

intelix
DIGITAL & ANALOG DEVICES

INTEGRATING HDBaset

DESIGNING
& INSTALLING
INTELIX
HDBaset
TECHNOLOGY

Intelix HDBaset technology revolutionizes the way AV professionals distribute HDMI
and provides seamless integration into real-world applications



LIBERTY
AV SOLUTIONS

A SUBSIDIARY OF WESCO DISTRIBUTION, INC.

www.LibAV.com | 800.530.8998

RUN WITH US



INTEGRATING HDBaset

A brand of Liberty AV Solutions, Intelix has been manufacturing award-winning technology for more than 20 years. Originally dedicated to the professional audio and live sound markets, Intelix has evolved into a leading provider of commercial install, custom install, digital signage, and video distribution technology. In recent years their HDMI extenders, scalars and matrix switchers have won numerous awards, including CE Pro Best honors, SVI best commercial technology honors, and Custom Retailer Exclte honors. Intelix continues to lead the industry with application driven solutions that excel both in performance and durability, and their innovative engineering team continues to deliver technology firsts. Design with Intelix and design with intelligence.

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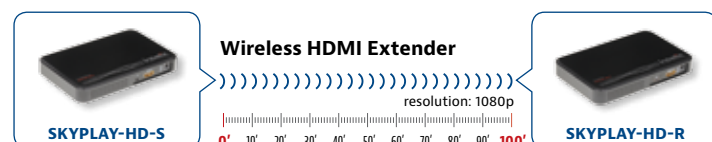
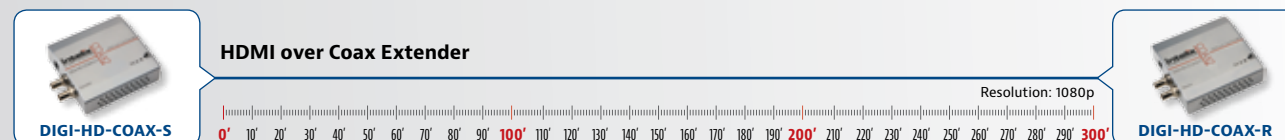
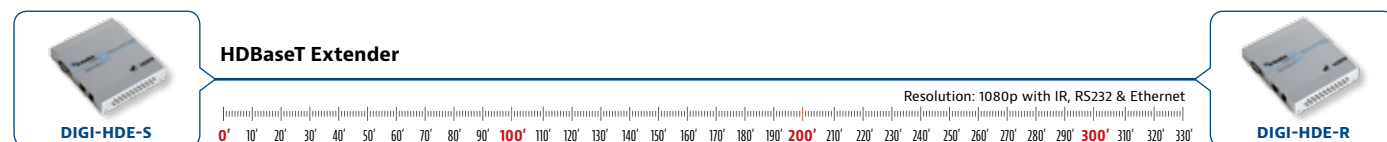
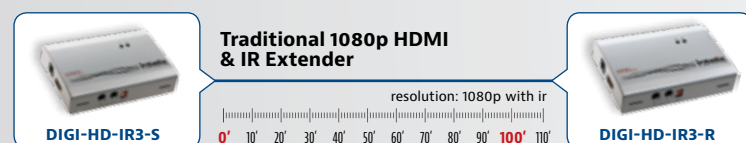
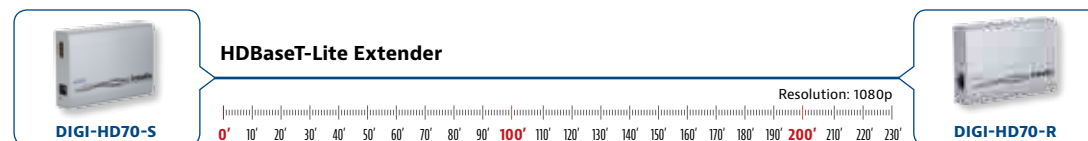
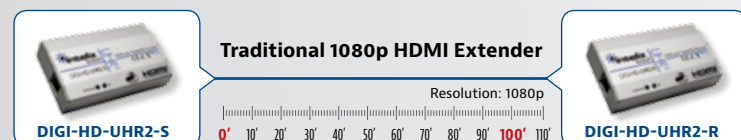
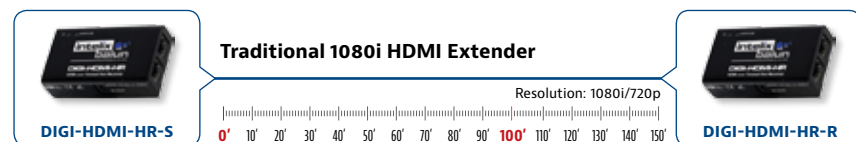
Intelix HDBaseT technology revolutionizes the way AV professionals distribute HDMI. Traditional HDMI distribution technology requires extensive installer configuration, limits signal bandwidth and limits transmission distance—HDBaseT removes these barriers.

Intelix products are truly plug-and-play, and are rated for distribution of 1080p, 4kx2k, and 3D signals up to 330 feet. Plus, integrated multi-channel audio, Ethernet, and IR and RS232 control provide seamless integration into real-world applications.

About Valens

Valens Semiconductor is at the heart of Intelix HDBaseT technology. Established in 2006, Valens has become the world leader in HDBaseT technology by introducing chipsets which enable HD multimedia, power and control to be transmitted exceptionally long distances.

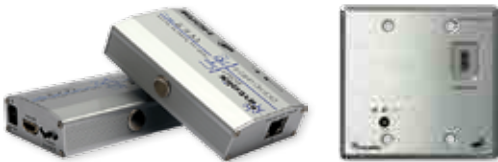
HDMI EXTENSION TECHNOLOGY



Traditional Extenders			HDBaseT Extenders		
DIGI-HDMI-HR	DIGI-HD-UHR2	DIGI-HD-IR3	DIGI-HD70	DIGI-HDE	Part number
1080i	1080p	1080p	4kx2k	4kx2k	Max Resolution
1080i/720p @ 150'	1080p @ 110'	1080p @ 110'	1080p @ 230'	1080p @ 330'	Max Distance
—	—	IR	—	IR & RS232	Control
—	—	—	—	✓	Ethernet
—	—	—	✓	✓	4kx2k Compatible
—	✓	✓	✓	✓	3D Compatible
—	—	—	✓	✓	CEC Compatible
✓	✓	✓	✓	✓	HDCP Compliant
\$216	\$357	\$468	\$631	\$823	U.S. Retail Price

STEP-BY-STEP

Traditional HDMI Extender
DIGI-HD-UHR2



The Intelix DIGI-HD-UHR2 is ideal for AV professionals who require a feature-rich, value priced HDMI extender.

A typical installation involves the following steps:

- 1) Verify the destination device EDID settings
- 2) Verify the transmitter and receiver dip switch settings, adjust if necessary
- 3) Connect the transmitter to the destination device with an HDMI cable
- 4) Power on the transmitter
- 5) Press the Hand Shake button to copy EDID information
- 6) Disconnect the transmitter
- 7) Power off the AV equipment
- 8) Connect a single twisted pair cable to the transmitter and receiver
- 9) Connect the HDMI cables
- 10) Power on the transmitter and receiver
- 11) Power on the AV equipment



STEP-BY-STEP

HDBaseT HDMI Extender
DIGI-HD70



The Intelix DIGI-HD70 is ideal for AV professionals who require the combination of features, performance, and installation speed.

A typical installation involves the following steps:

- 1) Power off the AV equipment
- 2) Connect a single twisted pair cable to the transmitter and receiver
- 3) Connect the HDMI cables
- 4) Power on the transmitter and receiver
- 5) Power on the AV equipment



HDMI Switcher	Traditional Twisted Pair Switcher	HDBaseT Switcher	
HD-4X1	DIGI-HD-4X4	FLX-8X8A	Part number
HDMI	HDMI	HDMI, HDBaseT, DVI and/or Analog	Input Format
HDMI	HDMI and Twisted Pair	HDMI, HDBaseT and/or DVI	Output Format
1080p	1080p	1920x1200	Max Resolution
Determined by connected HDMI cables	1080p @ 110'	1080p @ 230'	Max Distance
IR, RS232 & Front Panel	IR, RS232, Ethernet & Front Panel	IR, RS232, Ethernet & Front Panel	Control of Matrix
—	IR	IR & RS232	Pass-through Control of Connected Devices
✓	✓	✓	3D Compatible
✓	✓	✓	HDCP Compliant
\$339	\$1,568	\$6,564 (card frame)	U.S. Retail Price

STEP-BY-STEP

HDMI Switcher - 4 Input x 1 Output
HD-4X1



The Intelix HD-4X1 is ideal for AV professionals who have localized sources and destinations.

A typical installation involves the following steps:

- 1) Power off the AV equipment
- 2) Connect the HDMI and/or audio cables
- 3) Connect the control cable
- 4) Power on the HD-4X1
- 5) Power on the AV equipment



Scan to go directly to web page

STEP-BY-STEP

HDMI Matrix Switcher - 4 Input x 4 Output
DIGI-HD-4X4



The Intelix DIGI-HD-4X4 is ideal for AV professionals who require a feature-rich, value priced HDMI switcher and require distribution to remote displays.

