PUREMEDIA
PureLink™

PureLink
PM-256x
256x256 Cross-Platform Modular Matrix Router
PureLink
PM-80x
80x80 Cross-Platform Modular Matrix Router
PureLink
PM-48x
48x48 Cross-Platform Modular Matrix Router
PureLink
PM-32x
32x32 Cross-Platform Modular Matrix Router
PureLink
PM-16X
16X16 Cross-Platform
PureLink
PM-8X
8x8 Cross-Platform Modular Matrix Router

What is PureMedia™?

PureMedia™ (PM) is a complete media and data distribution management solution, proven to work consistently and seamlessly to provide a scalable, configurable, controllable, and reliable HD ecosystem.

PureMedia's design is the embodiment of four core principles that come together to deliver the most adaptable, forward-thinking solutions:

FLEXIBILITY – the modular, slot card build of PM matrix switchers, combined with a comprehensive selection of input and output cards, provide endless combinations of connectivity and formats.

CONVERSION – any input, any frame rate, and any format can be converted to any output variation desired.

RELIABILITY – featuring redundant power supplies, 100,000 MTBF electronics, dynamic diagnostics, and rugged framework, PM solutions are worry-free.

4K – PM is built on the future of 4K. No other cross-platform matrix switching system provides a more comprehensive set of features to support scaling, routing, and processing of high bandwidth content.

With its core framework and exclusive technologies, PureMedia delivers the most flexible, hybrid signal management solutions built for the convenience of the user – now and in the future.

Discover how PureMedia can be a part of your success.

Explore Your Options

BUILD YOUR OWN A/V SYSTEM

FRAME

Choose the frame size that is right for you. Selections range from **8x8** to **256x256.** (p.33)

I/O SLOT CARDS

Next, select your input and output card configuration, with supported formats including **HDMI 1.4**, **Fiber, HDBaseT, DVI** (QuadView output option), **DisplayPort**, **3G-SDI**, and **Analog**. (p.35)

EXTENDERS

Finally, select your extender boxes with built-in TOTALWIRE™ Technology and options such as **full scaling up to 4K**. (p.40)

Some of Our Clients

MARKETS

MARKETS

Cinema, Entertainment, & Broadcast

SPEED CONNECTIVITY

High resolution, immersive experiences are at the heart of cinema, entertainment, and broadcast. PureMedia offers the most complete set of 4K features of any signal management system, including full scaling. PureLink's "Don't Blink" Fast Switching Technology is instantaneous, providing true broadcast style cuts between inputs. PureMedia's cross-platform build provides input and output connectivity, as well as conversion, between all signal formats, eliminating the headache of incompatibles that can arise in matrix switching systems.

APPLICATIONS

Broadcast Integrators, Studios & ON-AIR Broadcasting
Post-Production
Studio Control Room
Staging and Rental
Entertainment

Cinema

Broadcasting

Telepresence

Corporate-Conference

EASY CONNECTIONS - ANYWHERE, ANYTIME

Conference rooms rely on simplicity. Video-conferencing has become one of the fastest growing markets, and the increasing demand has resulted in a multitude of meeting room A/V solutions and products in response. PureMedia provides the only complete presentation or monitoring solution, featuring Auto-scaling and industry renown EDID management, ensuring that your picture is displayed properly – in real time, every time.

PureMedia takes simplicity a step further with an easy-to-use touch screen interface, as well as third party control modules, that make operation more reliable.

APPLICATIONS

Telepresence
Conference Room
Whole Builiding Distribution

Digital Signage

DRIVING, DYNAMIC ADVERTISEMENT W/ EASY SETUP

Digital signage is one of the most powerful and impactful forms of advertising there is. Today, more and more retailers are choosing digital signage solutions to communicate quickly and effectively with their customers – through messaging that is both interactive and compelling. PureMedia offers audio/video signal management that is flexible yet powerful enough to meet the design needs of any retail environment.

APPLICATIONS

Retail
Events & Large Venue
Restaurant
Airports

Airports

Retail

Auditorium

Planetarium

EDUCATION

A PLACE WHERE EDUCATION AND TECHNOLOGY CONVERGE

The demand and expectation for classroom A/V technology continues to grow in order to meet the needs of today's learners. A/V integration (using cameras, streaming media, PC applications, etc.) improves the level of student engagement and quality of instructor delivery. With PureMedia's simple and efficient signal management solutions, it has never been easier to implement a complete presentation or campus monitoring system that is powerful, yet flexible enough to respond to changes in technology.

APPLICATIONS

Auditorium
Classroom
Museum
Planetarium

House of Worship

EASE OF LEARNING, SCALABLE FOR DIFFERENT ROOM SIZES

Today, churches small to large deliver their message with media. Ease of learning and operation is critical when volunteer staff have limited time to learn the technology that supplies the media. Worship facilities are commonly used to host various types of events, including worship services, concerts, graduations, weddings, simulcasts, conferences, and more. Whether an event takes place in the main sanctuary or a small meeting room, PureMedia provides customized media distribution systems fit for every scenario.

APPLICATIONS

Main Sanctuary
Meeting Rooms
Announcement Displays
Whole Building Distribution

Meeting Room

Command Room

Mobile Command

Operating Room

Military & Emergency Management

Reliability, Ultra High Definition, Multiple Source Display

No other market requires more reliability than those that protect, defend, and serve. PureMedia solutions are built for 24/7/365 reliable operation, with redundant power supplies, replaceable and auto-detectable I/O slot cards, large storage and operating temperature ranges, and 100,00 MTBF electronics, all housed in a rugged metal enclosure. Fiber connectivity and fiber extension modules meet tough data transmission security requirements, even at lengths up to 12 miles. Ultra HD 4K image transport and processing allows large amounts of data to be presented on large 4K displays in any situation room. PureMedia's Quadview output card option provides multiple input windows for thorough data presentation.

APPLICATIONS

Situation Room
Command Room
Mobile Command
Operating Room

Utilities & Transportation

HIGH DEFINITION, LARGE I/O ARRAY, MULTIPLE SOURCE, EZ OPERATION

The control rooms of the future will be arrays of touch screen video panels. PureMedia was built for this advancement, providing the largest (up to 256x256 connectivity) and most comprehensive cross-platform I/O configuration options of any matrix switching system on the market. PureMedia's 4K transport and processing technologies provide the highest density data presentation. Combined with system automation and diagnostics, PureMedia solutions ensure reliability and usability, now and in the future.

