DigitalMedia™

The Standard in AV Distribution

CRESTRON

AV Today: An Array of Technologies and Infrastructures

There are more AV technologies and infrastructures in use today than ever before: digital, analog, wireless, and streaming; copper, fiber, Ethernet, and HDBaseT® technology. Any or all of them could be appropriate for your residential customers. However, mixing all of these different technologies creates a host of potential problems. To succeed, you need a single platform that can seamlessly and intelligently integrate them all.

4K60 HDBaseT

4K60 FIBER

DigitalMedia: The Only Platform That Does It All

Whether it's HDBaseT connectivity to extend HDMI, fiber between the main house and the guest house, H.264 video streaming to mobile devices, or network AV over Ethernet, DM does it all, with the highest quality video, fastest switching, multi-channel professional audio, and network-based control and management, all on a secure enterprise-grade platform. Residential customers demand and deserve the same technology that Fortune 500® companies, colleges and universities, hospitals and hotels, and government and military facilities have come to rely on. DM is the gold standard for AV distribution.

H.264
STREAMING

NVX
NETWORK AV

4K60 HDBaseT

Highly efficient and low-cost, DM systems with HDBaseT enable you to distribute protected 4K60 video content long distances over a standard twisted pair cable. DM offers the most extensive family of HDBaseT solutions, while adding more functionality than anyone else.

Only DM adds these powerful features:

- EDID and HDCP management

- Intelligent video processing

- 4K60 scaling

- 4K video wall processing

- Adaptive color space conversion

- DSP downmixing

- Breakaway audio routing

- Analog audio extraction from the HDMI® signal

- Communication between third-party sources and displays

- System-wide debugging tools

- Exposing only one IP address to the LAN

- Separating device control traffic from the LAN

- CEC/Serial/IR/Relay device control via the network

8x8 DigitalMedia Switcher
DM-MD8X8

4K60
HDBaseT

4K60
FIBER

H.264
STREAMING

NVX
NETWORK AV

Applications

- Home theaters
- Media rooms
- Video walls
- Multi-room video
- Estate-wide video

Products

- Matrix Switchers
- Transmitters
- Receivers
- Extenders
- Distribution Amplifiers
- On-screen graphical overlays

4K60 Fiber

Ideal for secure applications and long runs, DigitalMedia 4K60 Fiber extender products are flexible, scalable, and work across the entire DM product line. DM 4K60 Fiber transmitter and receiver endpoints, available in both card-based and standalone options, extend delivery of 4K60 video up to 10 kilometers (6.2 miles) with full HDCP 2.2 support and no latency, utilizing all standard fiber types including single-mode, multimode, and CresFiber® cables.

- Full DigitalMedia 4K60

- End-to-end HDCP 2.2

- Support for all IT industry-standard fiber types

- Flexibility to adapt to changes in fiber types via SFP modules

- Local HDMI® switching for added flexibility

- End-to-end support across the DM product line

Fiber

4K60 Fiber Transmitter
DMF-TX-4K-SFP

4K60 Fiber Receiver
DMF-RMC-4K-SFP

Image courtesy of Signals AV

4K60 HDBaseT

4K60 FIBER

H.264 STREAMING

NVX NETWORK AV

Applications

- Video "everywhere"

- Long runs up to 10 kilometers (6.2 miles) in large installations and between main house and satellite buildings

- Where fiber is already installed

- Secure environments and applications requiring optical isolation

Products

- Transmitters

- Receivers

- Cards and Chassis

H.264 Streaming

AV can now be transmitted around the globe using standard, inexpensive network infrastructure. High-performance H.264 streaming capability enables house-wide distribution of HD content over an IP network. Streaming expands the capabilities of DM to remove all distance limitations and distribute any video source to and from touch screens, laptops, IP cameras and mobile devices.

- Ideal where low bandwidth is required (typically only 10 Mbps), and where some latency is acceptable

- One source to many display applications

- 1080p resolution with HDCP 1.4

HD Streaming
Transmitter/Receiver
DM-TXRX-100-STR

4K60
HDBaseT

4K60
FIBER

H.264
STREAMING

NVX
NETWORK AV

Applications

- Streaming security camera feeds to touch screens, displays and mobile devices

Products

- Transmitters
- Receivers
- Digital Graphics Engines
- Input/Output Cards

NVX Network AV

DM NVX Series gives you no latency transmission of stunning 4K60 4:4:4 and HDR video over standard 1Gb Ethernet. This quality combined with the ability to add sources or displays, as needed, for systems ranging from very simple setups to the largest of mega projects makes DM NVX ideal for any size residential application.

