speco technologies®

Little
BLUE
Book

*quick guide
to accessories*

HDMI Accessories

4 Inputs to 1 Output - HDMI Switcher
HDMI4SWT

Extends range of HDMI compliant devices
Supports high resolution inputs

SPECIFICATIONS
- 4 input/1 output HDMI Switcher
- Switch easily between any 4 HDMI sources by remote control or front panel button
- Extends range of HDMI compliant device by equalizing and reclocking the HDMI signal
- HDTV: 480i, 576i, 480p, 576p, 720p, 1080i and 1080p @60Hz
- Supports high-resolution inputs: PC: VGA, SVGA, XGA, SXGA, UXGA, WUXGA (1920x1200)
- Supports both audio and video signals
- HDMI 1.3 compliant/ HDCP pass-through
- IR remote control included

VGA & Stereo/Digital Audio To HDMI
VGAHDMI

Local loop VGA output
Supports HDMI & DVI output

SPECIFICATIONS
- VGA & stereo/digital audio to HDMI converter with local loop VGA output
- Supports HDMI & DVI output mode
- Encodes analog stereo audio or digital audio onto the video signal for HDMI audio and video
- Supports PC resolution up to 1920x1080

Component Video To HDMI Converter
COMHDMI

Local loop component input
No power required

SPECIFICATIONS
- Component Video to HDMI converter with local loop component input
- Convert component video (YPbPr) & stereo/digital (SPDIF) audio to HDMI display
- Built-in local component video loop output with stereo/digital (SPDIF) audio
- Encodes analog stereo audio or digital audio onto the video signal for HDMI audio and video
- Supports HDTV resolution up to 1080p

Audio Accessories

Audio CAT5 Extender
UTPAUDIO
Ground loop device
No power required

SPECIFICATIONS
- Gold-plated RCA female to RJ45
- Used in pairs via one CAT5 UTP cable
  to send audio signal of up to 1 mile
- 20Hz to 20kHz bandwidth
- Available for 75 – 120 ohm cable
- High performance to eliminate
  audio ground loop problem
- No power required
- Sold in pairs

Stereo/Mini Stereo Audio CAT5 Extender
STRXTNDR
Ground loop device
No external power required

SPECIFICATIONS
- Dual gold-plated RCA female
  + 3.5mm mini jack to RJ45
- Stereo or mini-stereo selector switch
- No external power required
- Sold and used in pairs via CAT5 UTP cable
- Can send audio signal up to 2000'
- 20Hz to 20kHz bandwidth
- Hi performance to eliminate
  audio ground loop

Hi Impedance Line Level Universal Mic
CAMMIC
Add-On mini microphone
Easy to install

SPECIFICATIONS
- Add-on mini microphone for all systems
- High sensitivity microphone with
  1.5 ft. power/audio cable
- Easy to install and ideal for
  all security surveillance audio
  recording applications
- Line level output

Baluns, Extenders, Repeaters

POE Injector - 12.95W
IPPOEINJ1295
Splits DC48V Power Over RJ45
Use with POESPL1295 Splitter

SPECIFICATIONS

- Compatible with IEEE 802.3af (12.95W) POE standard, PSE/PD
- Injector provides DC48V power over RJ45 Ethernet cable to device with Ethernet port
- Supports POE power up to 12.95W for POE port
- Support 10/100/1000 BASE-T transmission rate
- Power input LED indicators
- Distance up to 325'
- For use with POESPL1295 Splitter

POE Splitter - 12.95W
IPPOESPL1295
DC48V Power Over RJ45
Use with POESPL1295 Injector

SPECIFICATIONS

- Compatible with IEEE 802.3af (12.95W) POE standard, PSE/PD
- Splits the DC48V power over RJ45 Ethernet cable into DC 5V/12V output
- Support 10/100/1000 BASE-T
- Two adjustable output voltage options (5V/1.8A, 12V/1A) to fit various devices
- BASE-T transmission rate
- Power input LED indicators
- Distance up to 325'

