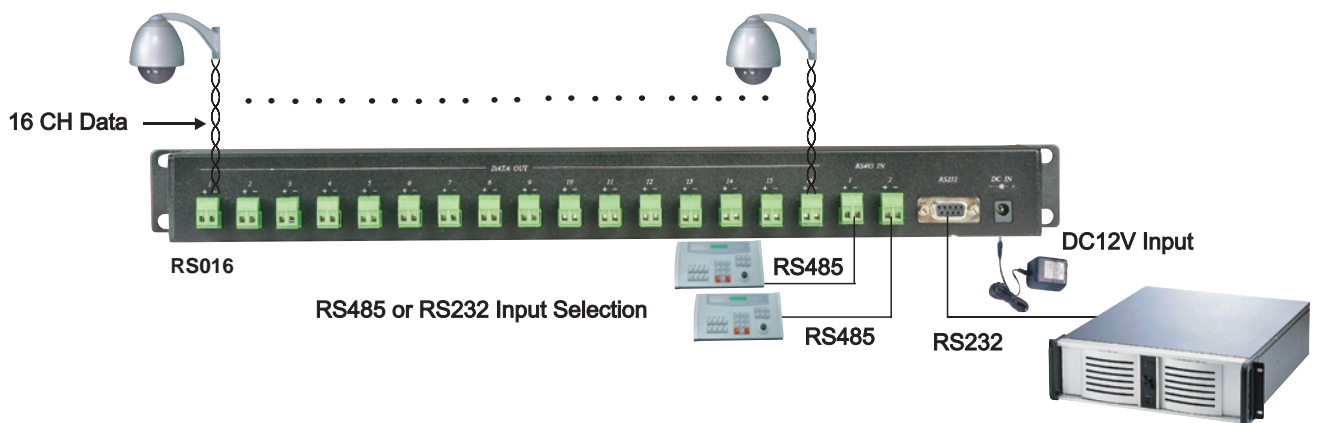


Perfect for long range RS485 data signal



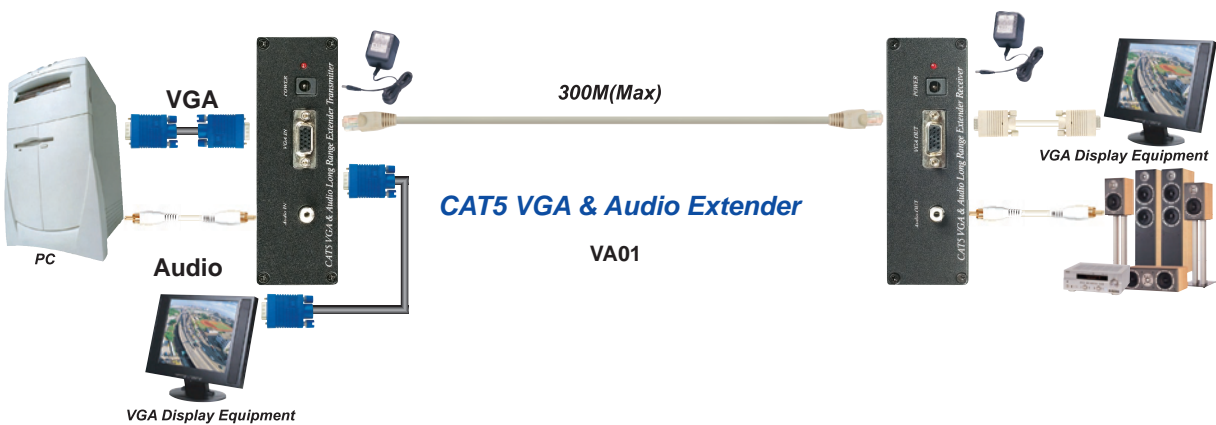
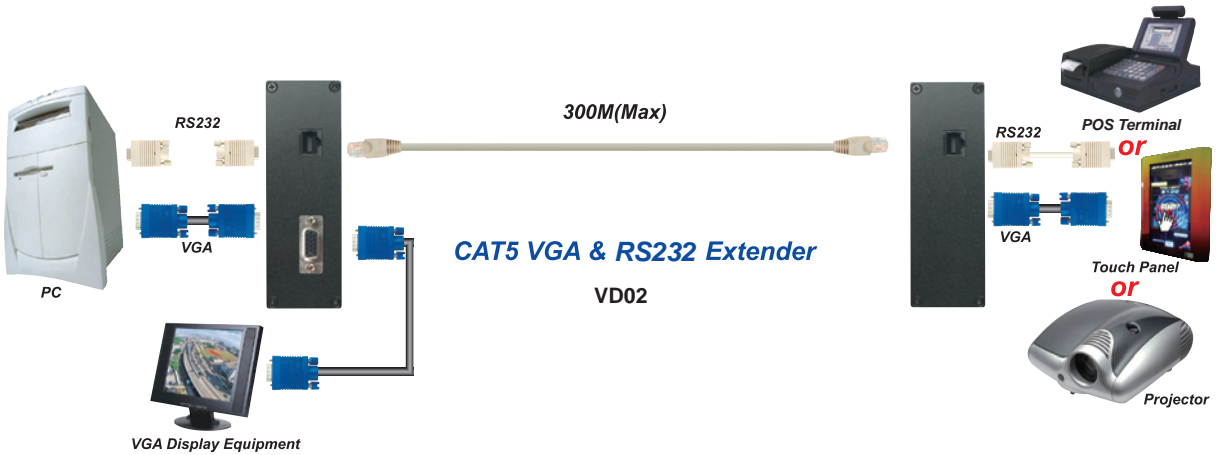