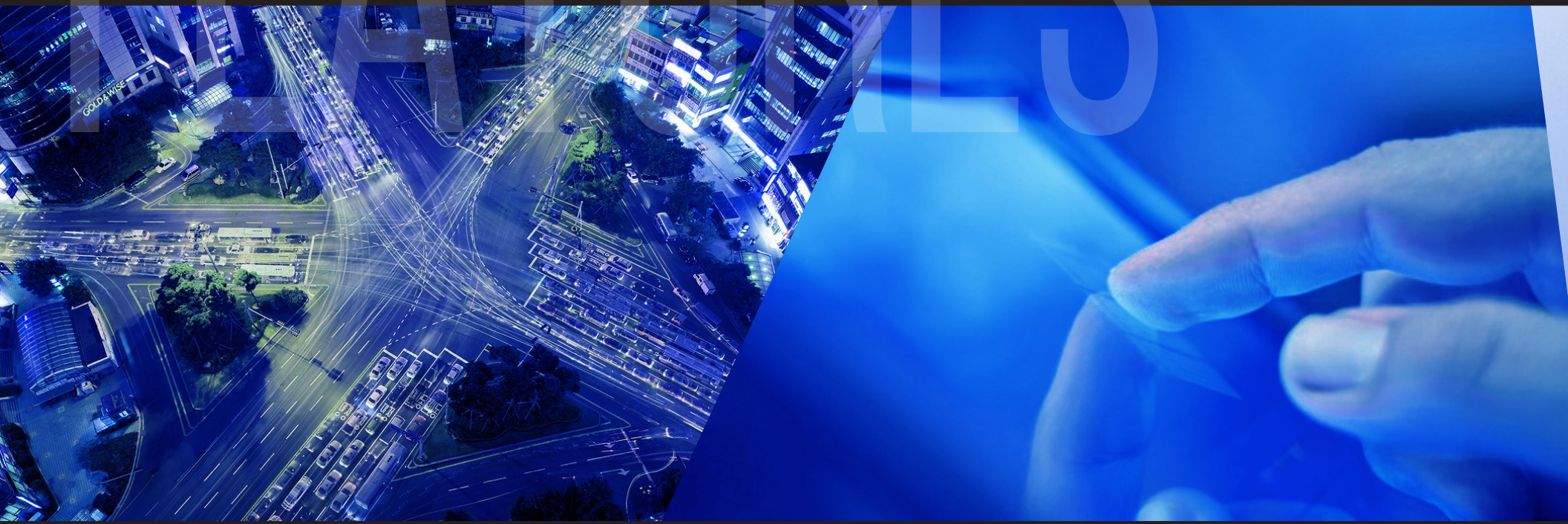
APPLICATIONS

Air Traffic Control
Power Plant Control Room
Railway Control Room
Gas and Oil Geophysics

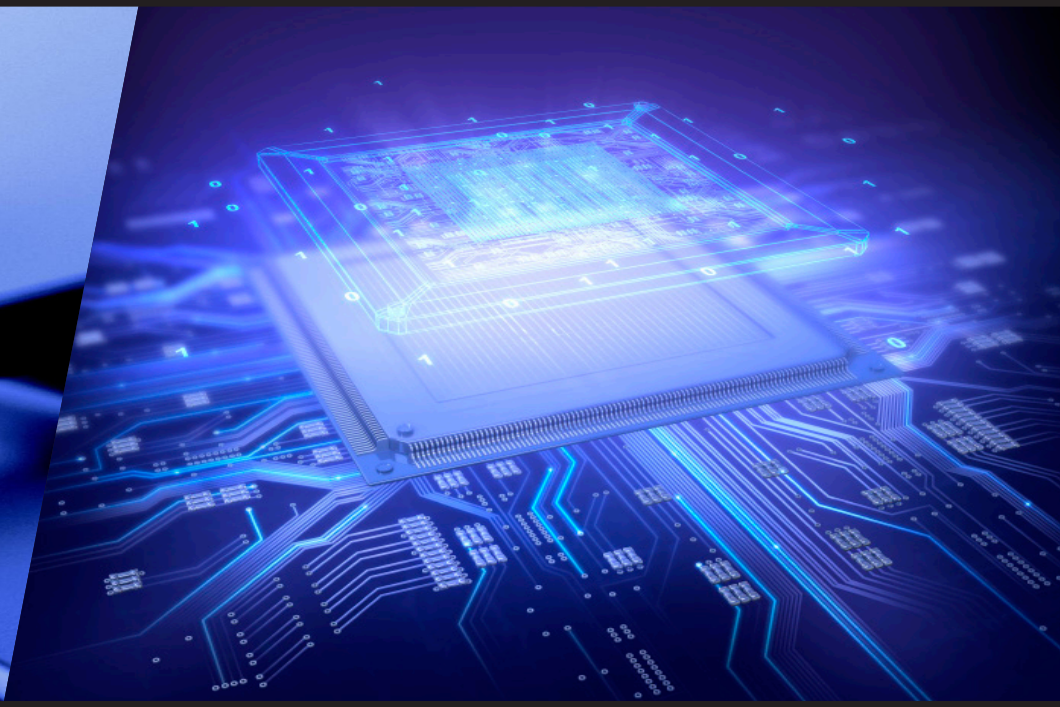
Power Plant

Air Traffic Control

FEATURES



FEATURES



Cross-Platform

NOTHING GUARANTEES LIKE A PM

Convert anything to anything else. HDMI, Fiber, DVI, UltraHD, 3G HD-SDI, and more. PureMedia provides cross-platform conversion, making installation easier and more manageable than ever before.

Ultra Hd 4k

MORE CHOICES, MORE FEATURES, MORE 4K

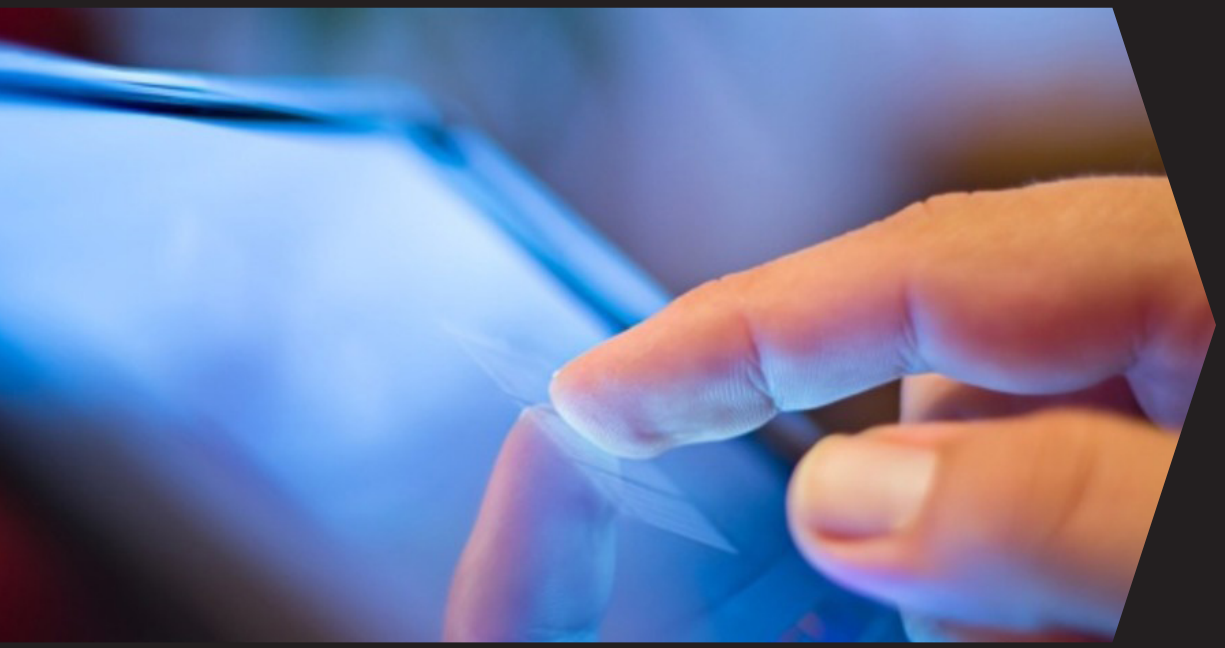
PureMedia offers a complete catalog of UltraHD/4K distribution and extension solutions that can be customized for any application. From 4K matrix switcher frames to 4K extenders, all with TOTALWIRE™ (HDMI, HDBaseT, and Fiber) cabling, PureMedia solutions deliver a more seamless transition to 4K connectivity than any other provider.

