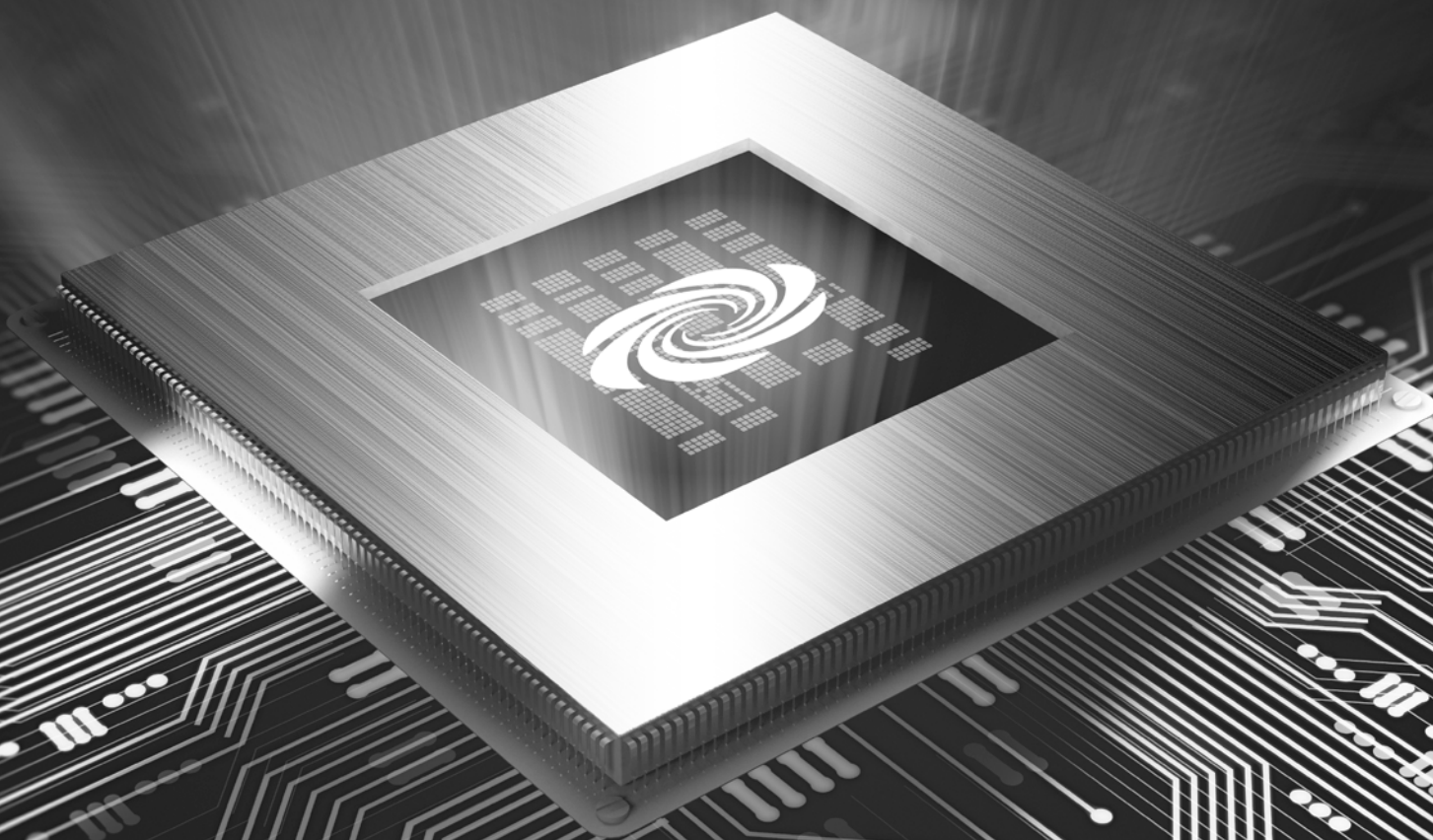# DigitalMedia™

The Standard in AV Distribution

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®. We use all of them to communicate and collaborate. 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.

