

Mobile TV Group Selects LYNX Technik yellobrik for its critical CWDM Outside Broadcast Fiber

LYNXTechnik **AG**
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Mobile TV Group Colorado Studios

www.mobiletvgroup.com
Colorado USA



EQUIPMENT LIST

LYNX Technik yellobriks

OCM 1891

9 Channel CWDM Optical
Mux/Demux (1270-1430nm)

OCM 1892

9 Channel CWDM Optical
Mux/Demux (1450-1610nm)

OTT 1842

Dual 3Gbit SDI to Fiber
Optic Transmitter - (CWDM)

ORR 1802

Dual 3Gbit Fiber Optic to
SDI Receiver

RFR 1018 - 19" Frame

RFR 1000 - Rackmount
Chassis for yellobriks

Mobile TV Group through its Colorado Studios systems integration division purchased two large yellobrik CWDM fiber systems for its high definition outside broadcast production trucks.

Mobile TV Group is using the yellobrik systems throughout the United States for live sports and entertainment production in its next generation 53-foot 36HDX and 37HDX mobile production trucks.

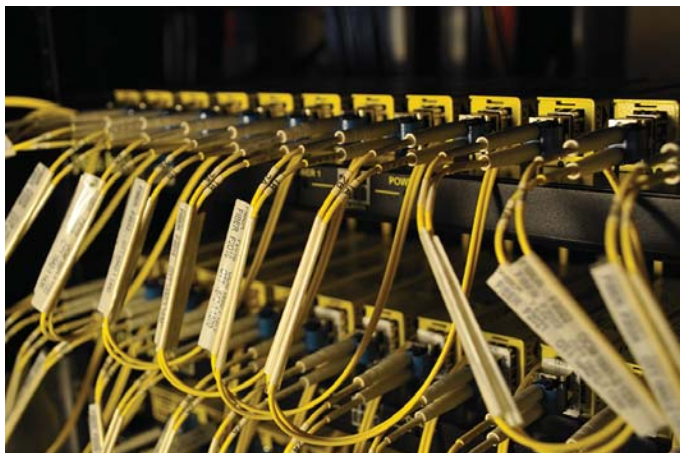
MTVG purchased two feature-packed yellobrik CWDM fiber systems to address a key challenge: they needed to link two production trucks to function as one fully integrated unit – a main equipment truck (MU) and a second companion truck (VMU) that serves as a user interface – all while using fiber instead of traditional coax. With this side-by-side dual mobile unit solution, MTVG is using yellobrik solutions to transmit and receive up to 56 HD-SDI signals flawlessly using only two fiber links. The main mobile truck houses the key equipment control room and electronics, and the second truck functions as an operator interface and monitoring vehicle connected to the main truck. This model provides an advanced technological solution for both home and visitor sports production teams.

Colorado Studios / Mobile TV Group 37HDX+VMU mobile production trucks



Mobile TV Group is Using Two Large LYNX Technik yellobrik Systems for its critical CWDM Outside Broadcast Fiber Needs

According to MTVG, the LYNX Technik was the only manufacturer they could find that provided the full 18 wavelengths of CWDM coverage. The yellobriks support all wavelengths from 1270nm through 1610nm, which allows MTVG to maximize the number of HD-SDI feeds they can carry per strand of fiber. In addition, yellobriks offer passive optical multiplexing, which lessens the possibility of signal transmission failure.



yellobrik CWDM Fiber solutions installed in Colorado Studios 37HDX Truck

MTVG carries 56 signal paths on the yellobrik systems: 38 signals from the main mobile unit (MU) to the companion unit (VMU), and 18 from the VMU to the MU. The companion unit is fully networked to the main unit with extensive fiber connectivity. Yellobrik carries SDI links over fiber back and forth between the dual trucks to aid in the visual display monitoring of signals, deliver and receive embedded audio, and interface with a number of other systems in the main truck. The yellobrik's are interfacing with a large variety of equipment including cameras, switchers, routers, servers, multiviewers and graphics engines.