POE Injector - 25W
IPPOEINJ25
DC56V Power Over RJ45
Use with POEINSPL25 Splitter

SPECIFICATIONS

- Compatible with IEEE 802.3af (25W) Gigabit high power over Ethernet pre-standard, PSE/PD
- Injector provides DC56V power over RJ45 Ethernet cable to device with Ethernet port
- Supports POE power up to 25W for POE port
- Support 10/100/1000 BASE-T transmission rate
- Power input LED indicators
- Distance up to 325'
- For use with POESPL25 Splitter

BALUNS, EXTENDERS, REPEATERS

POE Splitter - 25W
IPPOEINSPL25
DC56V Power Over RJ45
Use with POEINJ25 Injector

SPECIFICATIONS
- Compatible with IEEE 802.3 at (25W) Gigabit high power over Ethernet pre-standard, PSE/PD
- Splits the DC56V power over RJ45 Ethernet cable into DC 5V/12V output
- Support 10/100/1000 BASE-T
- Two adjustable output voltage options (5V/3.6A, 12V/1.8A) to fit various devices transmission rate
- Power input LED indicators
- Distance up to 325'

POE/LAN Repeater
IPPOEERPT

Extends power & data 1000'
No external power required

SPECIFICATIONS
- Extends both power and data up to 1000'
- No external power required
- Compatible IEEE 802.3af POE standard
- Support 10/100/1000 BASE-T transmission rate
- Built-in LED status indication
- Plug and play for easy installation

Passive Baluns
VIDUTP

Long run solution
Up to 1900' transmission

SPECIFICATIONS
- Allows the use of UTP CAT-5E cabling. More flexible security and surveillance cabling for quicker installations
- Allows up to 1900 feet for B/W, 1000 feet for color, via CAT-5 UTP
- Screw terminals for easy connection
- Compact design
- Sold in pairs

Composite Video & Audio CAT5 Extender
COMXTNDR

Includes transmitter & receiver
No external power required

SPECIFICATIONS
- 3 RCA (female) to RJ45 (female)
- No external power required
- Sold and used in pairs via one CAT5 UTP cable
- Can send video and stereo audio up to 1000'
- Two-way audio transmission and one-way video transmission

Baluns, Extenders, Repeaters
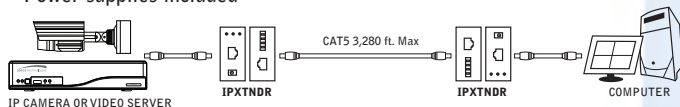
CAT5/VGA Extender
IPXTNDR

Includes transmitter & receiver
No power required

SPECIFICATIONS
- Send IP camera signal over existing CAT5 cable
- Exceeds 802.3 10BaseT NEXT specification, isolating the receiver from the transmission signal
- Transmission up to 3,280 feet (max.)
- Power supplies included

IP CAMERA OR VIDEO SERVER   **IPXTNDR**   CAT5 3,280 ft. Max   **IPXTNDR**   COMPUTER

Ground Loop Isolator Built-In Video Balun
VIDGL/UTPGL

For Coaxial & UTP
Up to 1900' transmission

SPECIFICATIONS
- BNC male to 2 pin terminal block (UTPGL) or BNC female to BNC male
- Built-in video BALUN transmits a full motion monochrome video signal up to 1,900 ft., color video signal up to 980 ft.
- Eliminate coaxial cable
- Built-in TVS (Transient Voltage Suppressors) for surge protection

Coaxial Balun for DVR
VIDDVR

BNC Male to BNC Female
Gives DVR immunity from interference

SPECIFICATIONS
- BNC male to BNC female with mini cable 11.8"
- Gives DVR immunity from interference
- Built-in highly balanced mode of video transmission which is immune to interference from sources of noise: data signals, other video signals, nearby power, ringing telephones, fluorescent lights, transformers and more

DVI CAT5 Extender
DVIXTNDER

Includes transmitter & receiver
No external power required

SPECIFICATIONS
- 1 in/1 out
- Includes transmitter and receiver
- Used in pairs via one CAT5/5e/6 cable to send DVI signal
- No external power required
- Transmission distance:
  1024x768: 225'
  1920x1200: 160'