DigitalMedia: The Only Platform That Does It All

Whether it's HDBaseT® connectivity for in-room presentations, fiber between buildings, H.264 video streaming to mobile devices, or network AV over Ethernet, DM does it all. The highest quality video, fastest switching, multi-channel professional audio, and network-based control and management, all on a secure enterprise-grade platform. DM is the global gold standard for AV distribution for Fortune 500® companies, universities, hospitals, hotels, and government and military facilities.

4K60 HDBaseT

4K60 FIBER

H.264 STREAMING

NVX NETWORK AV

4K60 HDBaseT

Highly efficient and low-cost, DM HDBaseT solutions enable you to distribute protected 4K60 video content long distance 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
- Mic mixing and processing
- Analog and S/PDIF audio extraction from HDMI
- Communication between third-party sources and displays
- System-wide debugging tools
- USB-HID extension and routing
- Only one IP address required
- CEC/Serial/IR/Relay device control via the network

All-in-One 4K60 DigitalMedia Presentation System
DMPS3-4K-300-C

4K60 HDBaseT | **4K60 FIBER** | **H.264 STREAMING** | **NVX NETWORK AV**

Applications

- In-room presentation
- Signal runs up to 100 meters (330 ft.)
- Systems up to 128x128
- Fixed, installed systems
- Copper infrastructure

Products

- Matrix Switchers
- Transmitters
- Receivers
- All-in-one presentation solutions
- Extenders
- Distribution Amplifiers

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 4K60 support
- End-to-end HDCP 2.2
- Support for all IT industry-standard fiber types via SFP modules
- Local HDMI® switching for added flexibility
- End-to-end support across entire DM product line

4K60	4K60	H.264	NVX
HDBaseT	FIBER	STREAMING	NETWORK AV

Fiber

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

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

Applications

- Long runs up to 10 kilometers (6.2 miles) in large installations and between buildings
- Where fiber is already installed
- Secure environments and applications requiring optical isolation

Products

- Transmitters
- Receivers
- Cards and Chassis

H.264 Streaming

H.264 streaming expands the capabilities of DM to remove all distance limitations and securely distribute 1080p AV over your existing network. Stream from AV sources, laptops, content management systems, and cameras to mobile devices, Crestron touch screens, and remote locations worldwide.

- Flexible, scalable, and secure
- No distance limitations
- Connect rooms without a matrix switcher
- Leverage existing 1Gb network
- 1080p resolution with HDCP 1.4

| 4K60 HDBaseT | 4K60 FIBER | H.264 STREAMING | NVX NETWORK AV |

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

Applications

- Streaming to and from cameras, laptops, mobile devices, and content management servers worldwide
- Digital signage, broadcast messaging, and IPTV
- Few-to-many distribution
- Adding H.264 streaming to any DM solution
- Situations where low bandwidth is required (typically only 10 Mbps)

Products

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

NVX Network AV

DM NVX Series gives you secure, no latency transmission of stunning 4K60, 4:4:4, and HDR video over standard 1Gb Ethernet. It's infinitely scalable and flexible, extremely cost effective for larger installations, and delivers the very best resolution.