A typical installation involves the following steps:

- 1) Verify the destination devices' EDID settings
- 2) Verify the matrix dip switch settings, adjust if necessary.
- 3) Power off the AV equipment
- 4) Connect the HDMI cables
- 5) Connect the twisted pair cables
- 6) Connect the control cable
- 7) Power on the DIGI-HD-4X4
- 8) Power on the AV equipment
- 9) Select the EDID settings on the front panel of the DIGI-HD-4X4



Scan to go directly to video

STEP-BY-STEP

Card-Based Matrix Switcher - 8 Input x 8 Output
FLX-8X8A



The Intelix FLX-8X8A is ideal for AV professionals who require the combination of features, performance, installation speed, and versatility.

A typical installation involves the following steps:

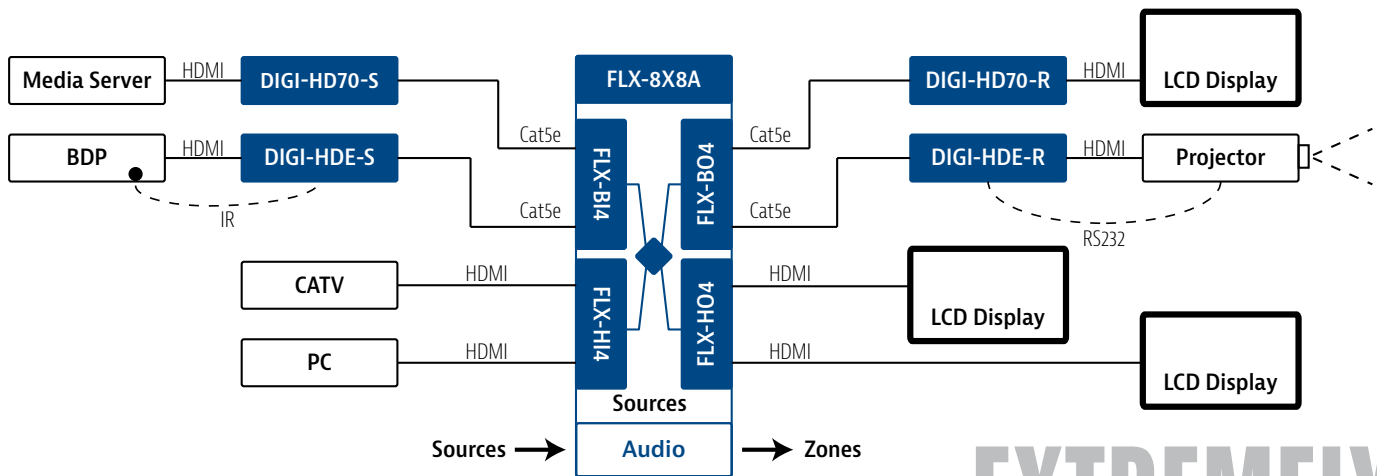
- 1) Select and seat the desired input and output cards
- 2) Power off the AV equipment
- 3) Connect the AV cables
- 4) Connect the twisted pair cables
- 5) Connect the control cable
- 6) Power on the FLX-8X8A
- 7) Power on the AV equipment
- 8) Select EDID settings from the configuration app



Scan to go directly to video

The Intelix FLX-8X8A is an extremely versatile solution for managing audio, video and control signals.

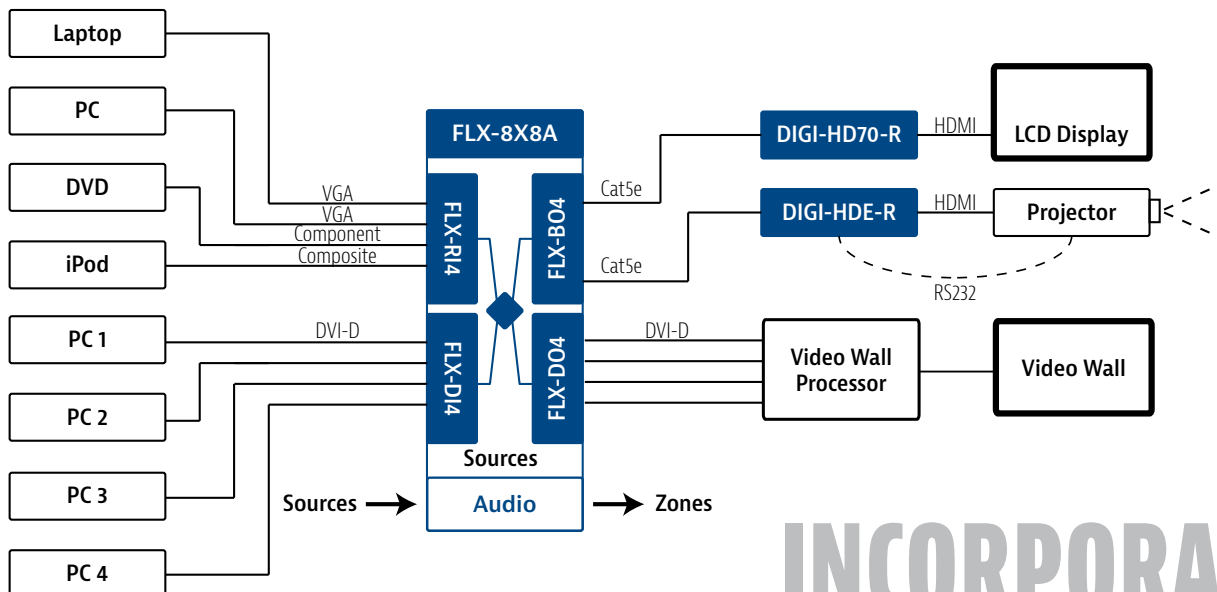
The system receives and transmits traditional HDMI signals, as well as bidirectional, IR and RS232 signals over twisted pair. A separate built-in balanced audio switcher provides audio reinforcement.



**EXTREMELY
VERSATILE**

The Intelix FLX-8X8A can incorporate input scaling through the use of RI4 card scaling & format conversion, providing the integration of composite, component, VGA, & S-video sources into the digital environment.

Plus, DVI input and output cards integrate into a myriad of sources, destination, and applications.



**INCORPORATES
INPUT SCALING**

CARD-BASED MATRIX SWITCHER - 8 INPUT X 8 OUTPUT

FLX-8X8A



Features & Benefits:

- Plug-and-play card-based design
- HDMI, HDBaseT, DVI, VGA, YpPr, S-Video and Composite video input options
- HDMI, HDBaseT, and DVI output options
- Converts and scales analog video inputs
- Any input type to any output type
- 200ms average switching time
- Front panel, RS232, IR and ethernet control
- Built-in audio switching with audio-follow-video or audio breakaway
- 3D compatible

Specifications:

- Analog audio Input: balanced or unbalanced high-fidelity audio
- Analog audio connectors: 5 pole phoenix
- Input Card Slots: two
- Output Card Slots: two
- Control: Front panel, IR and RS232
- Mounting: Rack mountable



HDBASET OUTPUT CARD FLX-BO4



Features:

- Four HDBaseT RJ45 outputs
- Compatible with Intelix DIGI-HD70-R and DIGI-HDE-R receivers
- Includes embedded IR and RS232 transmission

Specifications:

- Control input: Bi-directional wideband IR and bi-directional RS232
- Control connectors: IR (dual 3.5mm) and RS232 (phoenix)
- Control output: four RJ45s
- Video output: four RJ45s
- Max distance: 230 feet @ 1080p

HDBASET INPUT CARD FLX-BI4



Features:

- Four HDBaseT RJ45 inputs
- Compatible with Intelix DIGI-HD70-S and DIGI-HDE-S transmitters
- Includes embedded IR and RS232 transmission

Specifications:

- Control output: Bi-directional wideband IR and bi-directional RS232
- Control connectors: IR (dual 3.5mm) and RS232 (phoenix)
- Video input: four RJ45s
- Max distance: 230 feet @ 1080p

ANALOG INPUT CARD FLX-RI4



Features:

- VGA input card for FLX-8X8A
- Four VGA inputs
- Supported signal types: VGA-UXGA, RGBHV, RGBS, RGB, RsGsBs, Component Video, S-Video and Composite Video
- Scaling output resolutions: XGA, WXGA, 720p and 1080p

Specifications:

- Designed for use with FLX-8X8A
- Analog video scaling card

HDMI OUTPUT CARD FLX-HO4



Features:

- Four HDMI outputs
- Locking screw poles

Specifications:

- Video output: four HDMI

HDMI INPUT CARD FLX-HI4



Features:

- Four HDMI inputs
- Locking screw poles

Specifications:

- Video input: four HDMI

DVI-D OUTPUT CARD FLX-DO4



Features:

- Four DVI-D outputs

Specifications:

- Video output: four DVI-D

DVI-D INPUT CARD FLX-DI4



Features:

- Four DVI-D inputs
- Actively buffered EDID and DDC

Specifications:

- Video input: four DVI-D

DID YOU KNOW?