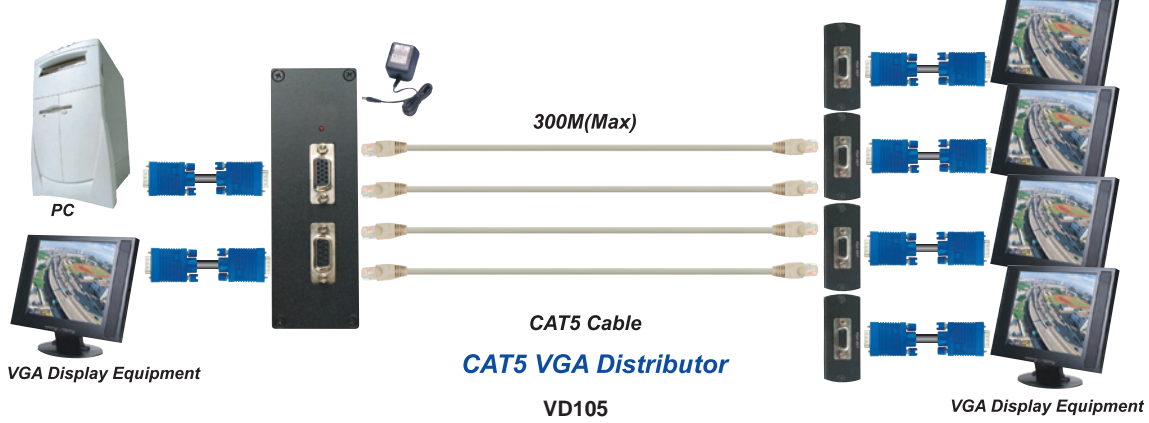
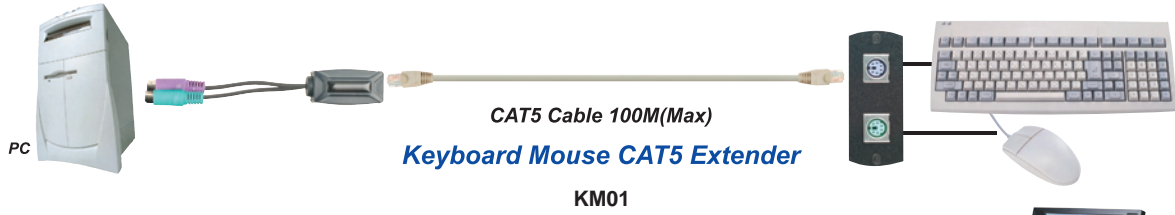
Extend RS232 serial data up to 1.2Km over CAT5 cable.