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

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

- Encoder/decoder: one box does it all

- 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

- Highest resolution solutions

- Leverage standard Ethernet

- Large systems over 128 endpoints

- Overflow rooms

- Infinite scalability
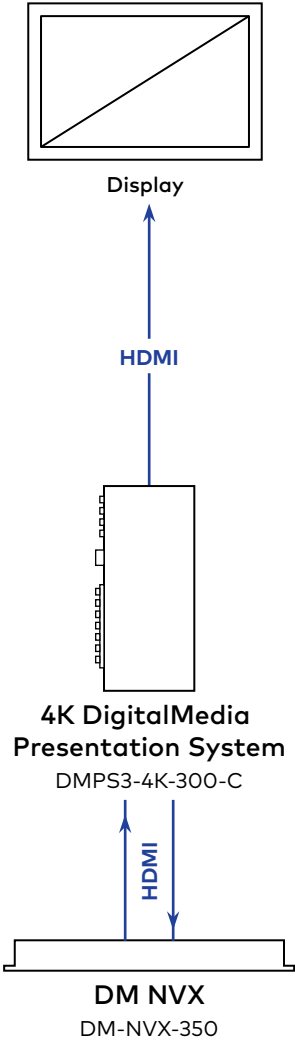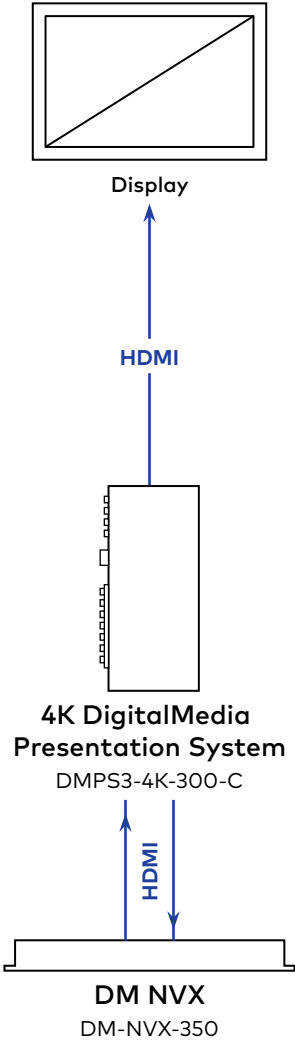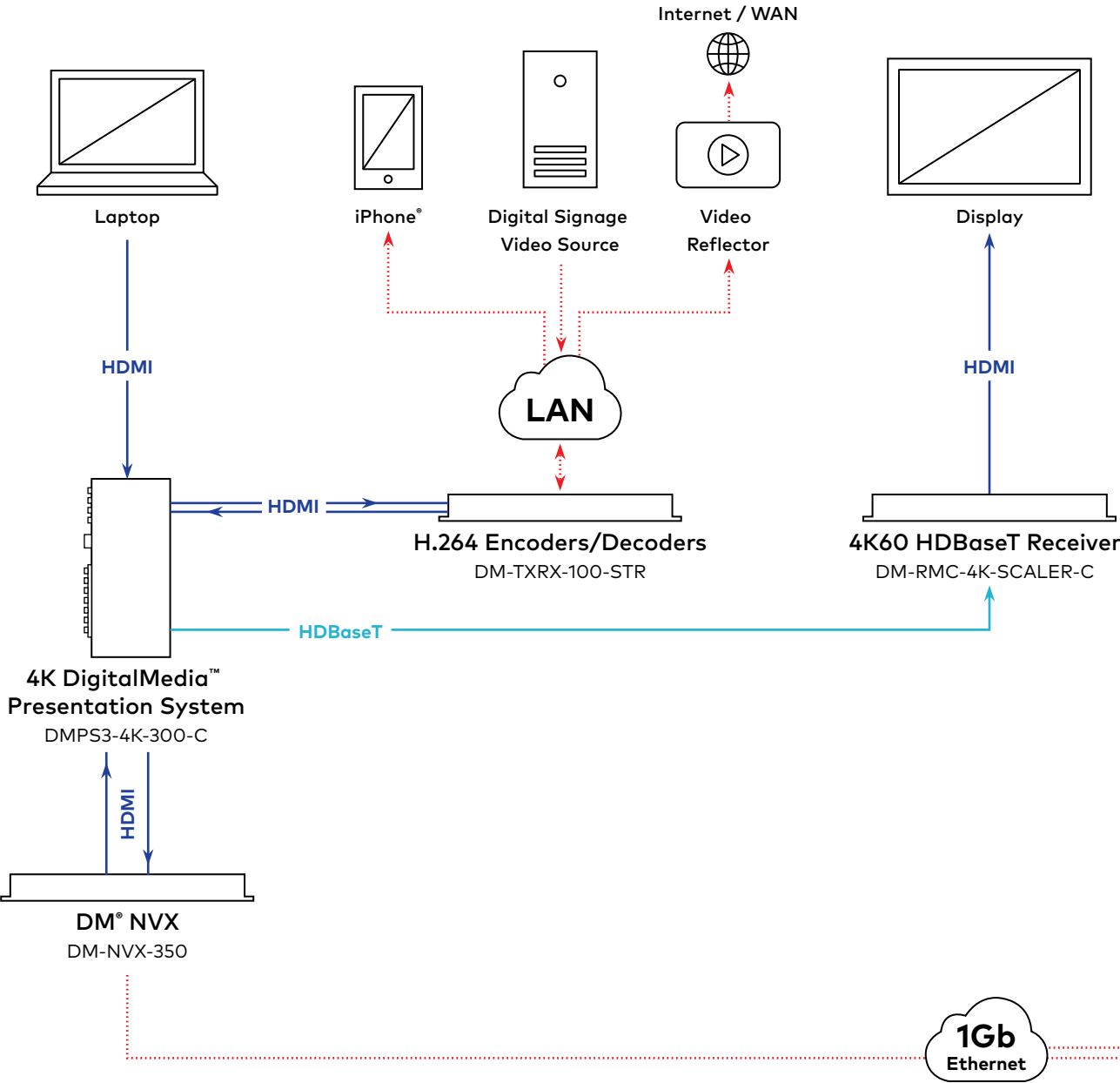
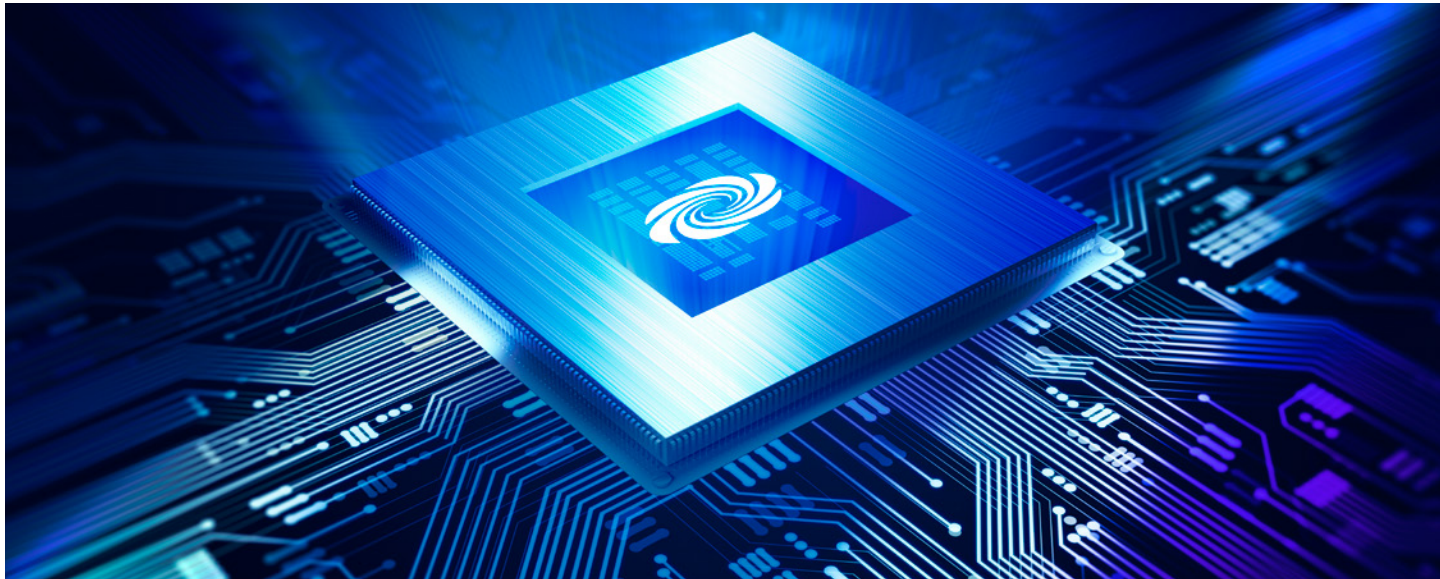- Maximum flexibility for adding endpoints