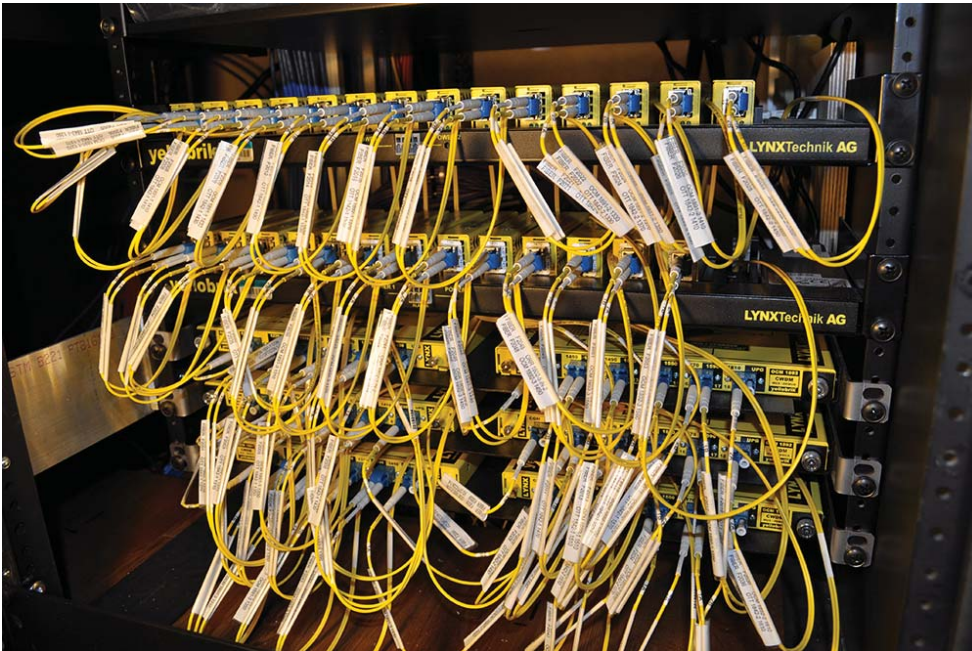


Colorado Studios / Mobile TV Group Replay Room in 37HDX truck

Mobile TV Group is Using Two Large LYNX Technik yellobrik Systems for its critical CWDM Outside Broadcast Fiber Needs

MTVG is utilizing yellobrik CWDM SDI to fiber converters, fiber to SDI receivers, as well as CWDM multiplexers to meet this challenge. The OCM 1891 yellobrik mux/demux are compact CWDM passive 9 channel optical multiplexer / demultiplexer designed to send or receive up to 9 individual signals over a single fiber link. MTVG is using this modules upgrade port to connect to the OCM 1892, which expands the capability of the modules to 18 CWDM channels. These devices are capable of multiplexing multiple signals over a single fiber and then splitting them back into individual signals when received.

The OTT 1842 CWDM SDI to fiber converters and ORR 1802 fiber to SDI receivers provide a very cost-effective CWDM fiber transmission system for up to 18 signals in a single fiber link. All yellobrik fiber solutions are designed to combat the restrictions involved with the distribution of uncompressed broadcast quality video signals over long distances.



Rack of LYNX Technik yellobrik CWDM Fiber solutions installed in Colorado Studios 37HDX Truck

"We chose the LYNX Technik yellobrik equipment because it has the advanced capabilities that allow us to utilize an integrated fiber solution for our production truck workflow. We are extremely happy with the performance of the yellobrik solutions, and they have enabled us to move forward with a technologically advanced and compact solution at an affordable price – something we couldn't accomplish before."

*-- Philip Garvin, President, GM
Colorado Studios
Mobile TV Group*

In addition to their out-of-the-box, simple plug-and-play functionality, and multi-format support, yellobrik's are the perfect choice where space is of concern. With easy configuration and setup, the MTVG team is able to focus on the key elements of event production with peace of mind about the yellobrik's performance and fiber connectivity.

Mobile TV Group and Colorado Studios have designed and built a wide variety of HD outside broadcast mobile production trucks, which cover live games for a number of NBA, NHL, and Major League Baseball teams. Many of the games are broadcast on Fox Sports, Root Sports, Altitude and Comcast Sports Networks.

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