Complete and up-to-date technical specs, resources, white papers and training videos are available at www.Intelix.com



INTELIX HDBASET HDMI TRANSMITTER

DIGI-HD70-S



FRONT VIEW



REAR VIEW

Features & Benefits:

- 230 feet @ 1080p
- 130 feet @ 4kx2k or with 3D
- EDID pass-through
- CEC

Specifications:

- Mounting: Pole, wall, under table, or rack with Intelix DIGI-PMK1
- Power: 5VDC/2A at send and receive
- ESD Protection: 15kV
- Dimensions: 4.33 in. x 2.99 in. x 0.95 in.
- Audio: Up to PCM 8 channel, Dolby Digital TrueHD, and DTS-HD Master Audio
- Enclosure: Steel

INTELIX HDBASET HDMI RECEIVER

DIGI-HD70-R



FRONT VIEW



REAR VIEW

Features & Benefits:

- 230 feet @ 1080p
- 130 feet @ 4kx2k or with 3D
- EDID pass-through
- CEC

Specifications:

- Mounting: Pole, wall, under table, or rack with Intelix DIGI-PMK1
- Power: 5VDC/2A at send and receive
- ESD Protection: 15kV
- Dimensions: 4.33 in. x 2.99 in. x 0.95 in.
- Audio: Up to PCM 8 channel, Dolby Digital TrueHD, and DTS-HD Master Audio
- Enclosure: Steel

INTELIX HDBASET HDMI, IR, RS232 AND ETHERNET TRANSMITTER

DIGI-HDE-S



FRONT VIEW



REAR VIEW

Features & Benefits:

- 330 feet @ 1080p
- 330 feet @ 4kx2k or with 3D
- EDID pass-through
- CEC

Specifications:

- Mounting: Includes mounting wings
- RS232: Bi-directional with DE9
- IR: Bi-directional with 3.5mm
- Ethernet: 100BaseT with shielded RJ45
- Power: 5VDC/2A at send and receive
- ESD Protection: 16kV
- Dimensions: 4.85 in. x 4.18 in. x 0.91 in.
- Audio: Up to PCM 8 channel, Dolby Digital TrueHD, and DTS-HD Master Audio
- Enclosure: Steel

INTELIX HDBASET HDMI, IR, RS232 AND ETHERNET RECEIVER

DIGI-HDE-R



FRONT VIEW



REAR VIEW

Features & Benefits:

- 330 feet @ 1080p
- 330 feet @ 4kx2k or with 3D
- EDID pass-through
- CEC

Specifications:

- Mounting: Includes mounting wings
- RS232: Bi-directional with DE9
- IR: Bi-directional with 3.5mm
- Ethernet: 100BaseT with shielded RJ45
- Power: 5VDC/2A at send and receive
- ESD Protection: 16kV
- Dimensions: 4.85 in. x 4.18 in. x 0.91 in.
- Audio: Up to PCM 8 channel, Dolby Digital TrueHD, and DTS-HD Master Audio
- Enclosure: Steel

UNIVERSAL MOUNTING BRACKET

Designed with Multiple Patterns and Holes for Flexibility in Mounting



The Intelix **DIGI-PMK1** is an ideal accessory for mounting DIGI-HD70 extenders, as well as a variety of other Intelix products. The convenient design provides snap-in security and can be mounted to a variety of surfaces, including racks, walls, poles, under tables and countertops, and to the rear of displays.



Example of device in bracket



Side view of device in bracket



Quick device insertion and release



Scan to go directly to video

DIGI-PMK1

Features and Benefits

- VESA75 mounting pattern
- Unbreakable molded plastic
- Snap-in securing and release
- 10 per box

Applications

- For Intelix 110x75 chassis device mounting on poles, walls, racks, TVs and VESA75
- Fits Intelix DIGI and AVO devices:
DIGI-HD70-S, DIGI-HD70-R, DIGI-HD60C-S, DIGI-HD60C-R,
AVO-VGA-S, AVO-VGA-R, DIGI-HD-IR3-S, DIGI-HD-IR3-R

Tech Specs

PART NUMBER

DIGI-PMK1

COMPATIBLE DEVICES

DIGI-HD70-S, DIGI-HD70-R, DIGI-HD60C-S, DIGI-HD60C-R, AVO-VGA-S, AVO-VGA-R, DIGI-HD-IR3-S, DIGI-HD-IR3-R

MATERIAL

ABS Plastic – Gloss Black

DIMENSIONS (WITHOUT DEVICE)

110.5mm (H) x 75.6mm (W) x 21mm (D)
(4-5/16" x 3-1/8" x 7/8")

DIMENSIONS (WITH DEVICE)

110.5mm (H) x 75.6mm (W) x 21mm (D)
(4-5/16" x 3-1/8" x 1-1/4")

SHIPPING WEIGHT

1lbs. (0.45kg) (Box of [10] DIGI-PMK1)

WHAT'S IN THE BOX

(1) DIGI-PMK1 (hardware not included)



USING DIGI-PMK1 TO MOUNT
A DEVICE TO A POLE



USING DIGI-PMK1 TO MOUNT
A DEVICE TO A RACK



USING DIGI-PMK1 TO MOUNT
A DEVICE TO A WALL



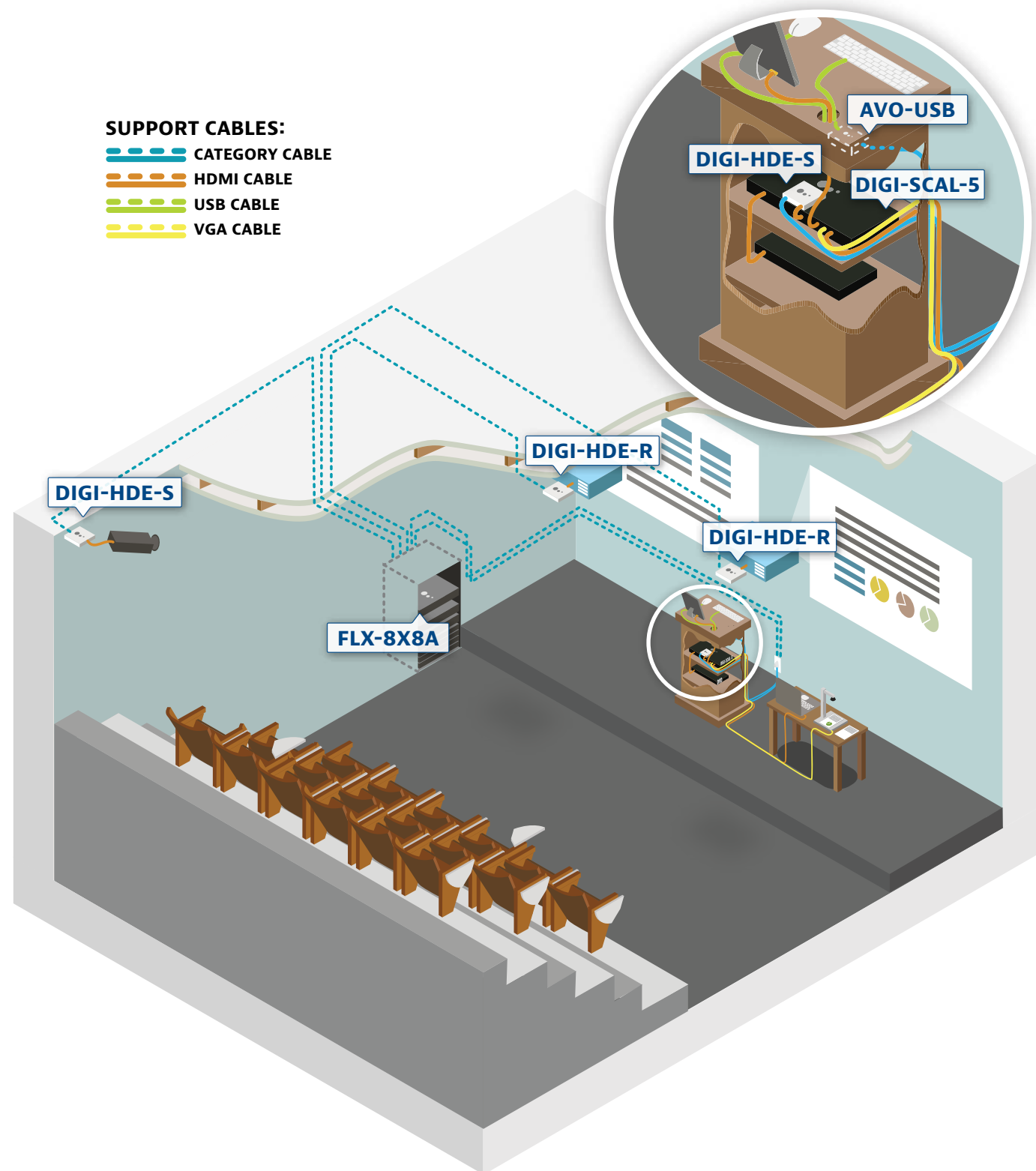
USING DIGI-PMK1 TO MOUNT A DEVICE
TO A TELEVISION



Lecture Hall / Public Speaking

Intelix products are ideal for higher education applications, including classrooms, auditoriums, learning labs, and lecture halls. The below drawing shows a common installation integrating both analog and digital equipment. Audio-visual sources are connected to an Intelix DIGI-SCAL-5 located in a podium, which

is connected to an Intelix FLX-8X8A switcher via a DIGI-HDE extender set. The FLX-8X8A provides for greater signal distribution, including output routing to projectors and overflow rooms. An Intelix AVO-USB extender completes the system by routing keyboard and mouse signals from the podium to a remote PC.



