

MACOM's 12G Crosspoint Enables FOR-A's Next Generation Routing Switcher for 4K and 8K Video

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- *MACOM's M21605 supports up to 160 12G-SDI inputs and outputs*
- *The MFR-4000 Routing Switcher supports 12G-SDI on all 72 inputs and 72 outputs*
- *MACOM's Crosspoint Solutions will be showcased at IBC 2017*

LOWELL, Mass.--(BUSINESS WIRE)-- [MACOM Technology Solutions Inc.](#) ("MACOM"), today announced that FOR-A has selected their [M21605G-12](#) 160x160 port 12.8G crosspoint for FOR-A's new MFR-4000 routing switcher. FOR-A's system utilizes MACOM's crosspoint to enable single cable transfer of 4K video over 12G-SDI without complex cabling and utilizing fewer channels than traditional 3G-SDI systems.

MACOM's 160x160 [M21605G-12](#) crosspoint switch combines multi-rate broadcast video routing and switching in a single device, with each switching path operating independently at any data rate of up to 12.8 Gbps. The resulting groundbreaking bandwidth provides a critical ingredient for broadcast equipment manufacturers who are designing and building next-generation higher-speed systems capable of supporting serial uncompressed UHDTV serial digital interface (SDI) covering both rates at 10.692 Gbps and 11.88 Gbps. MACOM's device also supports higher density HD/3G systems by enabling transmission of up to four 3G SDI streams or eight HD SDI streams. The crosspoint switch is backward-compatible with lower speed SDI interfaces, providing a seamless migration path to higher data rates.

"By leveraging MACOM's ability to support 12G-SDI, we are able to build a system that simplifies implementation and provides greater flexibility in handling different SDI rates," said Hidefumi Hamaguchi, General Manager of SDR Development Department, FOR-A. "This enabled us to develop a state of the art platform that supports multi-format video and provides broadcasters an ideal solution for the migration to 4K."

"As broadcast transitions to 4K, the need for higher density switching fabrics becomes critical," said Gary Shah, Vice President and Business Line Manager, High-Performance Analog, at MACOM. "Our 160x160 port device enables system manufacturers to lower their total cost over a quad-link 3G architecture while simplifying their infrastructure with single link 12G-SDI. MACOM is happy to collaborate with industry leaders like FOR-A to make this a reality."

MACOM will showcase a complete portfolio of cable equalizers, cable drivers, reclockers and crosspoint switches supporting 12G-SDI at IBC, Booth #10.D12, September 15th-19th in At the RAI Convention Center in Amsterdam. To make an appointment, contact your local sales representative. For more information on MACOM's extensive broadcast video portfolio visit: www.macom.com.

ABOUT MACOM:

MACOM is a new breed of analog semiconductor company — one that delivers a unique combination of high growth, diversification and high profitability. We are enabling a better-connected and safer world by delivering breakthrough semiconductor technologies for optical, wireless and satellite networks that satisfy society's insatiable demand for information.

Today, MACOM powers the infrastructure that millions of lives and livelihoods depend on every minute to communicate, transact business, travel, stay informed and be entertained. Our technology increases the speed and coverage of the mobile Internet and enables fiber optic networks to carry previously unimaginable volumes of traffic to businesses, homes and Data Centers.

Keeping us all safe, MACOM technology enables next-generation radars for air traffic control and weather forecasting, as well as mission success on the modern networked battlefield.

MACOM is the partner of choice to the world's leading communications infrastructure and aerospace and defense companies, helping solve their most complex challenges in areas including network capacity, signal coverage, energy efficiency, and field reliability, through its best-in-class team and broad portfolio of RF, microwave, millimeterwave and lightwave semiconductor products.

MACOM is a pillar of the semiconductor industry, thriving for more than 60 years of daring to change the world for the better through bold technological strokes that deliver true competitive advantage to customers and superior value to investors.

Headquartered in Lowell, Massachusetts, MACOM is certified to the ISO9001 international quality standard and ISO14001 environmental management standard. MACOM has design centers and sales offices throughout North America, Europe, Asia and Australia.

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For more information about MACOM, please visit www.macom.com or follow [@MACOMtweets](#) on Twitter, join MACOM on [LinkedIn](#), Weibo and WeChat, or visit the MACOM [YouTube Channel](#).

About FOR-A

FOR-A, a worldwide, industry-leading manufacturer, offers a wide range of Broadcast and Production products with a focus on cutting-edge technologies including: HD, 4K and IP Products.

FOR-A continues to offer future-ready, cost effective, advanced technology solutions. Products include: Video Switchers, Routing Switchers, Multi

Viewers, Full 4K High-Speed Cameras, IP Encoders/Decoders, Multi-Channel Signal Processors, 8K/4K/HD Test Signal Generators, Color Correctors, Frame Synchronizers, File-Based Products, Character Generators, Video Servers and much more.

For a full range of HD and 4K Production and Processing solutions, as well as IP-Based Products, visit our web site at www.for-a.com.

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