Products

- DM NVX Encoders/Decoders

Hybrid Solutions

Most organizations have different needs in a variety of spaces and locations. There's no one technology that is ideal for every application. Rather than force one type of infrastructure into every space, DigitalMedia empowers you to choose the best technology for your needs. Only DM delivers field-proven solutions that integrate 4K60 HDBaseT, 4K60 fiber, H.264 streaming, and high-resolution Network AV – all on the same ultra-reliable platform.

DigitalMedia™

4K60 HDBaseT   **4K60** FIBER   **H.264** STREAMING   **NVX** NETWORK AV

Laptop

iPhone®

Digital Signage Video Source

Internet / WAN

Video Reflector

Display

HDMI

HDMI

LAN

H.264 Encoders/Decoders
DM-TXRX-100-STR

4K60 HDBaseT Receiver
DM-RMC-4K-SCALER-C

HDBaseT

4K DigitalMedia™ Presentation System
DMPS3-4K-300-C

HDMI

DM® NVX
DM-NVX-350

Display

HDMI

4K DigitalMedia Presentation System
DMPS3-4K-300-C

HDMI

DM NVX
DM-NVX-350

Display

HDMI

4K DigitalMedia Presentation System
DMPS3-4K-300-C

HDMI

DM NVX
DM-NVX-350

1Gb Ethernet

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.

The Technology That Launched an Industry

The leadership and commitment to innovation that led to DM has created much more than a product line; it's created an industry in itself. Thousands of companies across hundreds of industries, government agencies, universities, and more have built their infrastructure on DM and standardized on it. They trust and rely on DM to make their lives simpler and more successful every day. The more than 35,000 DM Certified Engineers around the globe make sure of it.

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.

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, all-in-one presentation systems, input cards, and output cards, and more, all engineered to work perfectly together to meet the needs of any sized installation, application, and infrastructure.

4K60 HDBaseT

Presentation Systems

DMPS3 Series systems deliver all-in-one AV presentation control and signal routing solution for every room type and size. All models feature a built-in 3-Series Control System for unmatched power and performance. Setup and touch screen control are simple using the web-based configuration tool, with no programming required.

DMPS3-4K-300-C
8X4 matrix switching; 6 HDMI, 2 DM inputs; 2 DM, 2 scaled HDMI outputs; Control Subnet

DMPS3-4K-200-C
7X2 matrix switching; 6 HDMI, 1 DM input; 1 DM, 1 scaled HDMI output; Control Subnet

DMPS3-4K-150-C
10X1 matrix switching; 4 HDMI, 2 DM inputs; 1 scaled DM and HDMI output

DMPS3-4K-100-C
8X1 matrix switching; 4 HDMI inputs; 1 scaled DM and HDMI output

DMPS3-4K-50
8X1 matrix switching; 4 HDMI, 4 VGA inputs; 1 scaled HDMI output

4K60 HDBaseT

Switchers

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

4K60 HDBaseT

Transmitters

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-201-C
HDMI and VGA DigitalMedia Transmitter

DM-TX-4K-202-C
4K HDMI DigitalMedia Transmitter

DM-TX-401-C
HDMI, DisplayPort, VGA, and analog video DigitalMedia Transmitter

DM-TX-4K-302-C
4K HDMI & VGA 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.
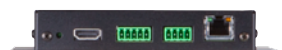
DM-DGE-200-C
HD Streaming Receiver w/Digital Graphics Engine & 4K DM Input