RS485 Data Distributor



Perfect for multi speed dome data application, each channel up to 1200 meters (Max.)

CAT 5 VGA Transmission



Twisted Pair Transmission

CAT5 VGA Transmission

IP Cabling Transmission

Audio Transmission

Data Transmission

Coaxial Cabling Transmission

Surge Protector

Solution Provider for Video Interference

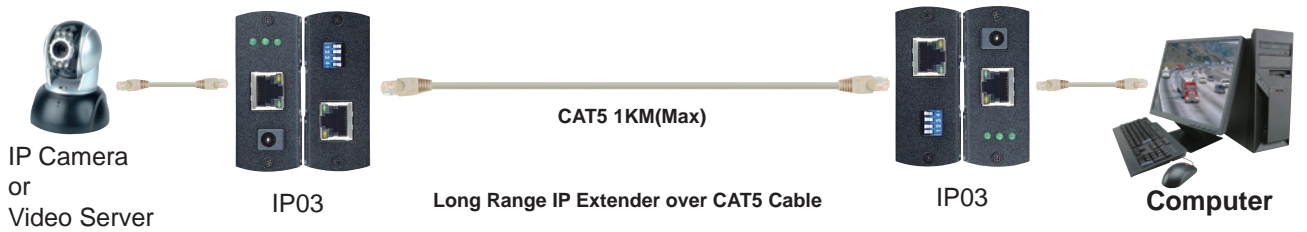
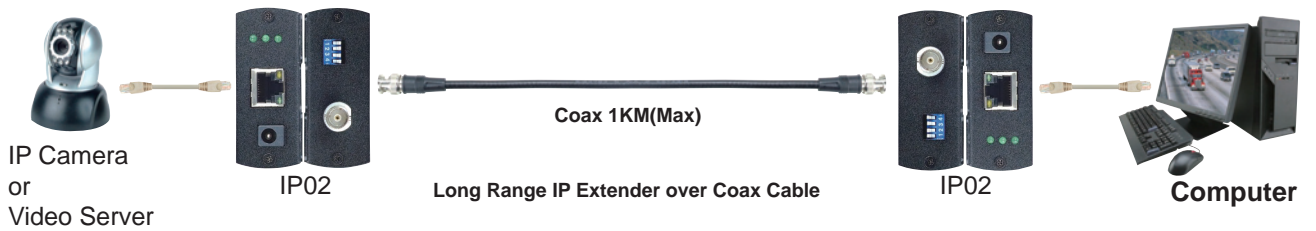
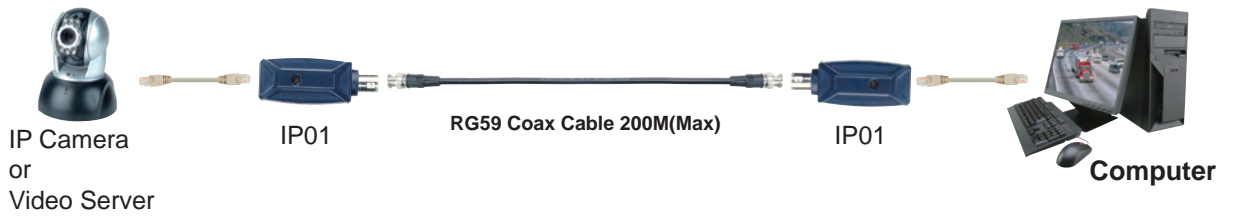
Power Center

Accessories

Application Guide

Application Guide

IP Cabling Solution



Surge Protection for IP Camera

