DIGI-44B/DIGI-88B MATRIX SWITCHERS
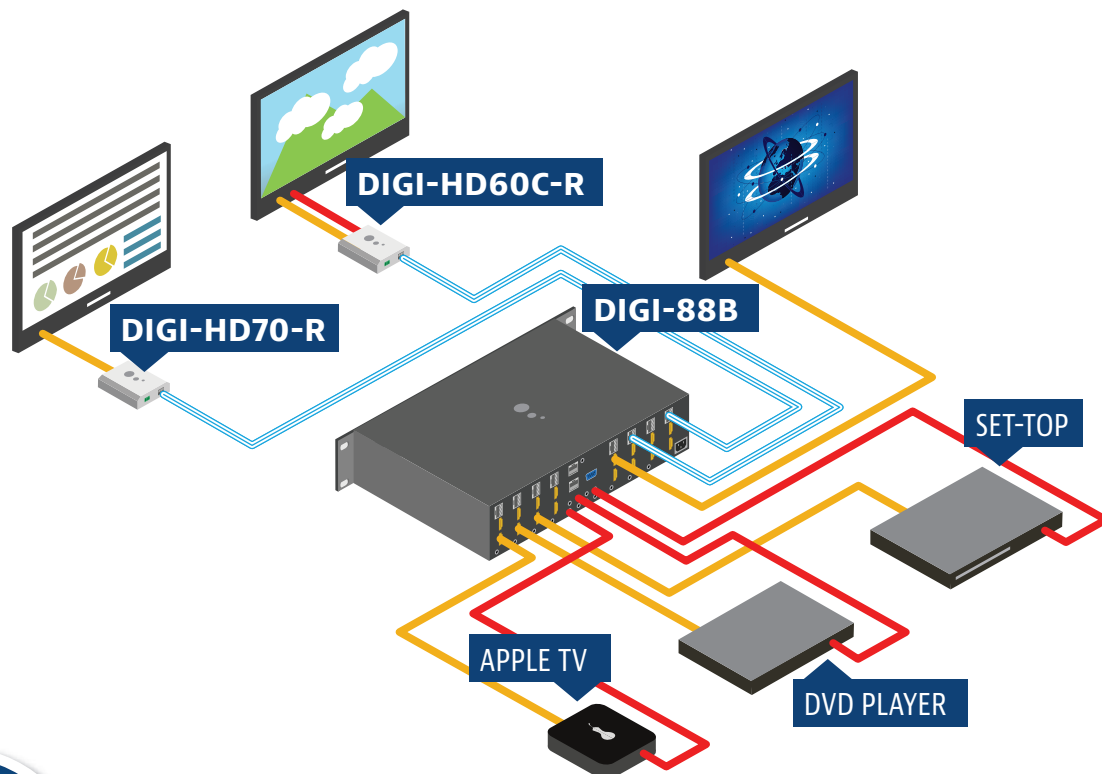
intelix
DIGITAL & ANALOG DEVICES

Intelix **DIGI-44B** and **DIGI-88B** matrix switchers combine Intelix's award winning matrix technology with Valens HDBaseT extender technology. Each unit provides HDMI inputs, HDMI outputs and parallel HDBaseT extender outputs—and both the HDMI and HDBaseT outputs are live simultaneously.