Baluns, Extenders, Repeaters

VGA/Keyboard/Mouse CAT5 Extender

KVMPC2
PS/2 interface
Transmission range up to 300'

SPECIFICATIONS

- Extend VGA and keyboard mouse over 2 CAT5 UTP cables (instead of VGA cable and keyboard mouse cable)
- Allows extension for transmission range of up to 300 feet
- Includes local and remote unit
- No power required

Keyboard/Mouse CAT5 Extender

KMUSB
USB interface
Transmission range up to 300'

SPECIFICATIONS

- Extend USB keyboard and mouse via one CAT5 cable
- Allows extension for transmission range of up to 300 feet
- Includes local and remote unit (local unit – PC side: USB to RJ45, remote unit (keyboard mouse side): RJ45 to PS/2
- No power required

CAT5/VGA Extender

VGA135
Includes transmitter & receiver
No power required

SPECIFICATIONS

- Operate your VGA monitor up to 440' through CAT 2 cable
- Includes 2 units: transmitter and receiver
- Transmitter built-in virtual DDC to avoid improper setting for resolution & frequency and built-in sync mode selection for signal stability
- Receiver has built-in sync mode selection for signal stability
- Supports up to 1290 x 1024 pixels
- Extend transmission range to over 440' via standard 4 pairs CAT6 UTP/STP cable instead of VGA cable
- No power required
- Perfect for classroom, lecture halls, video information displays, etc.

CAT5 Long Range VGA Receiver

VGAR
Long run solution
Power supply included

SPECIFICATIONS

- VGA receiver for VGADIST5 or VGADISTK2 for remote VGA Display Equipment
- Built-in contrast, brightness adjustment
- Supports up to 1600 x 1200 @85Hz • Power supply included

Baluns, Extenders, Repeaters

CAT5/VGA Kit
VGADISTK2

1 Input to 2 output splitter
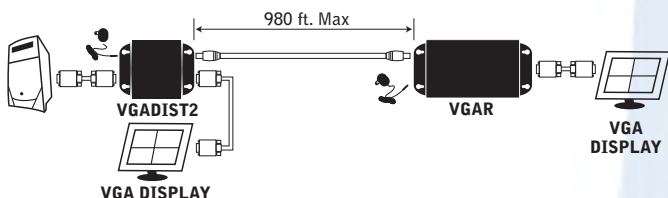Transmitter range up to 980'

SPECIFICATIONS

- Dual output: 1 VGA loop output for local, plus 1 x CAT5 RJ45 output for remote side
- Use of CAT5 cable instead of VGA cable
- Long range transmission of up to 980 feet (max).
- Built-in contrast, brightness adjustment at VGAR receiver
- Supports up to 1600 x 1200 @ 85Hz

KIT INCLUDES:

- One VGADIST2 transmitter
- One VGAR receiver • Two power supplies

CAT5/VGA Kit
VGADISTK5

1 Input to 5 output splitter
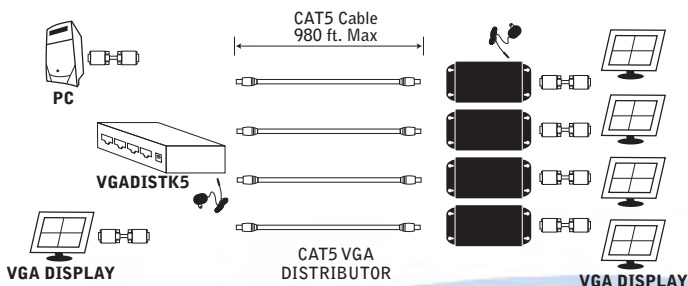Transmitter range up to 980'

SPECIFICATIONS

- Dual output: 1 VGA loop output for local, plus 4 x CAT5 RJ45 outputs to remote monitors
- Up to 4 VGAR receivers for each remote monitor with VGA input (order separately)
- Allows use of CAT5 cable instead of VGA cable
- Power supply included
- Long range transmission of up to 980 feet (max).
- Built-in contrast, brightness adjustment at VGAR receiver
- Supports up to 1600 x 1200 @85Hz