AUTO-SCALING WITH SEAMLESS SWITCHING

READY FOR WHATEVER THE FUTURE BRINGS. INCLUDING 4K

Auto-scaling is offered as a feature both within the matrix switcher and the remote extender receivers, making PureMedia the most intuitive switching system available.

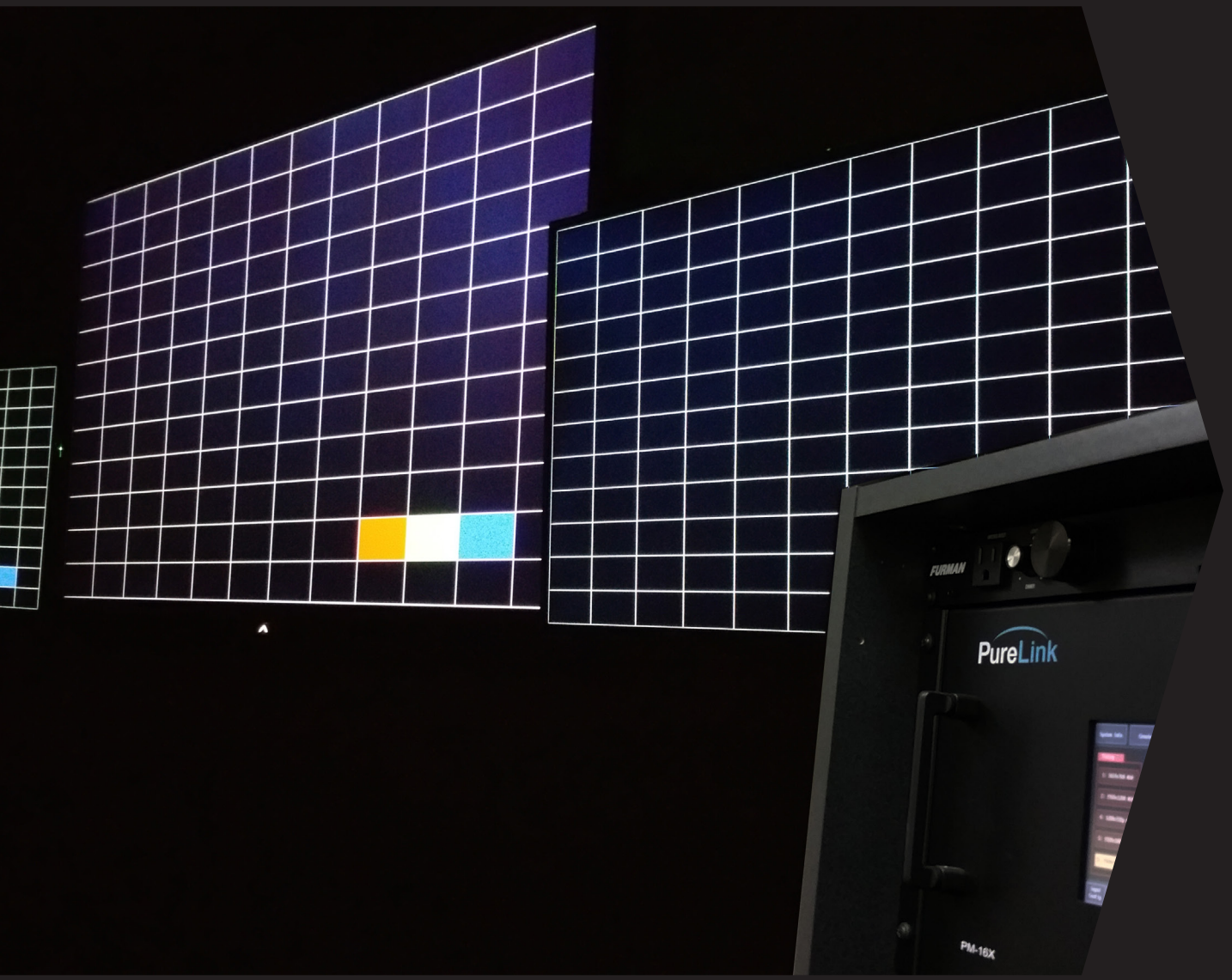
Select from a comprehensive line of output slot card and remote extender options to create a custom solution fit for any auto-scaling and UltraHD/4K scaling need.



Touch Screen

LCD TOUCH-SCREEN DISPLAY W/ SECURITY LOCK-OUT

In today's digital world, where time is money, ease of operation is a must. With an intuitive touch screen interface, users can quickly understand the features and operational functions of the PureMedia line. A lockout option and password protection, disables any unauthorized changes made from the touch screen controls, offering secure and reliable operation.



