

## PRESS RELEASE



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For Immediate Release

### **BrooMan MUX22 ensures pristine signal and data transmission for first ever Augmented Reality production at *Singapore National Day Parade***

### **Total Solution Marketing supports The Show Company Ptd Ltd for display at The Float @ Marina Bay**

BrooMan MUX22 fiber multiplexer and Repeat 48 3G/HD/SD-SDI Video/MADI fiber extender were provided by Total Solution Marketing (TSM), along with full service support, for the recent *Singapore National Day* celebrations. The event this year was rescheduled by the Government from its traditional August 9<sup>th</sup> date to August 21<sup>st</sup> due to the increase in COVID-19 cases.

These interfaces were deployed by The Show Company Pte Ltd, the appointed vendor of the Multimedia Committee for this year's *National Day Parade*. The fiber-based solutions were used between transmitters and receivers, across distances averaging 250 metres—over LC multimode fiber to three different camera locations.

This enabled all data to be transported over a single duplex fiber, thus reducing the number of the cables otherwise necessary over long distances. At the same time it ensured extremely low latency in the transmission.

CWDM-equipped MUX22 devices, configured 8 x 3G/HD/SD-SDI In/Out, and with RTS 4-wire intercom, were used in all Augmented Reality (AR) camera transmissions: Camera Signal Out (HD-SDI 1080p@50Hz); Camera PGM In (HD-SDI 1080p@50Hz); External Sync via Genlock sync generator (black burst), as well as IP addresses in the form of Lens Data for Camera Tracking and IR Sensor; Camera Tracking Data and Robotic Arm Remote Control.

The Show Company Pte Ltd also used Repeat 48 as a means of signal transmission over a multicore singlemode fiber to send six channels of HD-SDI LED content feeds (three main signals and three back-up) to Mediacorp's OB truck. These signals comprised Graphical Content (in 16:9 aspect ratio); LED Program Feed (in 16:9) and Multi-Cam Production Program Mix (with subtitles).

The spectacular event itself was divided into a main parade, at the Marina Bay Floating Platform, and then the show itself—a spectacular song-and-dance extravaganza. While both the Parade and show segment had to be scaled back for Covid reasons, as always it provided a fitting commemoration of Singapore's independence in 1965, with a riveting aerial display enjoyed by around 1,000 people the main highlight.

Delivered in Singapore's four official languages, the *National Day* show was broadcast across Mediacorp's free-to-air TV channels, as well as radio stations, their own digital streaming platform, meWATCH and YouTube.

For further information ...

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***Pics attached***

**About BroaMan**

BroaMan (Broadcast Manufactur GmbH) is the company behind high quality products made in Germany, that are aimed at broadcasters as well as production companies, sport facilities, professional AV integrators and many more applications. The company offers customised solutions as well as standard devices for every application that requires SD/HD/3G video transport or routing – whether a big and complex system for broadcast studio or OB Van, or a simple point to point for a small church, conference hall, etc. With DiViNe (Digital Video Network) all open standards can be integrated — digital video, audio and data — on the same fiber infrastructure. One of the main differentiators from other companies providing video over fiber solutions is the approach. BroaMan's customers can order a video system on demand, which is unique, and requires a different level of complexity and features, and yet it still has the best price ratio on the market. BroaMan systems are tailored to match the customer's needs. Besides tailor made systems, BroaMan offers Standard Devices, which includes the Mux22 BNC Intercom. For the complete list of Standard Devices see: <http://www.broadcastmanufactur.com/index.php/news-events/news/198-faster-delivery-time>. BroaMan has over 25 years of experience in creating fiber infrastructures and has provided many products for use in the portfolios of well establish companies such as ClearCom, DiGiCo, RTS and many more.