KIT INCLUDES:

- One VGADIST5 transmitter
- One VGAR receiver • Two power supplies

DISTRIBUTION ACCESSORIES

1 Input to 4 Outputs - Video Distributor
VIDDIST

For use with coaxial cabling
For color and/or B/W cameras

• 1 video input to 4 video outputs
• Power: 12VDC
• Operates with Color or B/W signals

BNC75 (Optional)
• 75 ohm resister in a BNC connector
• Terminates unused outputs of a distribution amplifier (VIDDIST)
• Can be used with any video equipment requiring a 75 ohm
  BNC termination

1 Input to 1 Output Video Amplifier
VIDAMP

Video gain compression
For color and/or B/W cameras

SPECIFICATIONS

• 1 video input to 1 video output
• 10dB video gain compensation, amplification and HF compensation
• Sharpness and brightness adjustment works perfectly with DVR
• Transmission range: 3,200 ft. (RG59 coaxial cable)
• Requires 12V power supply (not included)

4 Input to 4 Output Video Amplifier
VID4AMP

Video gain compression
Works perfect with DVRs

SPECIFICATIONS

• 4 video input to 4 video output
• 10dB video gain compensation, amplification and HF compensation
• Sharpness and brightness adjustment works perfectly with DVR
• Transmission range: 3,200 ft. (RG59 coaxial cable)

4 Channel Active Receiver
UTP4AR

Extended range for UTP transmission
12VDC Power supply included

SPECIFICATIONS
• Built-in 4 port active receivers
• Built-in highly balanced mode of video transmission for extra
  interference immunity
• Extended range for UTP transmission
• 12VDC power supply included

Distribution Accessories

Active Video/Audio/Data Transmission
UTP4A

Extended range for CAT-5E transmission
Power supply included

SPECIFICATIONS
• 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 activation switch on receiver, brightness adjustment,
  two video outputs
• Built-in transient protection and ground lifting
• Power supply included

16 Port Passive Transceiver HUB
UTP16P

Up to 3,200′ range
No power required

SPECIFICATIONS
• 16 port passive transceivers in 1U 19″ rack mounting panel
• Passive transmitter hub, use with active receiver at a distance
  up to 3,200 ft.
• Passive, no power required
• Built-in a highly balanced mode of video transmission for
  extra interference immunity

16 Port Active Transceiver HUB
UTP16AR

Up to 3,200′ range
Extended range for UTP transmission

SPECIFICATIONS
• 16 port active receivers in 1U 19″ rack mounting panel
• Active receiver hub, use with active transmitter at a distance up to 3,200 ft.
• Built-in a highly balanced mode of video transmission for extra
  interference immunity
• Built-in transient protection and ground lifting
• Extended range for UTP transmission for extra interference immunity

4 Channel Passive Video Receiver
UTP4P

SPECIFICATIONS
• 4 x BNC female to 1 x RJ45 female and 8 pin terminal block
• Four passive transceivers in one product
• RJ45 and push pin terminal inputs/ outputs

Video Transceiver 10" Mini Coax BNC Cable
UTPPTAIL
Weather resistant IP65
Compact size

SPECIFICATIONS

- Compact size, perfect to connect with an image processor which has multi BNC connections such as a multiplexer, quad, DVR, etc.
- BNC male to terminal block
- Weather resistant, IP65
- Full balun operation

Power and Video Over CAT-5E
VIDCAT2
Works with any baseband signal
For color and/or B/W cameras

SPECIFICATIONS

- Speco Technologies CAT-5E conversion kit, allows transmission of video and power over CAT-5E cable. The kit includes a transmitter & receiver
- Allows video and power over CAT-5E cable up to 600 ft.
- Works with any baseband signal (not just cameras)
- Can be used with all Speco Technologies B/W & color cameras
- Ideal for new construction and retrofits
- Compatible with current TIA-568 & TIA-570 structured CAT-5 cabling standards
- Connects to CAT-5E through the use of a 6-pin terminal connector
- Add your own 12VDC power supply not supplied.