DM NVX Series delivers the most powerful, flexible, scalable, and secure video solution over standard 1Gb Ethernet:

- 4K60 4:4:4 and HDR video

- Network security at the product level (AES encryption, 802.1x authentication, Active Directory®, SSH, and Secure CIP)

- Exclusive patent pending technology that scales and decodes simultaneously for no latency

- Encoder/decoder, all-in-one

- Available in boxes or card/card chassis option

- Flexible USB 2.0 routing

- Built-in DSP and downmixing

- Auto-switched HDMI inputs

- Web-based control and management

- Breakaway audio routing

- Audio insert and extract

- Adaptive color space conversion

- CEC/IR/Serial control

- SFP port for fiber support

- Local HDMI output

DM NVX Encoder/Decoder
DM-NVX-350

4K60 HDBaseT

4K60 FIBER

H.264 STREAMING

NVX NETWORK AV

Applications

- Large systems with 60+ displays

- Super Yachts

Products

- DM NVX Encoders/Decoders
  -Boxes
  -Cards

- DM NVX Card Chassis

DigitalMedia Product Line

DM offers the widest range of connectivity and switching options in the industry. It's a complete line of switchers, transmitters, receivers, scalers, extenders, wall plates, , input cards, and output cards, and more, all engineered to work perfectly together to meet the needs of any sized installation, application, and infrastructure.

Switchers

4K60 HDBaseT

DM switchers are completely configurable using input and output cards and blades. Select from a complete range of digital, analog, and streaming inputs to accommodate all of your sources. Route signals to displays and other destinations using your choice of DM copper or fiber, HDBaseT, HDMI, analog audio, and H.264 streaming outputs.

Large Format Blade-based Switchers

DM-MD128X128

128X128 DigitalMedia Switcher

DM-MD64X64

64X64 DigitalMedia Switcher

Medium Format Card-based Switchers

DM-MD32X32

32X32 DigitalMedia Switcher

DM-MD16X16

16X16 DigitalMedia Switcher

DM-MD8X8

8X8 DigitalMedia Switcher

Transmitters

4K60 HDBaseT

The DM line of compact transmitters delivers the industry's most flexible and scalable platform for interfacing with remote AV sources over a single cable, up to 100 meters (330 ft.) away.

DM-TX-4K-100-C-1G

Wall Plate HD & 4K DigitalMedia Transmitter

DM-TX-4K-202-C

4K DigitalMedia Transmitter

Receivers & Room Controllers

DM receivers and room controllers provide an advanced one-box interface for a single display as part of a complete DM system. Each functions as a receiver and control interface.

DM-DGE-200-C

HD Streaming Receiver w/Digital Graphics Engine & 4K DM Input

DM-RMC-4K-SCALER-C

4K DigitalMedia Receiver & Room Controller w/Scaler

DM-RMC-4K-100-C

4K DigitalMedia Receiver & Room Controller

DM-RMC-4K-SCALER-C-DSP

4K DigitalMedia Receiver & Room Controller w/Scaler & Downmixing

DM-RMC-4K-100-C-1G

Wall Plate 4K DigitalMedia Receiver & Room Controller

HD-XSPA

4K Ultra High-Definition 7.1 Surround Sound AV Receiver

Switchers

Well priced for budget sensitive projects, DM switchers support the full gamut of today's high-resolution signals, up to 4K60, and provide advanced DigitalMedia EDID management for optimal display.

DM-MD8X1-4K-C

4K Scaling Auto-Switcher with DM & HDBaseT Output

HD-MD4X2-4K-E

4X2 4K HDMI Switcher

HD-MD8X1-4K

4K Scaling Auto-Switcher

HD-MD4X1-4K-E

4X1 4K HDMI Switcher

HD-MD6X2-4K-E

6X2 4K HDMI Switcher

HD-MD8X2

QuickSwitch HD® 8X2 Switcher with HDMI

HD-MD8X1

4K Scaling Auto-Switcher

Multi-Window Video Processor

The HD-WP-4K-401-C is a cost-effective solution for presenting up to four video sources simultaneously on a single HD, Ultra HD, or 4K display.