PLUG-AND-PLAY CARD-BASED DIGITAL MATRIX SWITCHER



FLX-8X8A

- HDMI, HDBaseT, DVI, VGA, YPbPr, S-Video and composite video input options
- HDMI, HDBaseT, and DVI output options
- Any input type to any output type
- 200ms average switching time
- Front panel, RS232, IR and Ethernet control
- Built-in audio switching with audio-follow-video or audio breakaway
- 3D and 4Kx2K compatible

Perfect For:

- True matrix switching of multiple signal types

CONVERT, SCALE, AND SWITCH AV SIGNALS



DIGI-SCAL-5

- HDMI, VGA, YPbPr, S-Video, and Composite inputs
- HDMI and SPDIF outputs
- Front panel, IR, and RS232 control
- VESA and HDTV output resolutions
- Adjustable audio and video equalization and processing

Perfect For:

- Converting, scaling, and switching audio-visual inputs

HDBASET HDMI AND CONTROL EXTENDER - RECEIVER & SENDER



DIGI-HDE-S & DIGI-HDE-R

- Maximum video compatibility: Deep color 48/36/30/24 bit at 1080p, 3D and 4K X 2K
- Audio compatibility: Up to 8 channel, Dolby Digital True HD and DTS-HD
- EDID and HDCP compliant
- Static and surge resistant to 16KV+

Perfect For:

- Extending HDMI, 100BaseT Ethernet, bidirectional wide-band IR, bidirectional RS232 up to 100m (328 feet) over one twisted pair Cat5e/6 shielded or unshielded cable

EXTEND USB OVER TWISTED PAIR



AVO-USB

- 12 Mbps full-speed USB up to 100 feet
- 1.5 Mbps standard speed USB up to 330 feet
- No external power required
- Convenient connector dangle
- Plug-and-play; no software required

Perfect For:

- Interactive white boards and remote USB peripherals

DID YOU KNOW?

Our exclusive **Cool Spool System®** reel box and hand truck means tangle-free pulls and total control! Tension-control side knobs eliminates tangles and wasted cable while our custom-designed hand truck with extended toe option converts from a dolly to a full-sized transportation cart in seconds.



Liberty WIRE & CABLE SUPPORT CABLE

CATEGORY 5E F/UTP EN SERIES 24 AWG 4 PAIR SHIELDED CABLE



24-4P-L5SH-EN

- Horizontal LAN 10/100/1000BaseT ethernet
- Audio, video, infrared, IP control
- Balun infrastructure, voice, voice over IP
- PoE, HDBaseT, analog and digital media

Liberty WIRE & CABLE SUPPORT CABLE

HDMI® HIGH SPEED WITH ETHERNET CABLE



E-HDSEM-M

- HDMI digital multimedia device interconnection
- Rack patching HDMI equipment
- Inter and Intra device Interconnection

Liberty WIRE & CABLE SUPPORT CABLE

VGA MALE + 3.5 MM AUDIO MOLDED PRE-MADE CABLE



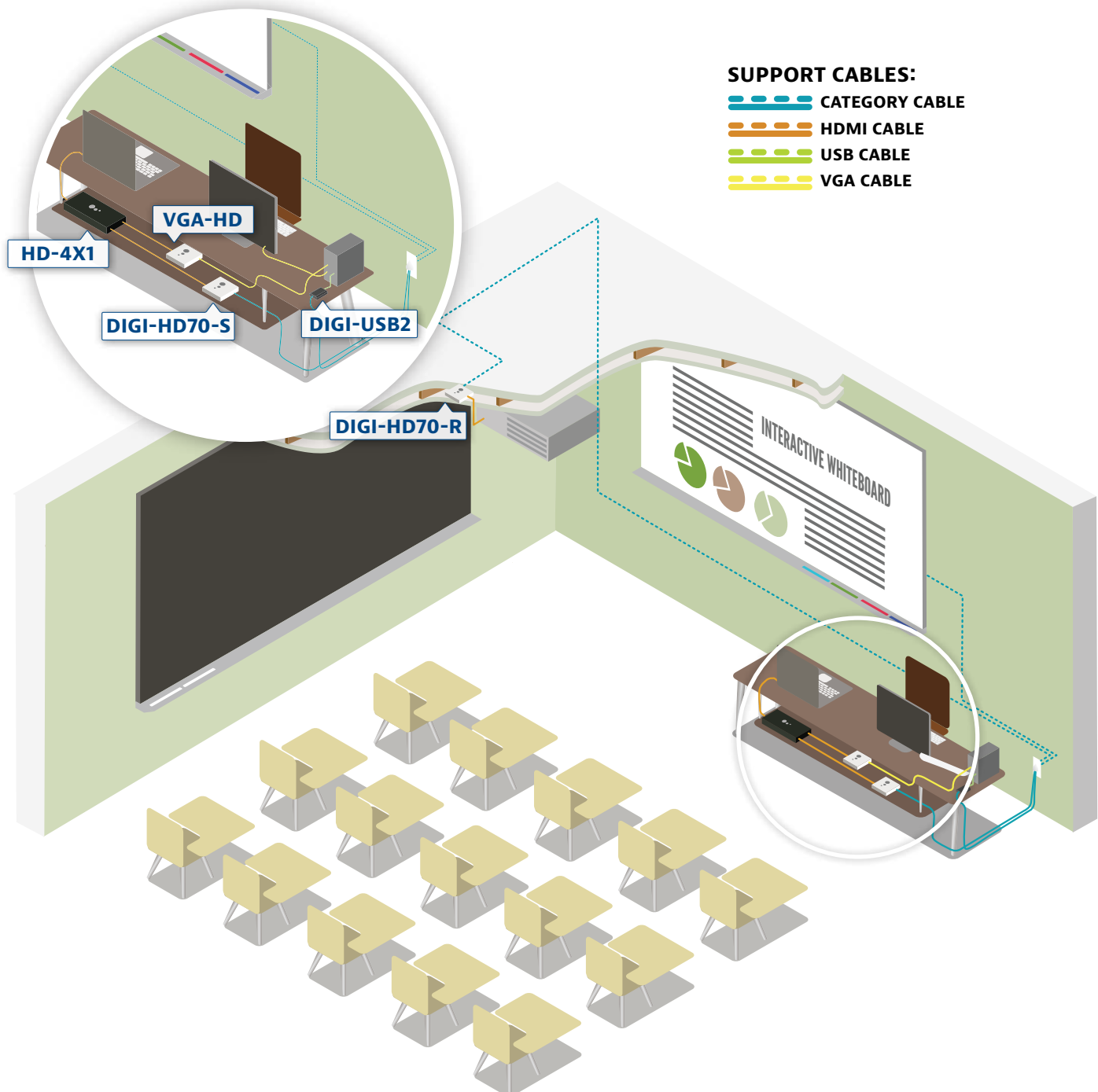
E-VGAMAM-M

- RGBHV video w/ audio, VGA 640x480 up to WUXGA 1920x1200
- In-wall routing of RGBHV video in non-plenum installations
- Inter and intra device interconnection

Classroom

Intelix products are ideal for K-12 education applications, including classrooms, auditoriums, learning labs, and multimedia rooms. The below drawing shows a common installation in a classroom. The focal point of the room is the interactive whiteboard, which is connected to a remote PC via an Intelix DIGI-USB2 high-speed extender.

Video from a laptop and a PC are switched through an Intelix HD-4X1, and the output is transmitted to a projector via an Intelix DIGI-HD70 extender set. Older analog equipment, such as a PC with a VGA output, are integrated into the system through an Intelix VGA-HD converter.