Video Transceiver BNC To Screw Terminal
MVTBNCSCR
BNC (male) to screw terminal
Compact size

SPECIFICATIONS

- BNC (male) to screw terminal for easy connection
- Compact size. Multiple units could be mounted behind multiplexer, quad, DVR, etc.
- Sold in packs of 10
- Also available with 10cm mini coax cable: MVTBNCSCRPTL (sold individually)

MODULATORS & CONVERTERS

Channel 3/4 Modulator
RFM1A
SPECIFICATIONS
- Converts a composite video signal to an NTSC RF signal
- Set for channel 3-4
- Connect a video camera to a TV antenna for security surveillance
- Connect a home satellite receiver to a standard TV antenna
- Inputs: RCA, Audio and Video
- Outputs: F connector - UL listed
- 3.25"L x 4.5"W x 1.25"H

Full Range RF Modulator
MOD100D
LED display
Converts video/audio signals to RF

SPECIFICATIONS
- Digital phase lock loop tuning eliminates channel drift
- 120 selectable channels
  UHF - Channels 14-69
  Cable Channels 65-94,100-125
- Full channel memory for power outages
- Surface mount technology PC Boards
- Isolated left & right inputs improve audio performance for multiple audio inputs
- EZ tuning setup
- 3.8"L x 4.1"W x 1.5"H

VGA to BNC Converter
VGABNC
Windows & Mac® compatible
On-screen display background

SPECIFICATIONS
- Connects VGA output to existing TV or CRT monitor
- Video standards: NTSC/NTSC-EIAJ/PAL/PAL M/PAL-N/SECAM
- Resolutions supported:
  640x480 (up to 85Hz)
  800x600 (up to 85Hz)
  1024x768 (up to 75Hz)
- Dual output ports: Composite Video (BNC connector)
- VGA (DB15)
- On-screen display background
- Simple and quick to install

- Image controls:
  Horizontal and vertical size
  Brightness
  Contrast
  Hue
  Saturation
  Sharpness

MODULATORS & CONVERTERS

RS232 to RS485 Converter
RS232485C
Up to 3,900' range
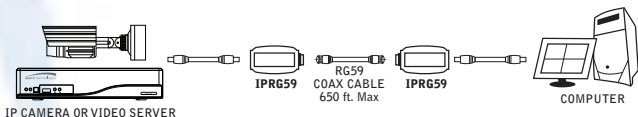Passive operation

SPECIFICATIONS
- RS232 DB9 serial female converting terminal block for RS485 - Data in/output
- Two wire, different signals, half duplex
- Passive operation
- Auto sensing baud rate, speeds up to 115,200 baud over a distance of 3,900 ft.
- Units connected together in RS-485 multidrop operation

IP Converter for RG59 Coax
IPRG59
USB interface
Transmission range up to 300'

IP CAMERA OR VIDEO SERVER   **IPRG59**   RG59 COAX CABLE 650 ft. Max   **IPRG59**   COMPUTER

High Resolution Video to VGA Converter
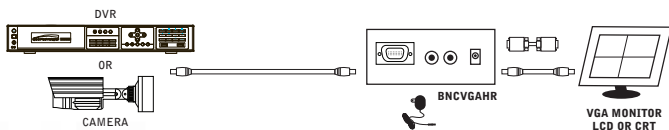**BNCVGAHR**
Compact size
OSD video control

SPECIFICATIONS
- Input: allows composite video output to be viewed on a VGA monitor (CRT or LCD)
- Dual output: BNC x 1 for TV monitor and DB15 x 1 for VGA monitor
- High resolution VGA display up to 1280 x 1024 @60Hz
- Frequency output: 59Hz to 85Hz
- On screen display function: Hue, Brightness, Contrast, Saturation
- OSD video control
- Compact size and low working temperature

DVR   OR   CAMERA   **BNCVGAHR**   VGA MONITOR LCD OR CRT

POWER ACCESSORIES

Video & Power Surge Protector
SPVP

Two stage protection
2A max current

SPECIFICATIONS
• Two-stage protection: 130V, AC/DC12V
• 2-pin terminal + BNC male to 2-pin terminal + BNC female
• Max power input:
  AC 40V Max
  DC 56V Max
• Max current up to 2Amp