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 w/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 HDMI Switcher

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
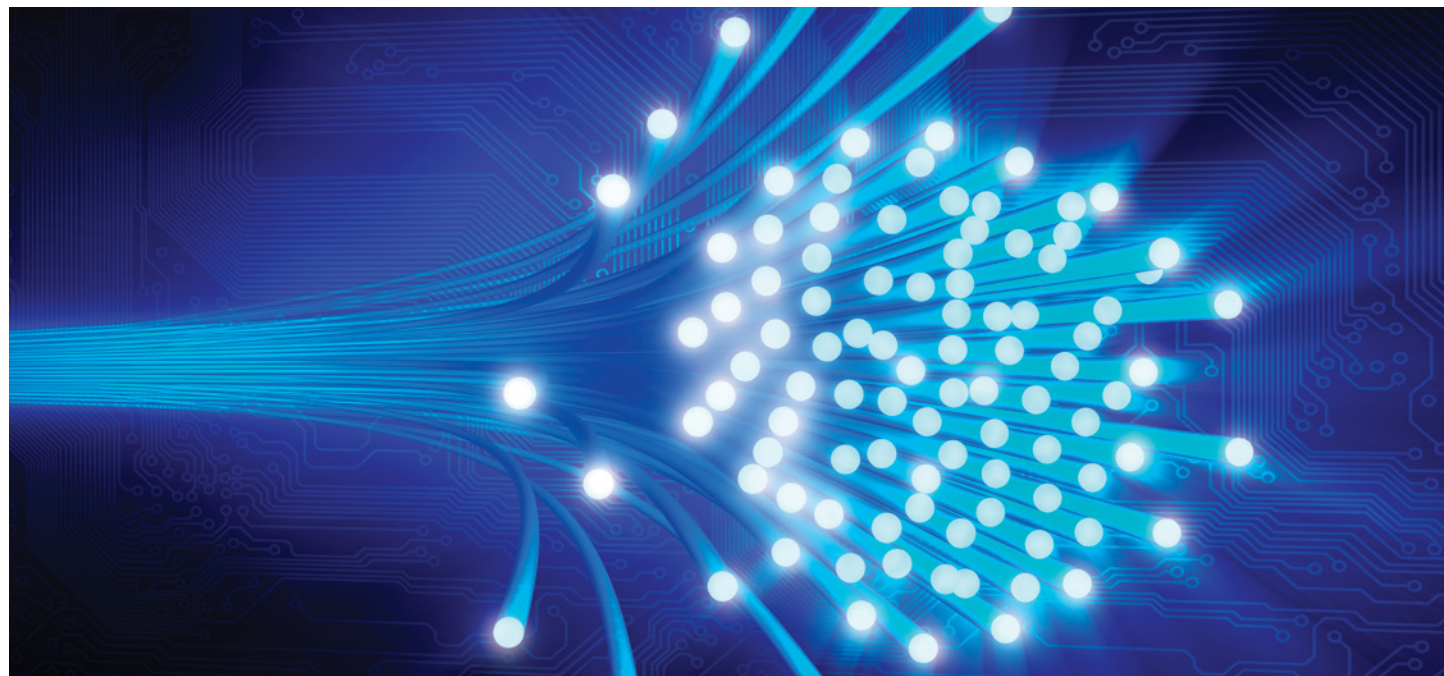4K HDMI over HDBaseT Extender w/Analog Audio

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.

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.