EXTEND USB OVER TWISTED PAIR



DIGI-USB2

- 1.5, 12 and 480 Mbps USB up to 330 feet
- Powered at either send or receive
- Provides 5V power to connected devices
- Plug-and-play; no software required

Perfect For:

- Interactive white boards, video cameras, and remote USB peripherals

SWITCH FOUR HDMI INPUTS TO A SINGLE HDMI OUTPUT



HD-4X1

- 4x1 HDMI switching
- Front panel, IR, and RS232 control
- Audio Return Channel De-embedding
- Supports HD & VESA resolutions up to 1080p/1920x1200
- CEC compatible

Perfect For:

- Switching between four HDMI sources at a single HDMI display

CONVERT VGA AND STEREO AUDIO TO HDMI



VGA-HD

- Maintains native computer resolutions and aspect ratios for pristine video
- Built-in EDID presets
- Dynamic EDID pass-through
- Diagnostic LEDs
- Pole and under table mountable with DIGI-PMK1

Perfect For:

- Connecting computers to projectors and displays

HDBASET HDMI VIDEO & AUDIO EXTENDER - RECEIVER & SENDER



DIGI-HD70-R & DIGI-HD70-S

- 3D and 4K x 2K up to 40 meters (131 feet over one twisted pair cable)
- EDID pass through
- Audio compatibility: Up to 8 channel, Dolby Digital True HD and DTS-HD
- HDMI and HDCP compliant

Perfect For:

- Extending 1080p and multichannel audio signals up to 70 meters (229 feet over one twisted pair cable)

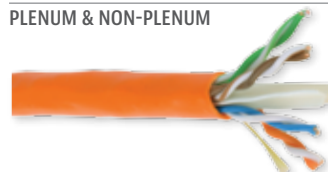


DID YOU KNOW?

Our custom kitting services streamlines your installs, saving you time & money. Call for details at 800-530-8998

Liberty WIRE & CABLE SUPPORT CABLE

**CATEGORY 6 U/UTP EN SERIES
23 AWG 4 PAIR UNSHIELDED CABLE
PLENUM & NON-PLENUM**



24-4P-L6-EN

- Non-plenum horizontal LAN 10/100/1000BaseT Networking
- Balun infrastructure, voice, voice over IP cabling
- Video, audio, InfraRed, IP control
- PoE, HDBaseT, analog and digital multimedia

Liberty WIRE & CABLE SUPPORT CABLE

**HDMI® HIGH SPEED WITH
ETHERNET CABLE**



E-HDSEM-M

- HDMI digital multimedia device interconnection
- Rack patching HDMI equipment
- Inter and Intra device Interconnection

Liberty WIRE & CABLE SUPPORT CABLE

**VGA MALE + 3.5 MM AUDIO MOLDED
PRE-MADE CABLE**



E-VGAMAM-M

- RGBHV video w/ audio, VGA 640x480 up to WUXGA 1920x1200
- In-wall routing of RGBHV video in non-plenum installations
- Inter and intra device interconnection

Liberty WIRE & CABLE SUPPORT CABLE

**MICRO EDID VGA+AUDIO MOLDED
PRE-MADE CABLE**



E-MVGAMAM-M

- RGBHV video with audio, VGA 640x480 up to WUXGA 1920x1200
- Tabletop RGBHV with audio interface for PC's/Laptops
- Inter and intra device interconnection

Liberty WIRE & CABLE SUPPORT CABLE

USB 2.0 A TO B MOLDED CABLE



E-USBAB

- USB interconnection between host and device
- Not to exceed 16.5 feet without active extensions
- Use of a powered hub can extend beyond the 16.5 foot limit

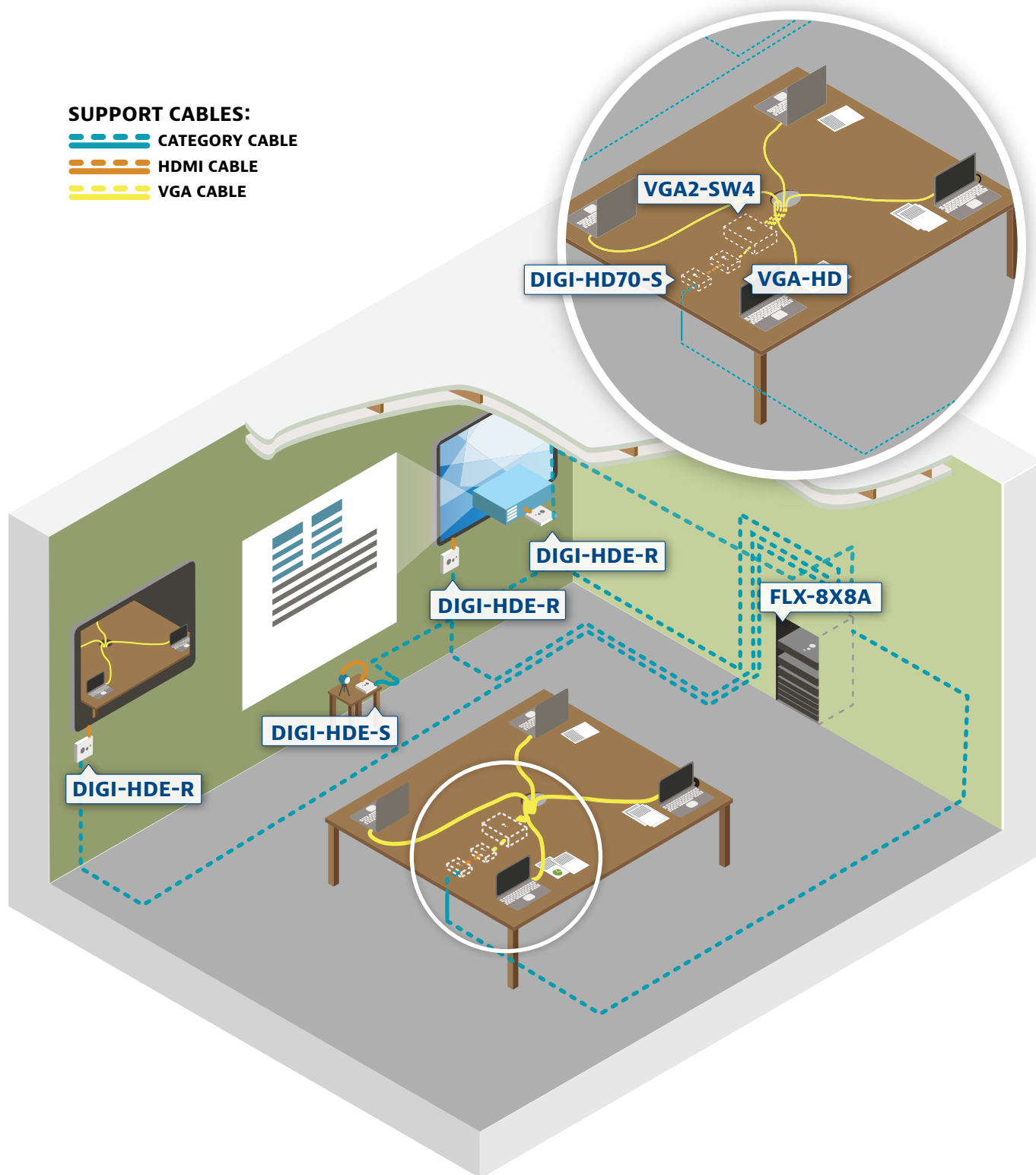
Corporate Boardroom

Intelix products are ideal for corporate applications, including boardrooms, meeting rooms, training rooms, conference rooms, and lobbies. The below drawing shows a boardroom with four PCs connected to an Intelix VGA2-SW4 switcher, the output of which is

converted to HDMI via an Intelix VGA-HD and then distributed to a remote FLX-8X8A switcher. The FLX-8X8A manages all of the audio-visual inputs and outputs, including the video from a camera and the remote LCDs and projectors.

SUPPORT CABLES:

-  CATEGORY CABLE
-  HDMI CABLE
-  VGA CABLE



PLUG-AND-PLAY CARD-BASED DIGITAL MATRIX SWITCHER



FLX-8X8A

- HDMI, HDBaseT, DVI, VGA, YPbPr, S-Video and composite video input options
- HDMI, HDBaseT, and DVI output options
- Any input type to any output type
- 200ms average switching time
- Front panel, RS232, IR and Ethernet control
- Built-in audio switching with audio-follow-video or audio breakaway
- 3D compatible

Perfect For:

- True matrix switching of multiple signal types

VGA AND STEREO AUDIO SWITCHER - 4 INPUT X 1 OUTPUT



VGA2-SW4

- Allows up to 4 total RGB, component video, and stereo audio signals to be switched on one destination device
- Can be controlled via front panel IR or RS232
- Supports several resolutions up to 1080p and WUXGA
- Switch between four VGA or component video sources

Perfect For:

- Corporate facilities, churches, schools, conference centers and any other facility requiring RGB and component video source switching capabilities

Liberty WIRE & CABLE SUPPORT CABLE

CATEGORY 6 F/UTP EN SERIES 23 AWG 4 PAIR SHIELDED CABLE



24-4P-L6SH

- Non-plenum horizontal LAN 10/100/1000BaseT networking
- Balun infrastructure, voice, voice over IP cabling
- Video, audio, InfraRed, IP Control
- PoE, HDBaseT, analog and digital multimedia

HDBASET HDMI AND CONTROL EXTENDER - RECEIVER & SENDER



DIGI-HDE-S & DIGI-HDE-R

- Maximum video compatibility: Deep color 48/36/30/24 bit at 1080p, 3D and 4K X 2K
- Audio compatibility: Up to 8 channel, Dolby Digital True HD and DTS-HD
- EDID and HDCP compliant
- Static and surge resistant to 16KV+

Perfect For:

- Extending HDMI, 100BaseT Ethernet, bidirectional wide-band IR, bidirectional RS232 up to 100m (328 feet) over one twisted pair Cat5e/6 shielded or unshielded cable

CONVERT VGA AND STEREO AUDIO TO HDMI



VGA-HD

- Maintains native computer resolutions and aspect ratios for pristine video
- Built-in EDID presets
- Dynamic EDID pass-through
- Diagnostic LEDs
- Pole and under table mountable with DIGI-PMK1

Perfect For:

- Connecting computers to projectors and displays

HDBASET HDMI EXTENDER - RECEIVER & SENDER



DIGI-HD70-R & DIGI-HD70-S

- 3D and 4K x 2K up to 40 meters (131 feet over one twisted pair cable)
- EDID pass through
- Audio compatibility: Up to 8 channel, Dolby Digital True HD and DTS-HD
- HDMI and HDCP compliant

Perfect For:

- Extending 1080p and multichannel audio signals up to 70 meters (229 feet over one twisted pair cable)

DID YOU KNOW?