DIAGNOSTICS

THE TOOLS YOU NEED

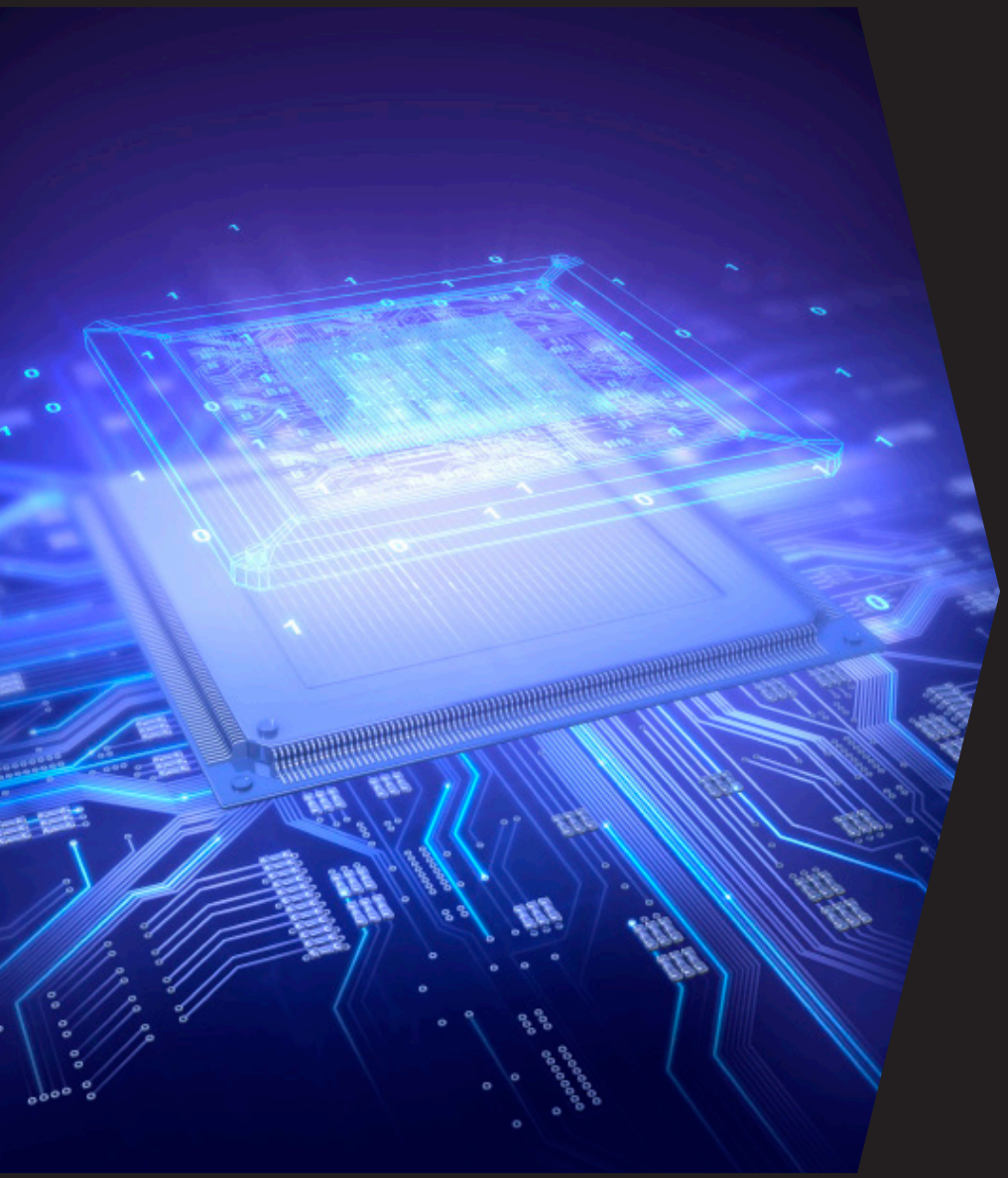
Testing and analyzing a system's health can significantly minimize inaccuracies, save time, and prevent errors. PureMedia matrix switching systems provide diagnostic information of input signals, displays, slot cards, and connectivity. An assortment of test patterns is available to confirm output connections and display/image verification at various resolutions.

EDID MANAGEMENT

EDID MANAGEMENT AT EVERY OUTPUT

The PM product line is the only matrix switching system that automatically scales each output to match the EDID from the attached displays. The result is a quick, clean switch from source to display without any disparities in the image size, position, or aspect ratio. PureMedia matrix switchers provide the most comprehensive EDID management system available, ensuring proper image display without the need for additional emulation devices.

Combined with the industry's fastest switching speeds powered by PureLink's "Don't Blink" Technology, PM matrix switching systems with EDID management offer an ultra-fast, glitch-free signal distribution solution.



FPGA CHIP

FASTEN YOUR EVERYTHING

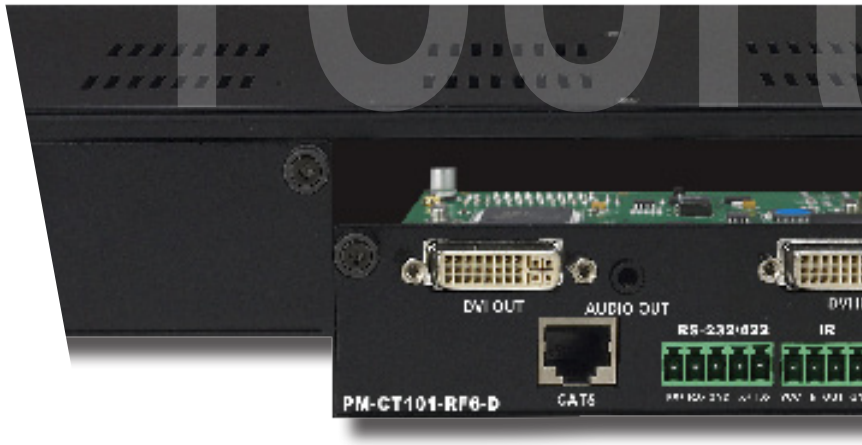
Off the shelf scaling chips simply do not offer the flexibility and domain of functions required with today's evolving signal formats such as UltraHD/4K. The PureMedia line is built on the solid foundation of FPGA chip technology, allowing PureLink to engineer future-proof scaling solutions to cover every resolution, frame rate, and up/down scaling for 4K and wherever else the future of video migrates. PureMedia offers worry-free scaling solutions that fit now and with what is to come.

