

MEDIA COMBINER



TX Rear



Please note that 1915 has a single output

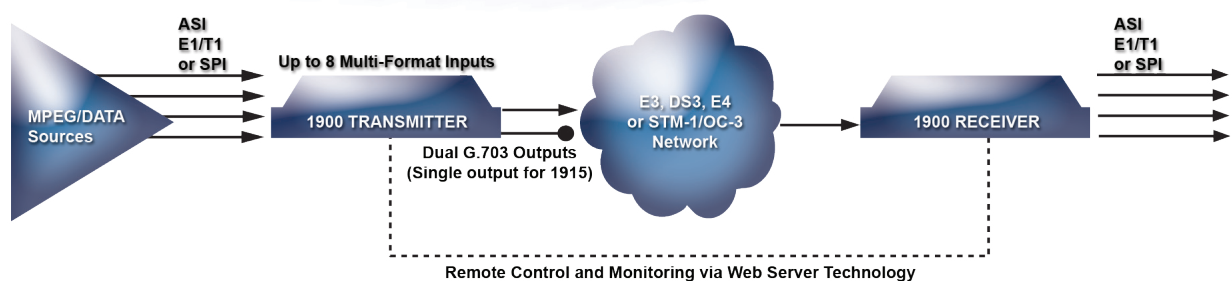
RX Rear



Media Combiner - FEATURES and BENEFITS

- Optimise bandwidth usage for those situations when transported broadcast signals are significantly lower in bandwidth than available telecom circuits.
- Combine up to 8 differing input formats whilst maintaining full bandwidth management per channel.
- Interactivity and Simple Configuration are key features of this system. The units all have a front panel interface and contact relays for external control and monitoring. The systems flexibility also allows the addition and removal of channels without affecting live traffic flow.
- This system takes advantage of the maximum payload whilst maintaining concern for programme integrity by offering two levels of Reed-Solomon forward error correction, together with convolutional interleaving.
- The proven flexibility and reliability of this unit is underlined by the fact that it offers additional remote control / monitoring from the Web Server and total bandwidth control on each channel. Put simply, the unit allows the user to manage and optimise their bandwidth usage to gain maximum economic application from their networks.
- Contact A•R•G to find how we can help you to make the most of your broadcast transport network.

APPLICATION



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Versions Available

Unit Type	1934 (E3)	1945 (DS3 Unframed)	1945 (DS3 Framed)	1914 (E4)	1915 (STM-1/OC-3)
Line Coding	HDB-3	B3ZS	B3ZS	CMI	CMI
Line Rate	34.368 Mb/s	44.736 Mb/s	44.736 Mb/s	139.264 Mb/s	155.52 Mb/s
Max Data Rate 192	31.392 Mb/s	41.604 Mb/s	41.115 Mb/s	129.608 Mb/s	140.40 Mb/s
Max Data Rate 204	30.24 Mb/s	39.368 Mb/s	38.904 Mb/s	122.64Mb/s	132.14 Mb/s

Technical Specifications

Data Module Options

DVB ASI Module
SPI (LVDS) Module
E1/T1 Module
Each module has dual inputs or outputs
Up to four modules can be fitted

Telecom Module Options

Complies with ITU-T G.703
Jitter compliance: ITU-T G.823
Single Module with dual outputs including:
E3 - 34 Mb/s Unframed (copper)
DS3 - 45 Mb/s Framed or Unframed (copper)
E4 - 140 Mb/s Unframed (copper)
STM-1/OC-3 - 155 Mb/s Framed (copper or optical)

System Error Correction

Reed-Solomon FEC, selectable 4 byte (192 Frame)
and 16 byte (204 Frame) formats
Convolutional Interleaving

Management and Control

Front Panel Interface for local control
Monitoring is provided via connectors on the rear panel

Mechanical

Height: 43.6mm (1U)
Width: 482.6mm (19")
Depth: 383mm (15") incl. connectors
Weight: 5.6kg (12.3lbs) (Depending on modules fitted)

Power Supply

Dual supply, single phase auto-ranging
Choice of: 100-240VAC (50-60Hz)
or: 48V DC (factory fitted option)

Environmental

Operating temperature: 0°C to 40°C
Storage temperature: -5°C to 70°C

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