You can convert VGA to HDMI, keep the resolution native and the image pristine with our VGA-HD!



Liberty WIRE & CABLE SUPPORT CABLE

VGA MALE + 3.5 MM AUDIO MOLDED PRE-MADE CABLE



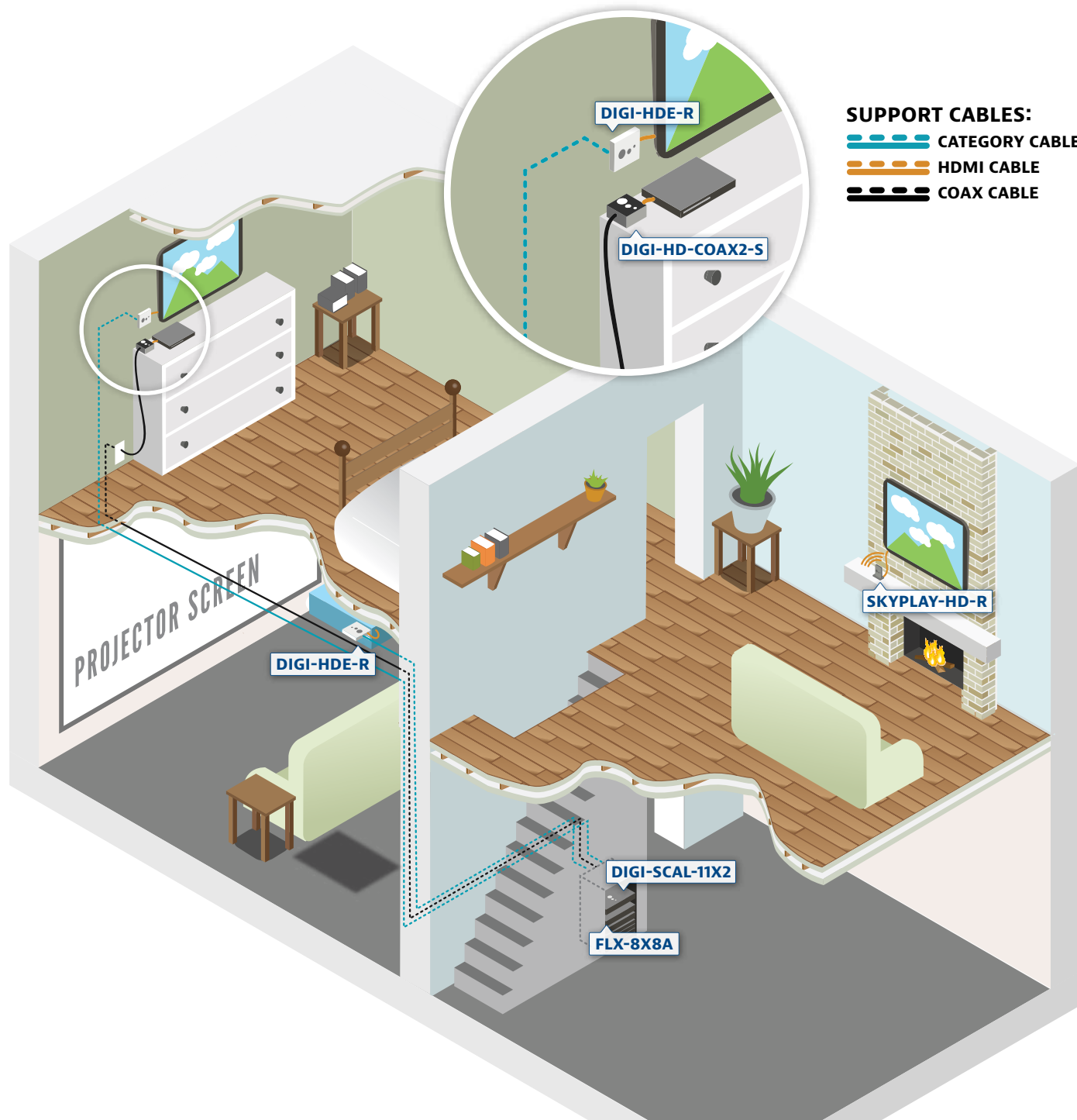
E-VGAMAM-M

- RGBHV video w/ audio, VGA 640x480 up to WUXGA 1920x1200
- In-wall routing of RGBHV video in non-plenum installations
- Inter and intra device interconnection

Whole House Distribution

Intelix products are ideal for residential applications, including whole house audio/video distribution and home theaters. Typically several different types of technology are deployed in the home, especially in retrofit applications where existing cable is present. Intelix DIGI-HD-COAX2 extenders leverage RG59 and RG6 cable to transmit HDMI,

and Intelix SKYPLAY-HD extenders provide for wireless distribution. A centrally located switcher/scaler, such as the Intelix DIGI-SCAL-11X2, consolidates analog and digital sources and provides a high-definition digital output, and an Intelix FLX-8X8A matrix distributes the signals throughout the house via twisted pair and DIGI-HDE extenders.



PLUG-AND-PLAY CARD-BASED DIGITAL MATRIX SWITCHER



FLX-8X8A

- HDMI, HDBaseT, DVI, VGA, YPbPr, S-Video and composite video input options
- HDMI, HDBaseT, and DVI output options
- Any input type to any output type
- 200ms average switching time
- Front panel, RS232, IR and Ethernet control
- Built-in audio switching with audio-follow-video or audio breakaway
- 3D compatible

Perfect For:

- Distributing digital signals throughout the house.

CONVERT, SCALE, AND SWITCH AV SIGNALS



DIGI-SCAL-11X2

- HDMI, DVI, VGA, YPbPr, S-Video, and Composite inputs
- Dual HDMI outputs
- Output analog audio de-embedding
- Front panel, IR, and RS232 control
- 16x9, 720p and 1080p output resolutions

Perfect For:

- Integrating older analog equipment into a digital system.

HDBASET HDMI AND CONTROL EXTENDER - RECEIVER & SENDER



DIGI-HDE-S & DIGI-HDE-R

- Maximum video compatibility: Deep color 48/36/30/24 bit at 1080p, 3D and 4K X 2K
- Audio compatibility: Up to 8 channel, Dolby Digital True HD and DTS-HD
- EDID and HDCP compliant
- Static and surge resistant to 16KV+

Perfect For:

- Extending HDMI, 100BaseT Ethernet, bidirectional wide-band IR, bidirectional RS232 up to 100m (328 feet) over one twisted pair Cat5e/6 shielded or unshielded cable

WIRELESS HDMI EXTENSION AND DISTRIBUTION



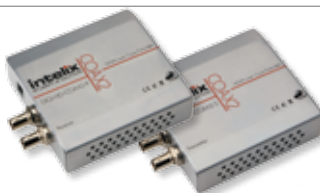
SKYPLAY-HD-R

- Wireless 1080p HDMI transmission up to 100 feet
- Supports audio and video
- Transmission direct and through framed construction
- Less than one frame rate latency
- Up to 20 receivers per transmitter

Perfect For:

- Extending and splitting HDMI signals in areas where pulling cable is difficult

EXTEND HDMI OVER RG6 AND RG59



DIGI-HD-COAX2

- 1080p up to 300 feet
- 1080i and 720p up to 650 feet
- Analog stereo and PCM 5.1/7.1 audio support
- Up to 14 receivers per transmitter
- Secure BNC connectors

Perfect For:

- Leveraging existing coax infrastructures for HDMI distribution

DID YOU KNOW?