CONTROL

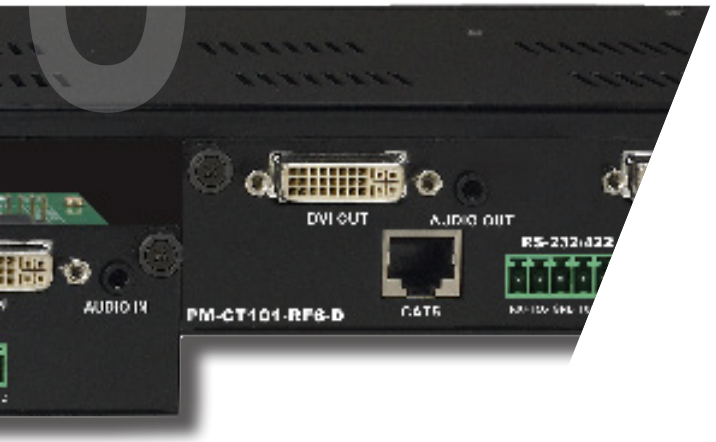
OPEN UP THE POSSIBILITIES

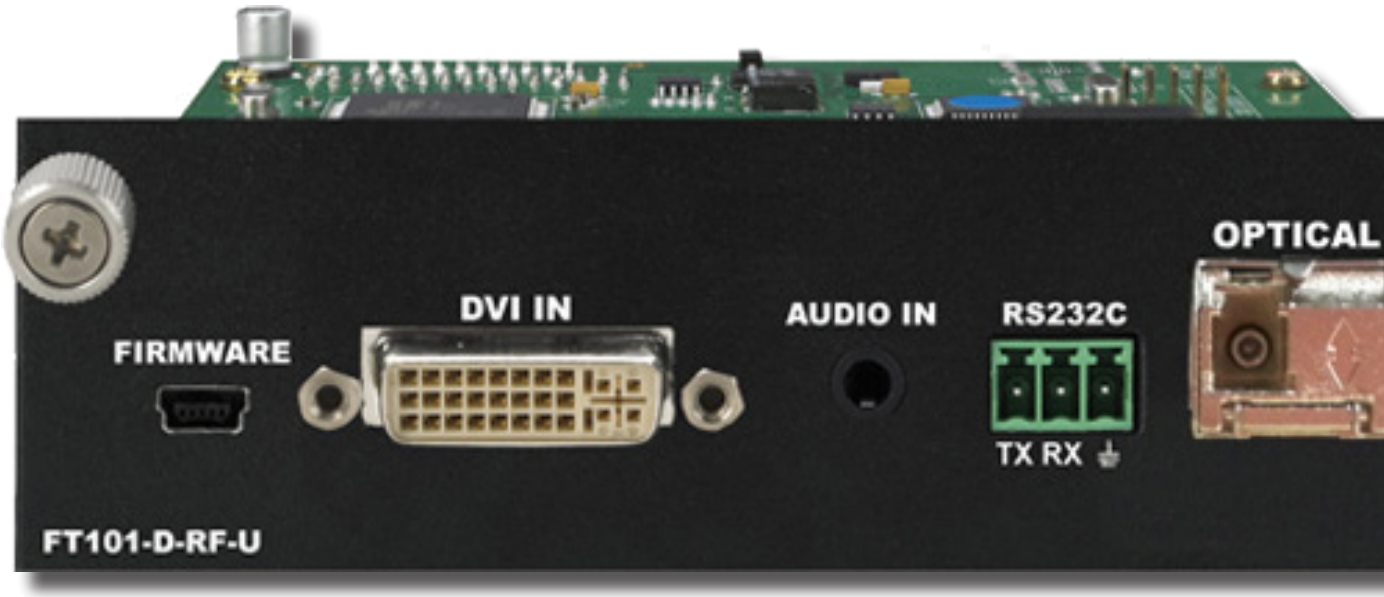
With intuitive touch screen menus and a complete external control command set, PureMedia provides the features and functions that meet the unique requirements of each application. Third party control modules allow remote operation and automation of PM matrix switchers, providing a fully customizable solution that delivers a seamless user experience.

MAKE IT YOUR OWN



MAKE IT YOURS





PureLink
PM-256x
256x256 Cross-Platform Modular Matrix Router
PureLink
PM-80x
80x80 Cross-Platform Modular Matrix Router
PureLink
PM-48x
48x48 Cross-Platform Modular Matrix Router
PureLink
PM-16X
16X16 Cross-Platform Modular Matrix Router

PM FRAME OPTIONS

PM Main Frame Option

PM-8X	8x8 Cross-Platform Digital Modular Matrix Switcher Frame
PM-16X	16x16 Cross-Platform Digital Modular Matrix Switcher Frame
PM-32X	32x32 Cross-Platform Digital Modular Matrix Switcher Frame
PM-48X	48x48 Cross-Platform Digital Modular Matrix Switcher Frame
PM-64X	64x64 Cross-Platform Digital Modular Matrix Switcher Frame
PM-80X	80x80 Cross-Platform Digital Modular Matrix Switcher Frame
PM-128X	128x128 Cross-Platform Digital Modular Matrix Switcher Frame
PM-256X	256x256 Cross-Platform Digital Modular Matrix Switcher Frame

PM Audio Matrix Switcher Option

PM-8X-AD	Internal 8x8 Balanced/Unbalanced Audio Matrix Router for PM-8X
PM-16X-AD	Internal 16x16 Balanced/Unbalanced Audio Matrix Router for PM-16X
PM-32X-AD	Internal 32x32 Balanced/Unbalanced Audio Matrix Router for PM-32X
PM-80X-AD	Custom Balanced/Unbalanced Audio Matrix Routing Add-on for PM-80X
PM-128X-AD	Custom Balanced/Unbalanced Audio Matrix Routing Add-on for PM-128X
PM-256X-AD	Custom Balanced/Unbalanced Audio Matrix Routing Add-on for PM-256X

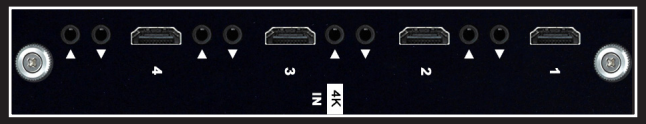
PM Power Supply Add-On Packages

PM-16X-PS	150W x 2 Power Supply Add-On for PM-16X
PM-32X-PS	300W x 2 Power Supply Add-On for PM-32X

INPUT CARD OPTIONS

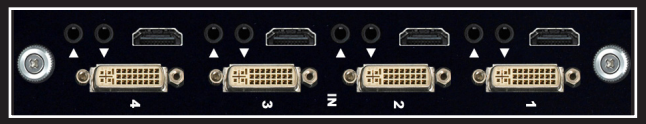
HDMI

PM-HIS4
4 HDMI Inputs with Audio Insert/Extract - Full HD

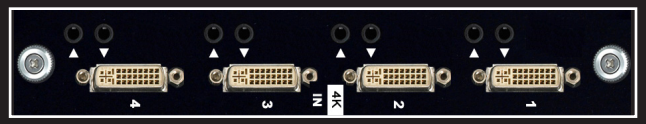


PM-HIS4-U
4 HDMI Inputs with Audio Insert/Extract - Ultra HD 4K

DVI

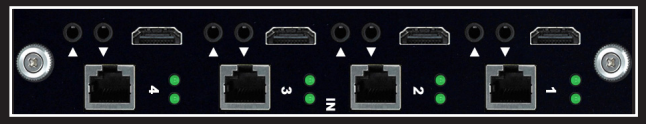


PM-DIS4
4 DVI & HDMI Inputs with Audio Insert/Extract - Full HD

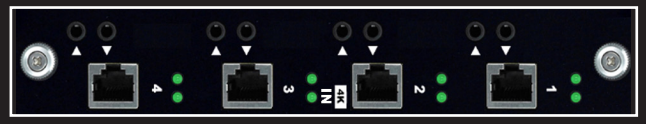


PM-DIS4-U
4 DVI Inputs with Audio Insert/Extract - Ultra HD 4K

HDBaseT



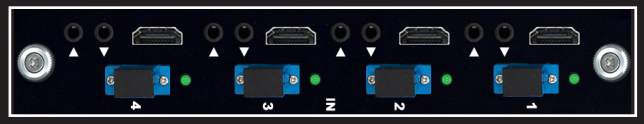
PM-CIS4
4 HDBaseT & HDMI Inputs
with Audio Insert/Extract - Full HD



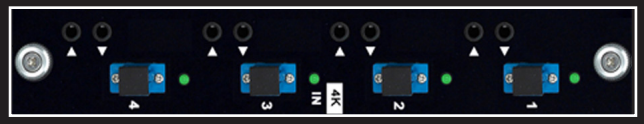
PM-CIS4-U
4 HDBaseT Inputs
with Audio Insert/Extract - Ultra HD 4K