UTP Data Surge Protector Terminal Connector
SPUTPVD

SPECIFICATIONS
• Terminal connector to terminal connector
• Perfect for video or data signal protection

Network Surge Protector
SPIP

RJ45 to RJ45
Four pair protection

SPECIFICATIONS
• RJ45 Jack to RJ45 Jack
• Four pair protection
• Perfect for protecting IP camera, network, PC modem, server, etc.
• Protects UTP twisted pair products or any computer equipment
  utilizing a network cable

POE Surge Protector
SPPOE

RJ45 Jack
No external power required

SPECIFICATIONS
• RJ45 Jack to RJ45 Jack
• Power and signal line protection
• 10/100 BASE-T CAT5/5e compatible
• 802.3af POE compatible

DC Plug to Terminal Block
DCPLGBLOK

Fits into tight spaces
Sold in packs of 10

SPECIFICATIONS
• DC plug (male) to removable terminal block
• Small size to fit in tight spaces
• 2.1mm DC Plug
• Sold in packs of 10

USB Power Loss Detector
USBPL1

Triggers alarm or other notification
5V DC operation

The USBPL1 detects the power output of any active USB port on a DVR or computer. If the power is interrupted, the output status of the leads changes and can be used to trigger an alarm or other notification.

- Operating Voltage: 5V DC as supplied by USB port
- Pick-Up Voltage: 3.75V DC
- Operating Current: 28.1mA (140mW)
- Dimensions: 3" W x 0.9" H x 0.9" D
- Wire Length: 5.9"

Converts 24 Volts AC to 12 volts DC
VID2412CONV

Regulated 12VDC output
5 year warranty

SPECIFICATIONS

- Operate your 12 Volt DC cameras on a variety of voltages
- Regulated 12 Volt DC output @ 500 mA
- Accepts 20 to 28 Volts AC and converts it to 12 Volts DC
- Accepts 15 to 30 Volts DC and converts it to 12 Volts DC
- Voltage input via 2-pin terminal block
- 12 Volt DC output via 2.4 coaxial female power connect
- Mechanical: Converter is 2.5"L x 1.2"W x .9"H;
  Input and output cables are .5" each

RACK MOUNT POWER CONDITIONERS

Power Conditioner
PCN8

Protects from power spikes and surges
8 AC switched outlets

FEATURES
- RFI/EMI interference filter
- 8 AC switched outlets on rear panel and
  one unswitched AC outlet on front panel
- Circuit breaker
- Dual retractable rack illuminators
- Front panel LED meter displays incoming AC line voltage

SPECIFICATIONS
- Current rating: 15A
- Operating voltage: 90 to 140 VAC
- Overvoltage shutdown: 140 VAC
- Spike protection modes: Line to neutral, zero ground leakage
- Response time: 1 nanosecond
- Maximum surge current: 6,500A
- Dimensions: 1.75" x 19" x 7.5"   PCN8 Rear Panel

RACK MOUNT POWER CONDITIONERS

Power Sequencer & Conditioner
PSQ8

2x digital filter/4x analog filter
Power down reverses sequence

FEATURES

Power up and power down 3 outlet groups in a delayed sequence

- Power up in 3 groups:
  2x Digital filtered
  4x Analog filtered
  2x High-Power filtered
- Power down reverses sequence
- RFI filtering with multi-stage PL filter
- 2 unswitched outlets on front panel
- Circuit breaker
- Multiple units may be linked to handle higher currents
- Four pairs of switched outlets on rear panel
- Front panel digital LED meter displays incoming AC line voltage
- A single, super bright, retractable, long-life, low-heat LED light
  with high/low/off switch for rack illumination

SPECIFICATIONS

- Current rating: 15A
- Operating voltage: 90 to 140 VAC
- Overvoltage shutdown: 140 VAC
- Spike protection modes: Line to neutral, zero ground leakage
- Delay interval: 5 seconds
- Response time: 1 nanosecond
- Maximum surge current: 6,500A
- Dimensions: 1.75" x 19" x 7.5"

PSQ8 Rear Panel