We offer technical assistance on any of our products or applications you can call us at **800-530-8998** or email: **intelix@intelix.com**



Liberty WIRE & CABLE SUPPORT CABLE

CATEGORY 5E F/UTP EN SERIES 24 AWG 4 PAIR SHIELDED CABLE



24-4P-L5SH-EN

- Horizontal LAN 10/100/1000BaseT ethernet
- Audio, video, infrared, IP control
- Balun infrastructure, voice, voice over IP
- PoE, HDBaseT, analog and digital media

Liberty WIRE & CABLE SUPPORT CABLE

HDMI® HIGH SPEED WITH ETHERNET CABLE



E-HDSEM-M

- HDMI Digital Multimedia Device Interconnection
- Rack patching HDMI equipment
- Inter and Intra device Interconnection.

Liberty WIRE & CABLE SUPPORT CABLE

CATV/MATV/DBS COAXIAL CABLE



RG6-CM






- CATV / MATV / Cable Modem
- Direct Broadcast Satellite (DBS) without DC requirements
- RF Modulated Video distribution

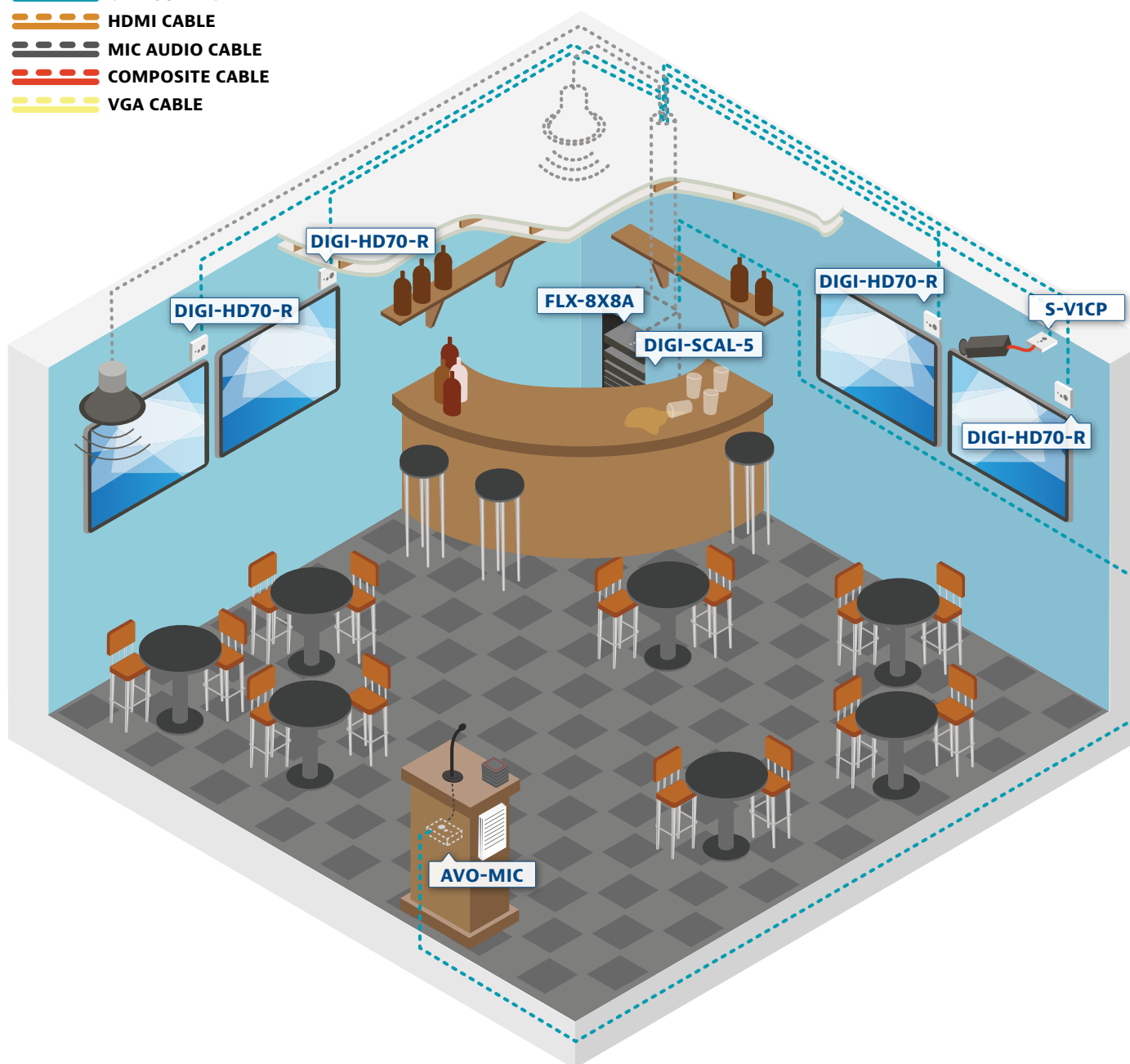
Restaurant & Bar / Hospitality

Intelix products are ideal for hospitality applications, including restaurant and bars, hotels, conference and convention centers. The most common installation is in restaurant and bars, which require both audio and video reinforcement. Today, the vast majority of installations require high definition content for high definition displays—the Intelix DIGI-SCAL-5 is ideal in that it serves as both a source switcher and video scaler.

The DIGI-SCAL-5 allows older analog sources, such as satellite receivers and CCTV cameras, to be integrated in the HD network. These signals are then routed through the facility via an Intelix FLX-8X8A and DIGI-HD70-R receivers. An Intelix AVO-MIC completes the installation by providing paging microphone extension and preamplification, and an Intelix S-V1CP integrates and extends the security cameras.

SUPPORT CABLES:

-  CATEGORY CABLE
-  HDMI CABLE
-  MIC AUDIO CABLE
-  COMPOSITE CABLE
-  VGA CABLE



PLUG-AND-PLAY CARD-BASED DIGITAL MATRIX SWITCHER



FLX-8X8A

- HDMI, HDBaseT, DVI, VGA, YPbPr, S-Video and composite video input options
- HDMI, HDBaseT, and DVI output options
- Any input type to any output type
- 200ms average switching time
- Front panel, RS232, IR and Ethernet control
- Built-in audio switching with audio-follow-video or audio breakaway
- 3D compatible

Perfect For:

- Switching and extending high definition signals throughout the facility

CONVERT, SCALE, AND SWITCH AV SIGNALS



DIGI-SCAL-5

- HDMI, VGA, YPbPr, S-Video, and Composite inputs
- HDMI and SPDIF outputs
- Front panel, IR, and RS232 control
- 16x9, 16x10, 480i/p, 576 i/p, 720p and 1080i/p output resolutions
- Adjustable audio and video equalization and processing

Perfect For:

- Converting analog sources to high definition HDMI

EXTEND MICROPHONE AUDIO OVER TWISTED PAIR



AVO-MIC

- High-fidelity audio up to 2,500 feet
- 24V phantom power
- 0 - 60 dB adjustable preamplification
- Power on send or receive end
- Modular and wallplate models
- Mic or line level output

Perfect For:

- Remote microphones and audio sources

EXTEND CCTV CAMERA VIDEO, POWER AND CONTROL



S-V1CP

- Video, control, and power over a single cable
- Paralleled male and female DIN power connectors
- Video up to 1,000 feet passively
- Power up to 650 feet
- Supports "up-the-coax" PTZ control signals
- Used in pairs

Perfect For:

- Transmits/receives composite video, control, and power up to 1,000 feet

HDBASET HDMI VIDEO & AUDIO EXTENDER - RECEIVER & SENDER



DIGI-HD70-S & DIGI-HD70-S

- 3D and 4K x 2K up to 40 meters (131 feet over one twisted pair cable)
- EDID pass through
- Audio compatibility: Up to 8 channel, Dolby Digital True HD and DTS-HD
- HDMI and HDCP compliant

Perfect For:

- Extending 1080p and multichannel audio signals up to 70 meters (229 feet over one twisted pair cable)

DID YOU KNOW?