INPUT CARD OPTIONS

Fiber

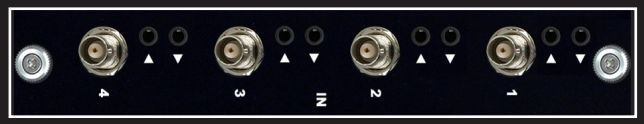


PM-FIS4
4 2 LC Fiber & HDMI Inputs
with Audio Insert/Extract - Full HD

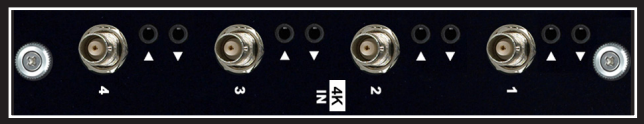


PM-FIS4-U
4 1 LC Fiber Inputs
with Audio Insert/Extract - Ultra HD 4K

SDI

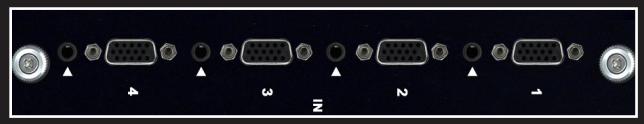


PM-SIS4
4 3G HD-SDI Inputs with Audio Insert/Extract - Full HD



PM-SIS4-U
4 6G HD-SDI Inputs with Audio Insert/Extract - Ultra HD 4K

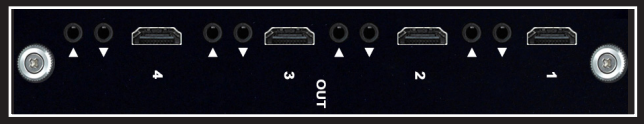
VGA



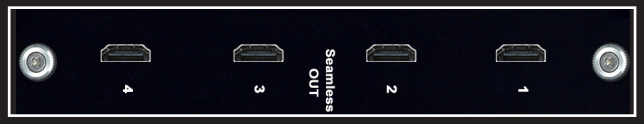
PM-AIS4
4 VGA Inputs with Audio Insert - Full HD

Output card options

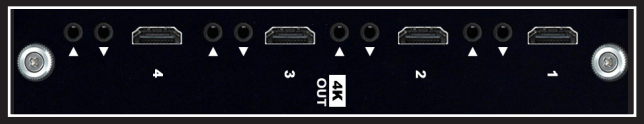
HDMI



PM-HOS4
4 HDMI Outputs
with Audio Insert/Extract - Full HD



PM-HOS4S
4 HDMI Outputs with
Auto-scaling & Seamless Switching - Full HD

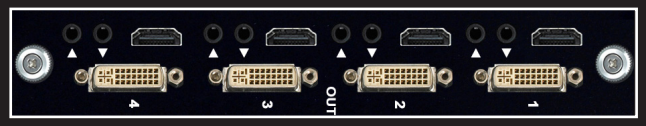


PM-HOS4-U
4 HDMI Outputs with Audio Insert/Extract - Ultra HD 4K

PM-HOS4S-U
4 HDMI Outputs
with Auto-scaling & Seamless Switching - Ultra HD 4K

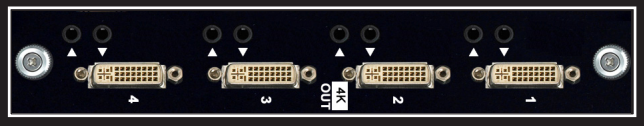
Output card options

DVI



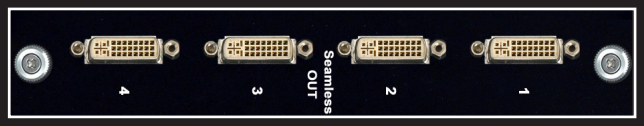
PM-DOS4

4 DVI & HDMI Outputs with Audio Insert/Extract - Full HD



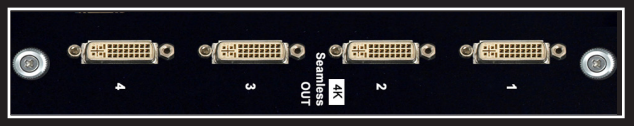
PM-DOS4-U

4 DVI Outputs with Audio Insert/Extract - Ultra HD 4K



PM-DOS4S

4 DVI Outputs
with Auto-scaling & Seamless Switching - Full HD



PM-DOS4S-U

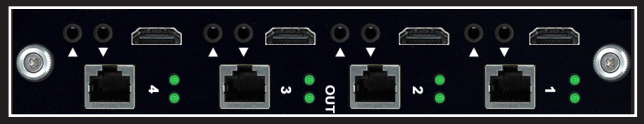
4 DVI Outputs
with Auto-scaling & Seamless Switching - Ultra HD 4K

PM-DOS4-QV

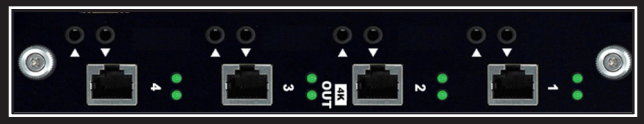
1 Quad-View DVI Output - Full HD

Output card options

HDBaseT

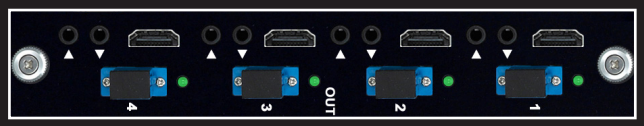


PM-COS4
4 HDBaseT & HDMI Outputs
with Audio Insert/Extract - Full HD



PM-COS4-U
4 HDBaseT Outputs
with Audio Insert/Extract - Ultra HD 4K

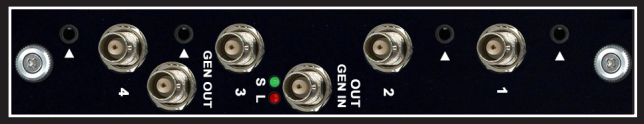
Fiber



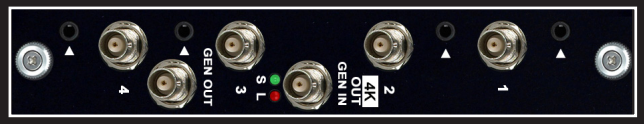
PM-FOS4
4 2 LC Fiber & HDMI Outputs
with Audio Insert/Extract - Full HD

PM-FOS4-U
4 1 LC Fiber Outputs
with Audio Insert/Extract - Ultra HD 4K

SDI



PM-SOS4
4 3G HD-SDI Outputs with Audio Insert - Full HD



PM-SOS4-U
4 6G HD-SDI Outputs
with Audio Insert - Ultra HD 4K

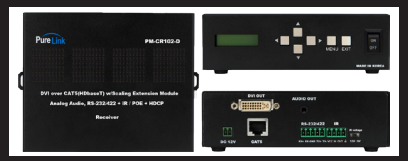
EXTENDER OPTIONS

2K HDBaseT Transmitter Option Packages

PM-CT101
HDMI to HDBaseT Transmitter with IR & RS-232 - Full HD

PM-CT101-D
DVI to HDBaseT Transmitter with IR & RS-232 - Full HD

PM-CT102
HDMI/VGA to HDBaseT Transmitter with IR & RS-232 - Full HD



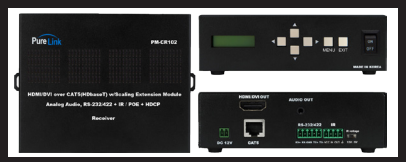
PM-CT102-D
DVI/VGA to HDBaseT Transmitter with IR & RS-232 - Full HD