HD-WP-4K-401-C

4K Multi-Window Video Processor with HDBaseT & HDMI Outputs

Distribution Amplifiers

DM distribution amplifiers provide straightforward and reliable signal splitting and converting of HDMI signals with support for resolutions up to 4K.

HD-DA8-4K-E

1-to-8 4K HDMI Distribution Amplifier

HD-DA-2-QUAD

Quad 1-to-2 HDMI Distribution Amplifier

HD-DA4-4K-E

1-to-4 4K HDMI Distribution Amplifier

HD-DA-2

1-to-2 HDMI Distribution Amplifier & Audio Converter

DM-DA4-4K-C

1:4 4K HDMI to DM & HDBaseT Splitter Amplifier

Extenders

Crestron's HD-MD series of Scaling Auto-Switcher Extenders is ideal for simple solutions, while the HD-EXT series makes it easy to extend AV and control, all over a single standard CAT5e cable.

HD-MD-400-C-E

HD Scaling Auto-Switcher & Extender 400

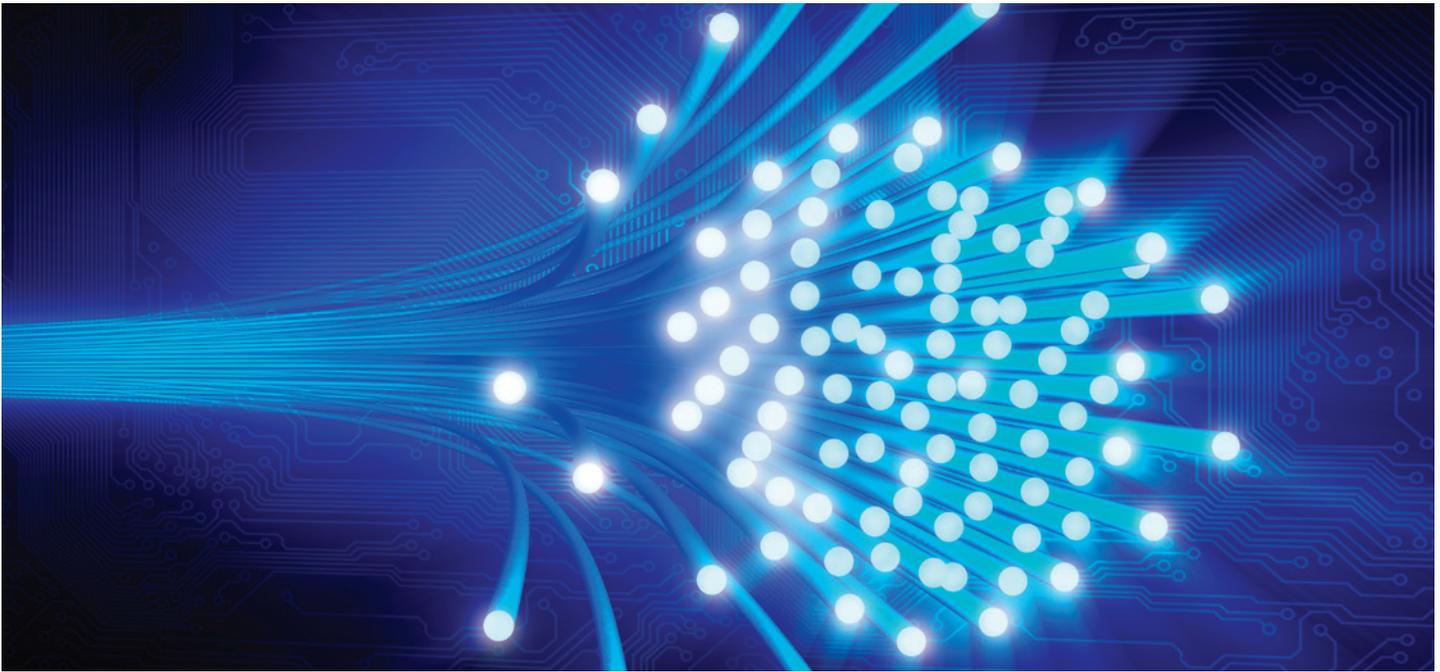### HD-EXT4-C

4K HDMI over HDBaseT Extender w/Analog Audio

HD-MD-300-C-E

HD Scaling Auto-Switcher & Extender 300

HD-EXT3-C

4K HDMI over HDBaseT Extender w/IR & RS-232

4K60 FIBER

DigitalMedia 4K60 Fiber extender products are flexible and work across the entire DM product line. Comprised of 4K60 fiber transmitter and receiver endpoints in both card-based and standalone options, they provide: full DM 4K60; end-to-end HDCP 2.2; support for all IT industry standard fiber types; flexibility to adapt to changes in fiber types with SFP modules; and local HDMI switching for added flexibility.

Transmitter

DMF-TX-4K-SFP

DigitalMedia SFP+ 4K Fiber Transmitter

Receiver & Room Controller

DMF-RMC-4K-SFP

DigitalMedia SFP+ 4K Fiber Receiver

Fiber Chassis & Cards

DMF-CI-8

DigitalMedia Card Chassis for DMCF

DMCF-RX-4K-SFP

DigitalMedia SFP+ 4K Fiber Receiver Card for DMF-CI-8

DMCF-TX-4K-SFP

DigitalMedia SFP+ 4K Fiber Transmitter Card for DMF-CI-8

H.264 STREAMING

DM streaming transmitters and receivers provide a low-cost, low profile solution for adding streaming to any space. Streaming input and output cards make it easy to incorporate streaming within modular DM matrix switchers, and DGE digital graphics engines combine streaming inputs with powerful room controllers, scheduling, and onscreen display for the ultimate in flexibility.

Switcher Cards

DMC-STR

Streaming Input Card for DM Switchers

DMC-STRO