Both models feature redesigned front panels for intuitive monitoring and control, customizable presets, and enhanced control via RS232, IR, and Ethernet.
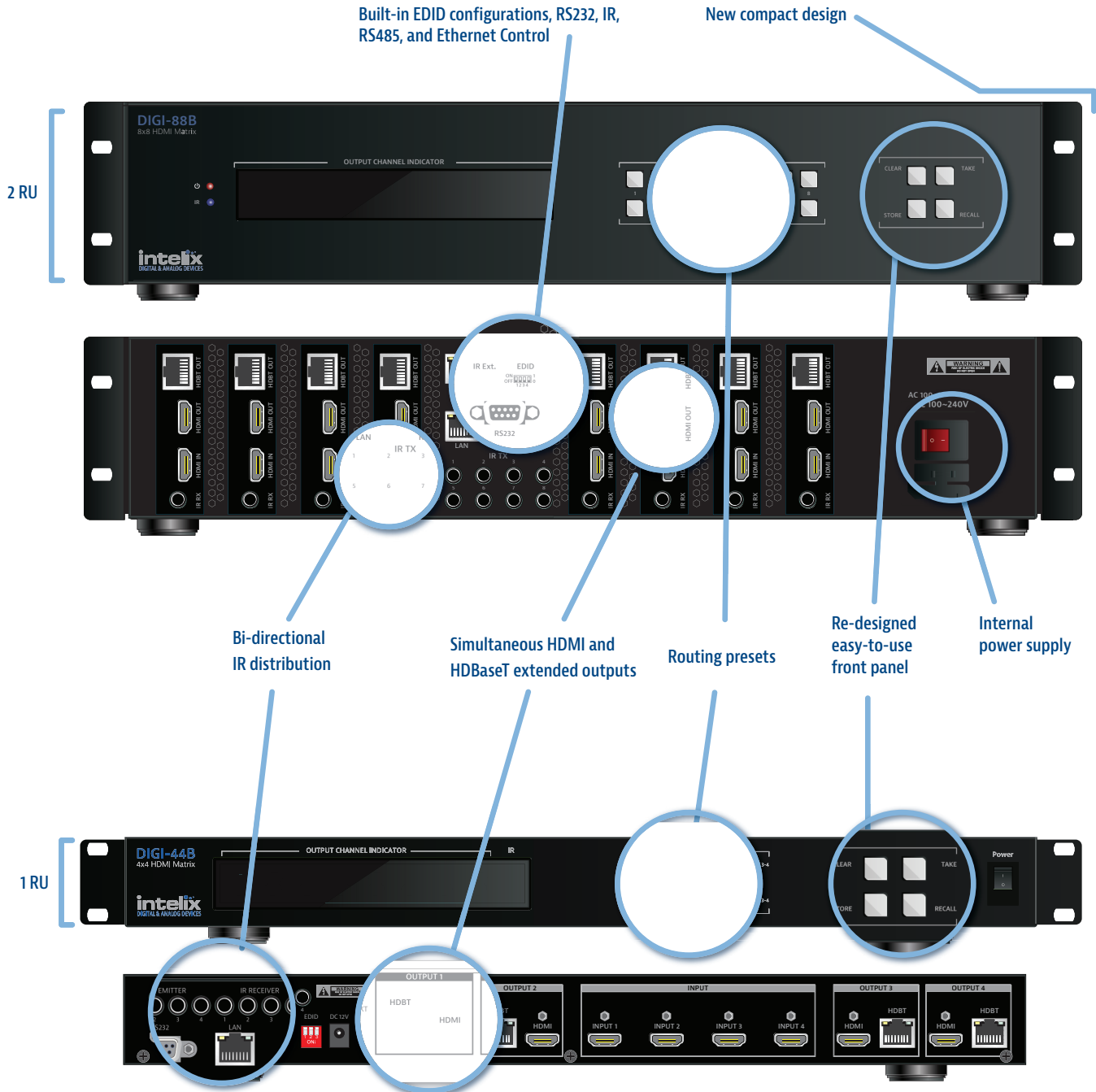
Key Features

- 4x4 and 8x8 models
- HDMI inputs
- HDMI and parallel HDBaseT extender outputs per channel
- Twisted pair extension up to 70m (230 ft.)
- Front panel, RS232, IR, and Ethernet control

- Routing presets available from front panel
- LED readout and backlit buttons for easy control
- Compatible with Intelix HDBaseT receivers
- 3D compatible

- Bi-directional wideband IR switching and distribution for the control of connected sources and destinations
- HDMI and HDCP compliant
- Built-in ESD protection per channel
- Convenient card-based design for field upgrades

DIGI-HD60C-R

DIGI-HD70-R

DIGI-88B

SET-TOP

APPLE TV

DVD PLAYER

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DIGITAL DONE DIFFERENTLY

Intelix DIGI-44B and DIGI-88B matrix switchers provide the performance of Valens HDBaseT processing at a price similar to traditional HDMI electronics.

Built-in EDID configurations, RS232, IR, RS485, and Ethernet Control

New compact design

2 RU

DIGI-88B
8x8 HDMI Matrix

OUTPUT CHANNEL INDICATOR

CLEAR   TAKE

STORE   RECALL

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IR Ext.   EDID

RS232

AC 100 100~240V

Bi-directional
IR distribution

Simultaneous HDMI and
HDBaseT extended outputs

Routing presets

Re-designed
easy-to-use
front panel

Internal
power supply

1 RU

DIGI-44B
4x4 HDMI Matrix

OUTPUT CHANNEL INDICATOR   IR

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CLEAR   TAKE

STORE   RECALL

Power

EMITTER   IR RECEIVER

RS232   LAN   EDID   DC 12V   HDMI

OUTPUT 1   OUTPUT 2   INPUT   OUTPUT 3   OUTPUT 4

HDBT

HDMI

INPUT 1   INPUT 2   INPUT 3   INPUT 4   HDMI   HDMI

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DIGITAL DONE DIFFERENTLY

The DIGI-88B provides eight HDMI inputs, eight HDMI outputs and eight HDBaseT outputs in a convenient 2RU chassis.