PM-CT103
HDMI/VGA to HDBaseT Transmitter with RS-232 - Wall Plate - Full HD

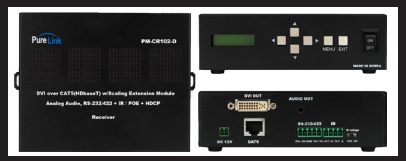
2K HDBaseT Receiver Option Packages

PM-CR101
HDBaseT to HDMI Receiver with IR & RS-232 - Full HD

PM-CR101-D
HDBaseT to DVI Receiver with IR & RS-232 - Full HD



PM-CR102
HDBaseT to HDMI Receiver with Auto-scaling & Seamless Switching - Full HD

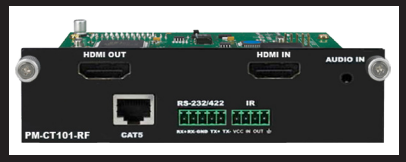


PM-CR102-D
HDBaseT to DVI Receiver with Auto-scaling & Seamless Switching - Full HD

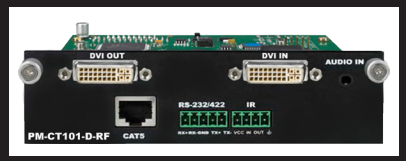
PM-CR103
HDBaseT to HDMI Receiver with RS-232 - Wall Plate - Full HD

EXTENDER OPTIONS

2K RF HDBaseT Transmitter Option Packages



PM-CT101-RF
HDMI to HDBaseT Transmitter with IR & RS-232 - RF Series - Full HD



PM-CT101-D-RF
DVI to HDBaseT Transmitter with IR & RS-232 - RF Series - Full HD

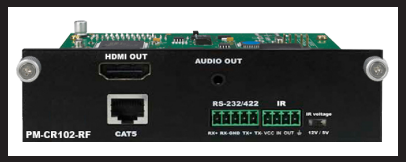
PM-CT102-RF
HDMI/VGA to HDBaseT Transmitter with IR & RS-232 - RF Series - Full HD

PM-CT102-D-RF
DVI/VGA to HDBaseT Transmitter with IR & RS-232 - RF Series - Full HD

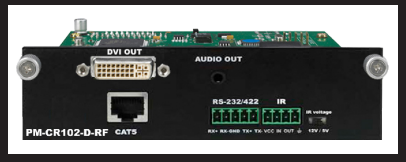
2K RF HDBaseT Receiver Option Packages

PM-CR101-RF
HDBaseT to HDMI Receiver with IR & RS-232 - RF Series - Full HD

PM-CR101-D-RF
HDBaseT to DVI Receiver with IR & RS-232 - RF Series - Full HD



PM-CR102-RF
HDBaseT to HDMI Receiver with Auto-scaling & Seamless Switching - RF Series - Full HD



PM-CR102-D-RF
HDBaseT to DVI Receiver with Auto-scaling & Seamless Switching - RF Series - Full HD

EXTENDER OPTIONS

4K HDBaseT Transmitter Option Packages

PM-CT101-U
HDMI to HDBaseT Transmitter with RS-232 - Ultra HD 4K

PM-CT101-U-D
DVI to HDBaseT Transmitter with RS-232 - Ultra HD 4K

PM-CT102-U
HDMI/VGA to HDBaseT Transmitter with RS-232 - Ultra HD 4K

PM-CT102-U-D
DVI/VGA to HDBaseT Transmitter with RS-232 - Ultra HD 4K

PM-CT103-U
HDMI/VGA to HDBaseT Transmitter with RS-232 - Wall Plate - Ultra HD 4K

4K HDBaseT Receiver Option Packages

PM-CR101-U
HDBaseT to HDMI Receiver with RS-232 - Ultra HD 4K

PM-CR101-U-D
HDBaseT to DVI Receiver with RS-232 - Ultra HD 4K

PM-CR102-U
HDBaseT to HDMI Receiver with Auto-scaling & Seamless Switching - Ultra HD 4K

PM-CR102-U-D
HDBaseT to DVI Receiver with Auto-scaling & Seamless Switching - Ultra HD 4K

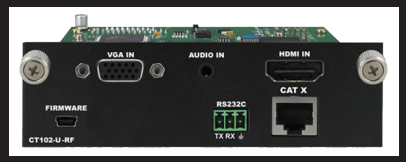
PM-CR103-U
HDBaseT to HDMI Receiver with RS-232 - Wall Plate - Ultra HD 4K

EXTENDER OPTIONS

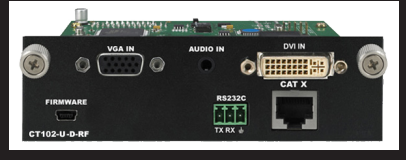
4K RF HDBaseT Transmitter Option Packages

PM-CT101-U-RF
HDMI to HDBaseT Transmitter with RS-232 - RF Series - Ultra HD 4K

PM-CT101-U-D-RF
DVI to HDBaseT Transmitter with RS-232 - RF Series - Ultra HD 4K



PM-CT102-U-RF
HDMI/VGA to HDBaseT Transmitter with RS-232 - RF Series - Ultra HD 4K



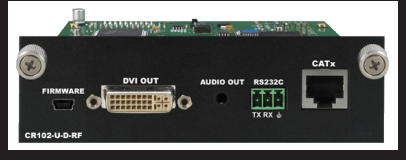
PM-CT102-U-D-RF
DVI/VGA to HDBaseT Transmitter with RS-232 - RF Series - Ultra HD 4K

4K RF HDBaseT Receiver Option Packages

PM-CR101-U-RF
HDBaseT to HDMI Receiver with RS-232 - RF Series - Ultra HD 4K

PM-CR101-U-D-RF
HDBaseT to DVI Receiver with RS-232 - RF Series - Ultra HD 4K

PM-CR102-U-RF
HDBaseT to HDMI Receiver with Auto-scaling & Seamless Switching - RF Series - Ultra HD 4K

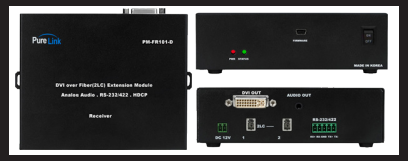


PM-CR102-U-D-RF
HDBaseT to DVI Receiver with Auto-scaling & Seamless Switching - RF Series - Ultra HD 4K

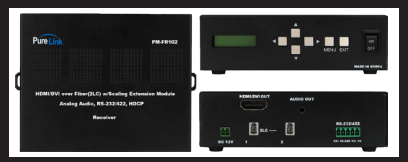
EXTENDER OPTIONS

2K Fiber Optic Transmitter Option Packages

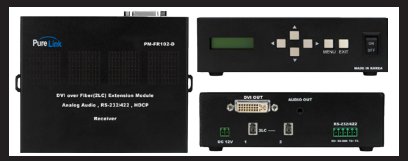
PM-FT101
HDMI to 2 LC Fiber Transmitter with RS-232 - Full HD