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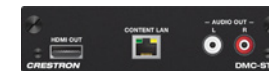DigitalMedia SFP+ 4K Fiber Receiver Card for DMF-CI-8

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

Switcher Cards

DMC-STR
Streaming Input Card for DM Switchers

DMC-STRO
Streaming Output Card for DM Switchers

Transmitter/Receiver

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

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

Receiver & Room Controller

DM-RMC-100-STR
HD Streaming Receiver & Room Controller

Standard 1Gb Ethernet

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™

NVX
NETWORK AV

Encoders/Decoders

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
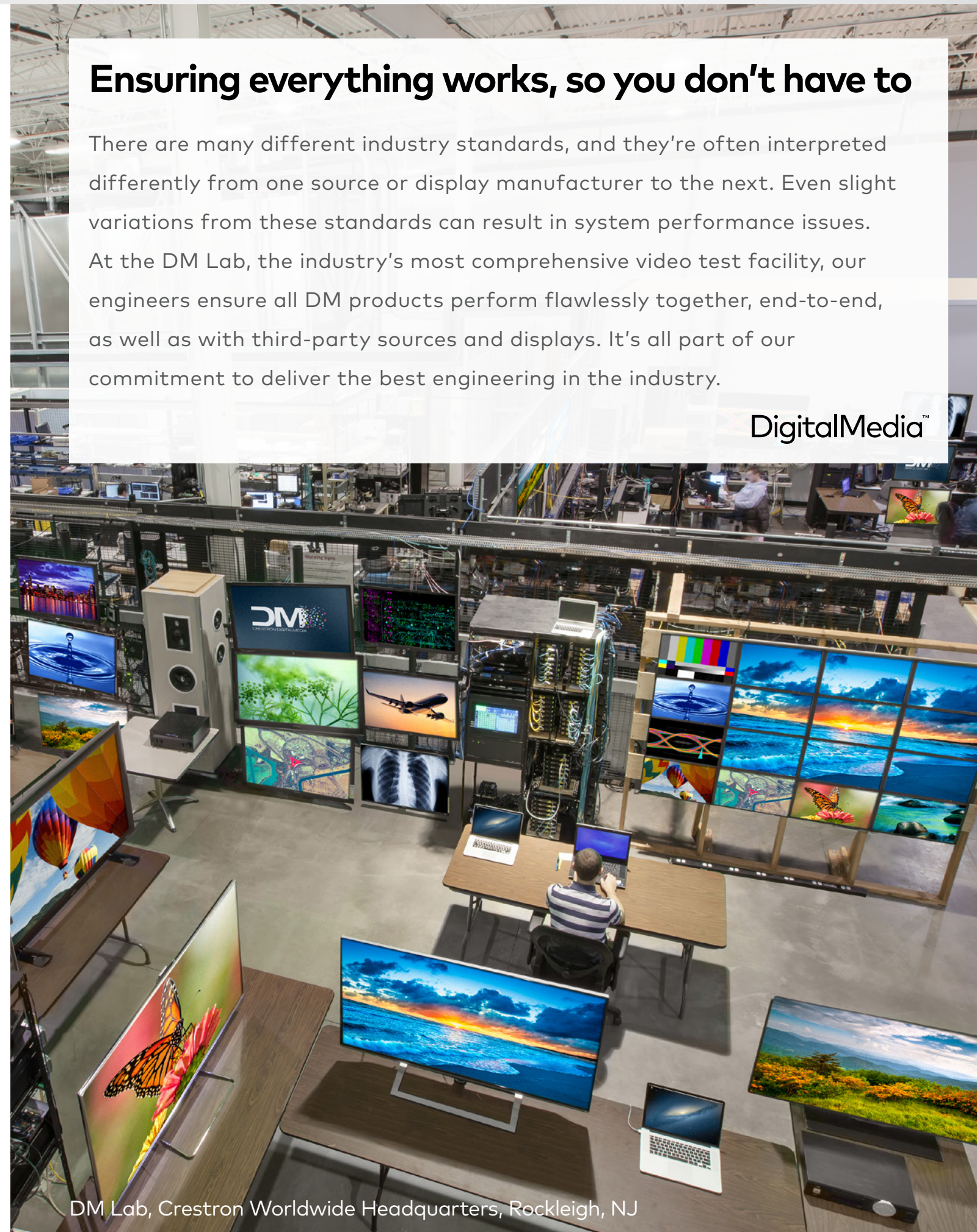
1Gb Network AV Chassis

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

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