DIGI-44B/88B TECH SPECS

I/O CONNECTIONS

HDMI Inputs	**DIGI-44B:** Four (4) HDMI Type A Receptacle Connector (1 per input) **DIGI-88B:** Eight (8) HDMI Type A Receptacle Connector (1 per input)
HDMI Outputs	**DIGI-44B:** Four (4) HDMI Type A Receptacle Connector (1 per output) **DIGI-88B:** Eight (8) HDMI Type A Receptacle Connector (1 per output)
HDBaseT Outputs	**DIGI-44B:** Four (4) 8P8C port (Shielded RJ45) (1 per output) **DIGI-88B:** Eight (8) 8P8C port (Shielded RJ45) (1 per output)
IR Input	**DIGI-44B:** Four (4) 3.5 mm jack (TRS) **DIGI-88B:** Eight (8) 3.5 mm jack (TRS)
IR Output	**DIGI-44B:** Four (4) 3.5 mm jack (TS) (1 per output) **DIGI-88B:** Eight (8) 3.5 mm jack (TS) (1 per output)
AC Power Inlet	**DIGI-44B:** One (1) 5.5 mm Outside Diameter, 2.1 mm Inside Diameter Barrel **DIGI-88B:** IEC C14
Control, Rear Panel	**DIGI-44B:** RS232 via DE-9, TCP/IP via 8P8C, IR via 3.5mm TRS **DIGI-88B:** RS232 via DE-9, RS485 via 8P8C, TCP/IP via 8P8C, IR via 3.5mm TRS
Control, Front Panel	Push Button, IR
DIP Switch	**DIGI-44B:** Three switch DIP **DIGI-88B:** Four switch DIP

SUPPORTED AUDIO AND VIDEO

HDTV Video Resolutions	480i, 480p, 576i, 576p, 720p, 1080i, 1080p
VESA Video Resolutions	Up to 1920x1200
Embedded Audio Compatibility	Up to PCM 5 channel, Dolby Digital TrueHD, and DTS-HD Master Audio
Maximum Distance per Linked Unit (Cat 5e)	70m (230')
Maximum Distance per Linked Unit (Cat 5e) @1080p 3D	40m (131')
DIP Switch Modes	1080i/2.0, 1080p 3D/2.0, 1080p/2.0, 1080p/5.1, 1080p/7.1, Copy and Use EDID from Display

EXTENDER SIGNAL CHARACTERISTICS

Cable Requirements	Category 5e, 6, or 6A with TIA/EIA-568B crimp pattern

Video Amplifier Bandwidth	6.75 Gbps
Input DDC Signal	5.0 volts p-p (TTL)
Input Video Signal	0.5 to 1.0 volts p-p
Supported IR Carrier Frequency	33 – 55 kHz at 5 volts

CHASSIS AND ENVIRONMENTAL

Enclosure	Painted Steel
Dimensions	**DIGI-44B:** 440mm x 230mm x 44mm (17.32 x 9.06x 1.73) **DIGI-88B:** 440mm x 340mm x 100mm (17.32 x 13.4x 3.91)
Rack Spacing	**DIGI-44B:** 1 RU **DIGI-88B:** 2 RU
Shipping Weight	**DIGI-44B:** 3.72 kg (8.2 lbs) **DIGI-88B:** 6.85 kg (15.1 lbs)
Operating Temperature	0° to +40° C (+32° to +104° F)
Operating Humidity	20% to 90%, Non-condensing
Storage Temperature	-10° to +60° C (+14° to +140° F)
Storage Humidity	20% to 90%, Non-condensing

POWER, ESD, AND REGULATORY

Power Supply Input	100-240VAC
Power Consumption	**DIGI-44B:** 60 watts (max) **DIGI-88B:** 70 watts (max)
ESD Protection	15kV
Regulatory	CE, RoHS

OTHER

Warranty	2 years
Diagnostic Indicators	LCD output status and power LEDs
Included Accessories	Installation Guide, IR Remote, IR Emitters, IR Receivers, USB/RS232 adaptor, US Power Cable, Mounting Brackets with screws, Chassis Feet
Compatible Receivers (A/V Only)	DIGI-HD70-R
Compatible Receivers (A/V, IR and RS232)	DIGI-HDE-R, DIGI-HD60C-R

Distances and picture quality may be affected by cable grade, cable quality, source and destination equipment, RF and electrical interference, and cable patches. Intelix specifications are based on straight-through cabling with standard-grade Cat 5e unless noted otherwise.