Liberty offers a full line of quality connectors and bulk cable for your professional installation. Call 800-530-8998 for details or check us out at www.LibAV.com



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E-HDSEM-M

- HDMI digital multimedia device interconnection
- Rack patching HDMI equipment
- Inter and Intra device Interconnection

Liberty WIRE & CABLE SUPPORT CABLE

EZ-STRIP BROADCAST AUDIO 22 AWG 1 PAIR SHIELDED CABLE



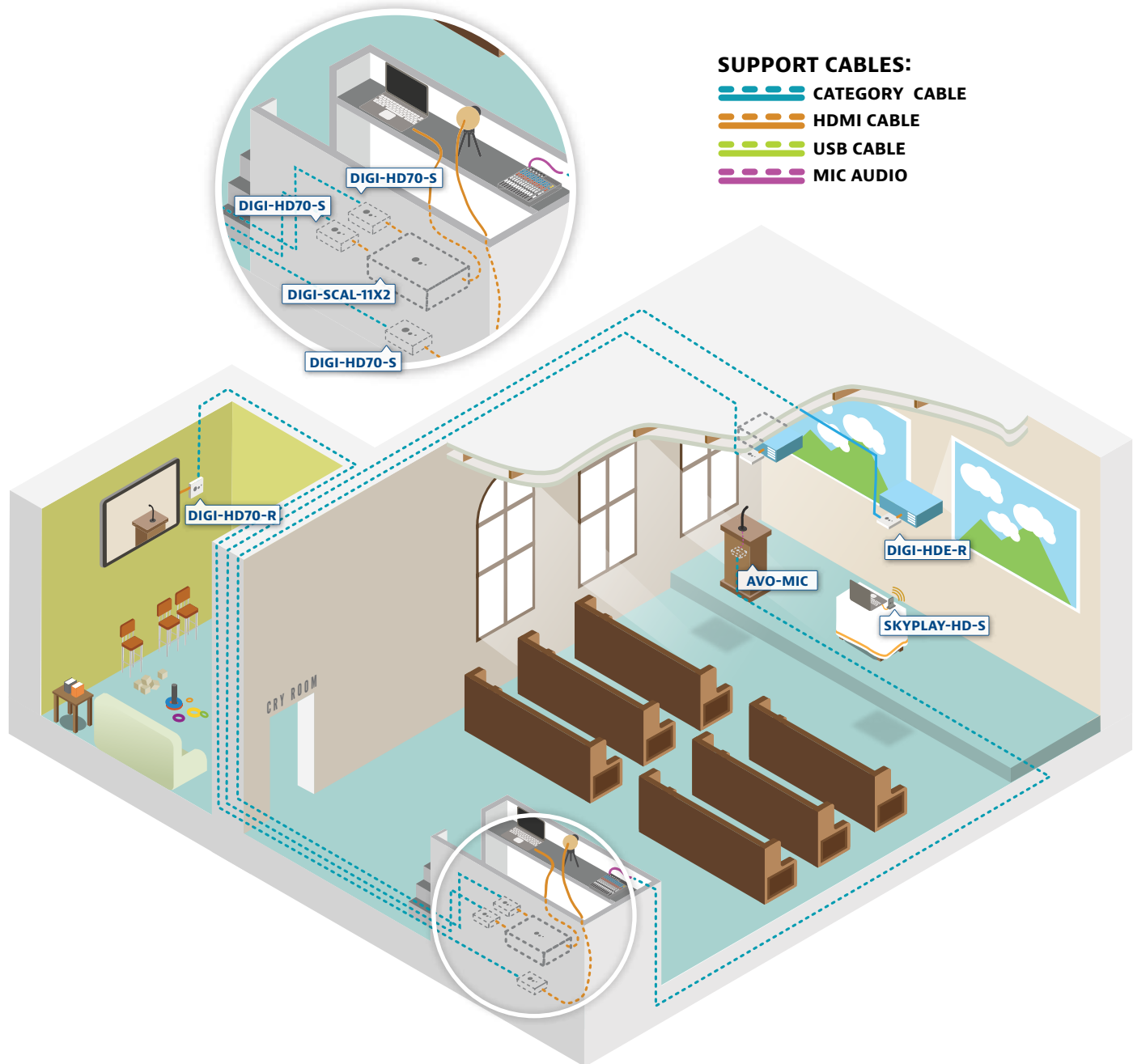
22-1P-EZ

- Line level, microphone audio
- Balanced and unbalanced audio formats
- Infrared (IR), RS-232C signaling
- Instrumentation and control

House of Worship

Intelix products are ideal for house of worship applications, including sanctuary and overflow audio/video distribution. Switchers, such as the Intelix DIGI-SCAL-11X2, are ideal in these applications in that they provide both source switching between analog and digital inputs and also convert the signals

to high definition HDMI. Extenders, including both wired twisted pair and wireless SKYPLAY-HD, route signals throughout the facility. An Intelix AVO-MIC completes the installation by providing microphone preamplification and extension from the front of house to the mixing station in the rear.



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- Power on send or receive end
- Modular and wallplate models
- Mic or line level output

Perfect For:

- Remote microphones and audio sources

DID YOU KNOW?

Liberty offers a wide range of plenum and non-plenum HDMI cables to fit any type of installation and budget, including patented locking retention & our HD Termination System.



Liberty WIRE & CABLE SUPPORT CABLE

EZ-STRIP BROADCAST AUDIO 22 AWG 1 PAIR SHIELDED CABLE



22-1P-EZ

- Line level, microphone audio
- Balanced and unbalanced audio formats
- Infrared (IR), RS-232C signaling
- Instrumentation and control

THE EVOLUTION OF A COMPANY

Intelix

has been manufacturing award-winning technology for more than 20 years. Originally dedicated to the professional audio and live sound markets, Intelix has evolved into a leading provider of commercial install, custom install, digital signage, and video distribution technology. Intelix has merged with Liberty AV Solutions and together their innovative engineering teams continue to deliver technology firsts.

OEM DEVELOPMENT & MANUFACTURING

Intelix's extensive experience and diverse capabilities allow for cutting-edge engineering and scalable manufacturing for both them and their clients.

COMMERCIAL AUDIO

Intelix's rich background in commercial audio set the stage for application-based product development and a deep understanding of serving the audio-visual professional, whether sales engineer, designer, installer or consultant.

COMMERCIAL AUDIO/VIDEO

As the industry evolved, so did Intelix. Today they are one of the few suppliers that understands the function and integration of both audio and video, whether analog or digital.

DIGITAL MEDIA

An early adopter of digital standards, Intelix recognized the advantages and future of digital media. They were the first manufacturer to reliably bring HDMI into the commercial market, and their innovation continues with wireless and LAN-based audio-visual technologies.

RESIDENTIAL AUDIO/VIDEO

Intelix responded to customer requests and introduced the first professional-grade digital distribution solutions to the custom installation audience. Today they continue that innovation through robust product development and complete solutions.



The Liberty Edge

Becoming a formal division of Liberty AV Solutions in 2011, Intelix has become an even more dynamic brand within a broad portfolio of products. For the first time ever, audio-visual professionals have a single partner dedicated to improving their profitability through business and packaged technology solutions.



One Wesco

Liberty and Intelix draw on the strength of their parent company—Wesco International, Inc.—to continue expanding and innovating. A fortune 500 company, Wesco delivers an extensive network of resources and opportunities for their companies and their companies' clients. With Wesco's backing, Intelix brings the future to today.



1984



1985



1986



1993



1994



1995



1998



OEM DEVELOPMENT
& MANUFACTURING



COMMERCIAL
AUDIO



COMMERCIAL
AUDIO/VIDEO





THE LIBERTY EDGE - RUN WITH US!

Get The Edge

Leverage our services as an extension of your workforce! Your business needs a competitive edge, and that's where we come in. Consolidate purchases, save time, labor and improve your profitability by putting the expansive Liberty Edge services to work for you!



VALUE INCENTIVE REBATES

The more you spend the more you save!
Take advantage and get money back

TRY & BUY PROGRAM

Get 20% off on any first time product you want to try

CUSTOM FIBER ASSEMBLIES

Protect intellectual property and save time with custom copper and assemblies

PROJECT STAGING SERVICES

Off-site staging program that palletizes, labels, and ships complete to your site

CUSTOM KITTING

Streamline your installs with a pre-packaged kit of everything you need

REFERENCE TOOLS

Wire schedules, cross reference tools and conduit master fill software

COOL SPOOL SYSTEM®

Our exclusive reel box system allows for transport and tangle-free pulls

CUSTOM CABLE PRINTING

Print your cable with your contact info so the customers remember you

CUSTOM PLATE DESIGN

Print dealer logo and contact info to get advertising and repeat business

LIBERTY INVENTORY SERVICES

On-site consigned inventory management reduces procurement and carrying costs

CUSTOM PLATES PRINTING

Print dealer logo and contact info to get advertising and repeat business

CUSTOM CABLE BUNDLING

Save labor time with custom cable bundling and proprietary part number

CUSTOM CABLE COLORING

Identify cables more easily to increase efficiency and make installs easier

CONTRACT BILLING

Orders are streamlined so you have less costs and fewer headaches

CUSTOM CABLE CUTTING

Save labor time by getting cable pre-cut to any length.

LEARNING CENTER

Product training videos are available at www.LibAV.com

PRO TERMINATION TOOLS

Our termination tools are proven to save almost 2/3rds of your time

THE EDGE ONLINE

Our leading-edge website provides fast quoting, ordering, history, & more



2004

intelix
DIGITAL & ANALOG DEVICES

2005



2007



2010

intelix
DIGITAL & ANALOG DEVICES

LIBERTY
AV SOLUTIONS

2013



**COMPLETE
AUDIO/VIDEO
CONNECTIVITY
SOLUTIONS**



**DIGITAL
VIDEO**



**RESIDENTIAL
AUDIO/VIDEO**



**MERGER WITH
LIBERTY AV SOLUTIONS**





HDMI IS DEAD.

How can we say this?

Because we have seen the future -
and it is **HDBaseT.**

– Audioholics Magazine

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DIGITAL & ANALOG DEVICES



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