PM-FT101-D
DVI to 2 LC Fiber Transmitter with RS-232 - Full HD



PM-FT102
HDMI/VGA to 2 LC Fiber Transmitter with RS-232 - Full HD

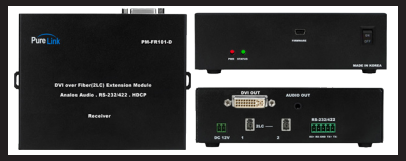


PM-FT102-D
DVI/VGA to 2 LC Fiber Transmitter with RS-232 - Full HD

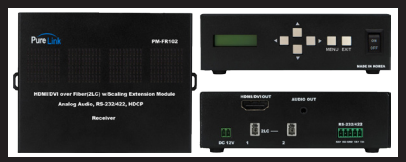
PM-FT103
HDMI/VGA to 2 LC Fiber Transmitter with RS-232 - Wall Plate - Full HD

2K Fiber Optic Receiver Option Packages

PM-FR101
2 LC to HDMI Fiber Receiver with RS-232 - Full HD



PM-FR101-D
2 LC Fiber to DVI Receiver with RS-232 - Full HD



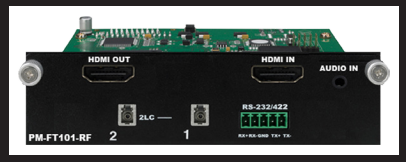
PM-FR102
2 LC Fiber to HDMI Receiver with Auto-scaling & Seamless Switching - Full HD

PM-FR102-D
2 LC Fiber to DVI Receiver with Auto-scaling & Seamless Switching - Full HD

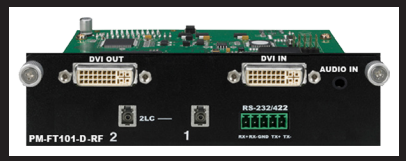
PM-FR103
2 LC Fiber to HDMI Receiver with RS-232 - Wall Plate - Full HD

EXTENDER OPTIONS

2K RF Fiber Optic Transmitter Option Packages

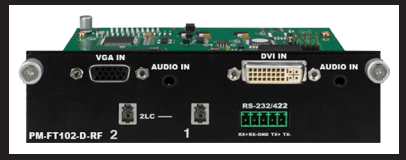


PM-FT101-RF
HDMI to 2 LC Fiber Transmitter with RS-232 - RF Series - Full HD



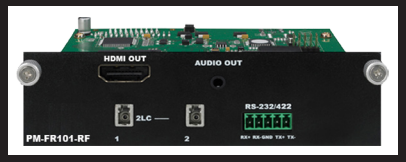
PM-FT101-D-RF
DVI to 2 LC Fiber Transmitter with RS-232 - RF Series - Full HD

PM-FT102-RF
HDMI/VGA to 2 LC Fiber Transmitter with RS-232 - RF Series - Full HD

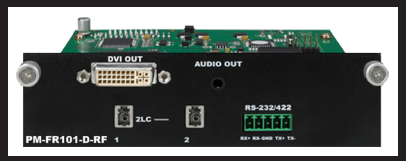


PM-FT102-D-RF
DVI/VGA to 2 LC Fiber Transmitter with RS-232 - RF Series - Full HD

2K RF Fiber Optic Receiver Option Packages

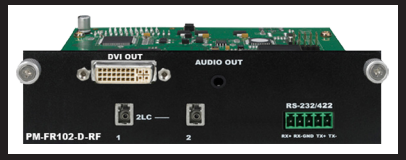


PM-FR101-RF
2 LC Fiber to HDMI Receiver with RS-232 - RF Series - Full HD



PM-FR101-D-RF
2 LC Fiber to DVI Receiver with RS-232 - RF Series - Full HD

PM-FR102-RF
2 LC Fiber to HDMI Receiver with Auto-scaling & Seamless Switching - RF Series - Full HD



PM-FR102-D-RF
2 LC Fiber to DVI Receiver with Auto-scaling & Seamless Switching - RF Series - Full HD

EXTENDER OPTIONS

4K Fiber Optic Transmitter Option Packages

PM-FT101-U
HDMI to 1 LC Fiber Transmitter with RS-232 - Ultra HD 4K

PM-FT101-U-D
DVI to 1 LC Fiber Transmitter with RS-232 - Ultra HD 4K

PM-FT102-U
HDMI/VGA to 1 LC Fiber Transmitter with RS-232 - Ultra HD 4K

PM-FT102-U-D
DVI/VGA to 1 LC Fiber Transmitter with RS-232 - Ultra HD 4K

PM-FT103-U
HDMI/VGA to 1 LC Fiber Transmitter with RS-232 - Wall Plate - Ultra HD 4K

4K Fiber Optic Receiver Option Packages

PM-FR101-U
1 LC Fiber to HDMI Receiver with RS-232 - Ultra HD 4K

PM-FR101-U-D
1 LC Fiber to DVI Receiver with RS-232 - Ultra HD 4K

PM-FR102-U
1 LC Fiber to HDMI Receiver with Auto-scaling & Seamless Switching - Ultra HD 4K

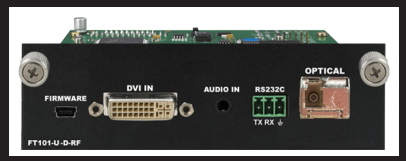
PM-FR102-U-D
1 LC Fiber to DVI Receiver with Auto-scaling & Seamless Switching - Ultra HD 4K

PM-FR103-U
1 LC Fiber to HDMI Receiver with RS-232 - Wall Plate - Ultra HD 4K

EXTENDER OPTIONS

4K RF Fiber Optic Transmitter Option Packages

PM-FT101-U-RF
HDMI to 1 LC Fiber Transmitter with RS-232 - RF Series - Ultra HD 4K



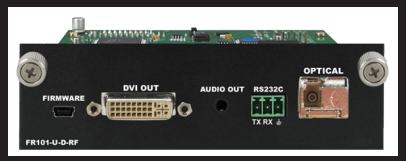
PM-FT101-U-D-RF
DVI to 1 LC Fiber Transmitter with RS-232 - RF Series - Ultra HD 4K

PM-FT102-U-RF
HDMI/VGA to 1 LC Fiber Transmitter with RS-232 - RF Series - Ultra HD 4K

PM-FT102-U-D-RF
DVI/VGA to 1 LC Fiber Transmitter with RS-232 - RF Series - Ultra HD 4K

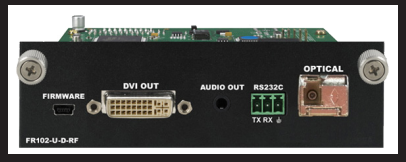
4K RF Fiber Optic Receiver Option Packages

PM-FR101-U-RF
1 LC Fiber to HDMI Receiver with RS-232 - RF Series - Ultra HD 4K



PM-FR101-U-D-RF
1 LC Fiber to DVI Receiver with RS-232 - RF Series - Ultra HD 4K

PM-FR102-U-RF
1 LC Fiber to HDMI Receiver with Auto-scaling & Seamless Switching - RF Series - Ultra HD 4K



PM-FR102-U-D-RF
1 LC Fiber to DVI Receiver with Auto-scaling & Seamless Switching - RF Series - Ultra HD 4K

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