Streaming Output Card for DM Switchers

Receivers & Graphics Engines

DGE-100

HD Streaming Receiver w/ Digital Graphics Engine

DM-DGE-200-C

HD Streaming Receiver w/ Digital Graphics Engine & 4K DM Input

Transmitter/Receiver

DM-TXRX-100-STR

HD Streaming Transmitter/Receiver

Receiver & Room Controller

DM-RMC-100-STR

HD Streaming Receiver & Room Controller

Standard 1Gb Ethernet

Encoders/Decoders

NVX
NETWORK AV

DM NVX all-in-one Encoder/Decoder Endpoints and Cards provide auto-switching and support Ethernet natively, as well as fiber, with optional SFP modules.

Endpoints

DM-NVX-350

DigitalMedia 4K60 4:4:4 HDR Network AV Encoder/Decoder

DM-NVX-351

DigitalMedia 4K60 4:4:4 HDR Network AV Encoder/Decoder w/Downmixing

Cards

DM-NVX-350C

DigitalMedia 4K60 4:4:4 HDR Network AV Encoder/Decoder Card

DM-NVX-351C

DigitalMedia 4K60 4:4:4 HDR Network AV Encoder/Decoder Card w/Downmixing

1Gb Network AV Chassis

DMF-CI-8

Provides fully modular and expandable architecture with 8 slots for DM-NVX-350C and DM-NVX-351C cards.

Global True Blue Service and Support

Crestron has offices in every major market and country around the globe. There are tens of thousands of certified DM engineers and technicians ready to assist you if needed. Count on our award-winning True Blue Service and Support Team to handle your issues 24/7 or even go on-site anywhere in the world at a moment's notice.

We offer our partners comprehensive certification programs that include specialized 4K and network AV training. All of our certification programs are designed with one purpose in mind: to ensure flawless implementation of Crestron systems and the highest quality support.

Ensuring everything works, so you don't have to

There are many different industry standards, and they're often interpreted differently from one source or display manufacturer to the next. Even slight variations from these standards can result in system performance issues. At the DM Lab, the industry's most comprehensive video test facility, our engineers ensure all DM products perform flawlessly together, end-to-end, as well as with third-party sources and displays. It's all part of our commitment to deliver the best engineering in the industry.

DigitalMedia™

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