

DR25xxLD-S

Modular 2-way Diversity Receiver



> Applications

- Electronic News Gathering
- Live Events
- Mobile or Fixed operation
- OB-Van
- Repeater (Option)

> Features

- Modular System
- Low System Delay 40ms
- Compact Size
- High Performance FFT-MRC Diversity
- COFDM 2k Standard
- UHF or RF Inputs
- Integrated Down Converters**
- SDI output
- ASI input
- ASI output
- IP Streaming*
- AES Encryption*

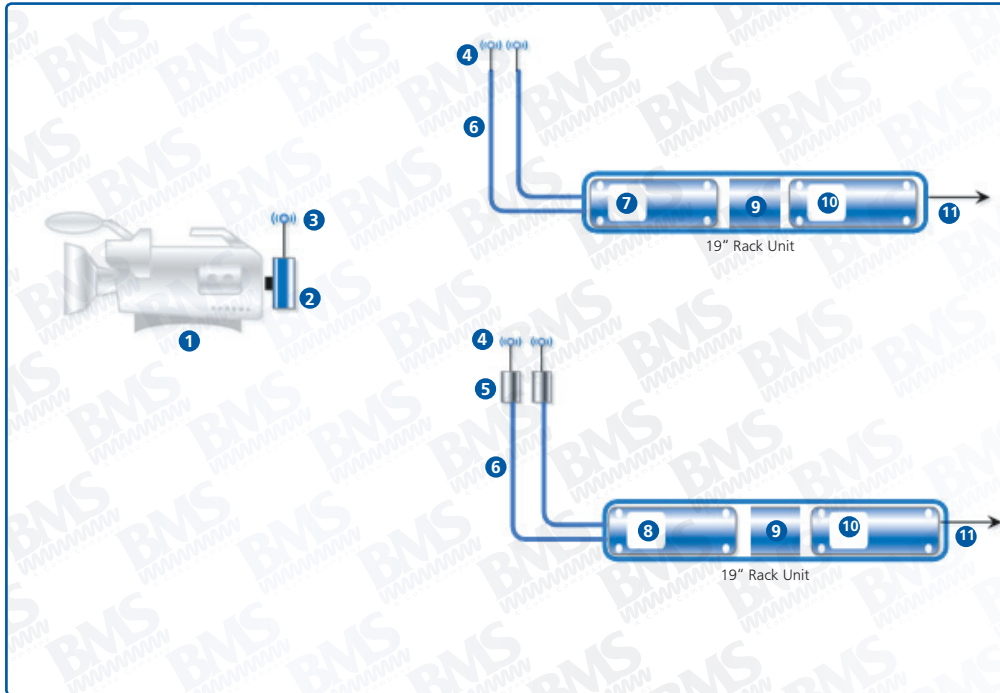
> Performance

The next generation of COFDM receiver technology provides the flexibility to be individually customer defined. The new BMS modular system provides single or multi-use combinations. Specifically developed for use in mobile applications, the compact design of this diversity receiver allows it to be used with the greatest flexibility. The latest technology enables the device to have a minimum level of system delay and provides data transmission in "real time". The areas of application of the "Low Delay" receiver range from data transmission through to video transmission, for live events in broadcast applications.

> Easy Operation

The BMS's DR25xxLD-S diversity receiver has two antenna inputs or two UHF inputs depending whether or not integrated downconverters are featured. Even under the most difficult receiving conditions, this combination offers the highest possible reliability. The implementation of the latest technology allows the highest signal quality to be achieved with the minimum of system delay of 40ms at the same time.

> DR25xxLD-S



Description

1	Camera
2	Transmitter
3	TX Antenna
4	RX Antenna
5	Down Converter****
6	RF Cable / UHF Cable***
7	DR2524LD-S
8	DR2505LD-S
9	Module Unit 2
10	Module Unit 3
11	SDI Output

> Uniqueness

Inputs / Outputs			
SMA (f)	RF in	DR2524LD-S: 2 x RF input	50 Ω
BNC (f)	UHF in	DR2505LD-S: 2x UHF input DC feed for BDC	75 Ω
3-pol XLR	Audio out	2 x Audio output	600 Ω
BNC (f)	CVBS out	Analog Video output	75 Ω
BNC (f)	SDI out	Video output	75 Ω
BNC (f)	ASI out	Transportstream output	75 Ω
TCP/IP	data*	IP Streaming output	
DE9 (f)	Control	Control / Data Input / output	
4-pol XLR	DC	12 - 18V	

Technical Characteristics

Frequency	DR2524LD-S: 1.95 to 2.7 GHz** DR2505LD-S: 100 to 800 MHz
Channel Bandwidth	6,7 or 8 MHz
Diversity Methode	Fast Fourier Transforms - Maximum Ratio Combining (FFT-MRC)
Demodulation	<ul style="list-style-type: none"> • QPSK, 16QAM, 64QAM • FEC 1/2, 2/3, 3/4, 5/6 • Guard 1/4, 1/8, 1/16, 1/32
Decoding	<ul style="list-style-type: none"> • MPEG-2 4:2:0 SP@ML • MPEG-2 4:2:0 MP@ML • MPEG-2 4:2:2 422P@ML
Control	Inbuilt display and keyboard
Power Input	12 to 18V
Consumption	16 W
Temperature	-10 to +45°C (+14 to +113°F)
Relative Humidity	5% to 95%
Dimensions (W x D x H)	165 x 320 x 1 RU (6.5" x 12.6" x 1 RU)
Weight	Approx. 2 kg (4.40 lbs)

> Ordering Information

Ordering Information	

Broadcast Microwave Services, Inc.
12367 Crosthwaite Circle • Poway, CA 92064 • U.S.A.
Tel: +1-858-391-30 50 • Toll Free (U.S.): 800-669-96 67
Fax: +1-858-391-30 49 • www.bms-inc.com • sales@bms-inc.com

Broadcast Microwave Services Europe GmbH
Schwalbacher Str. 12 • 65321 Heidenrod • Germany
Tel: +49-61 24-72 39-00 • Fax: +49-61 24-72 39-29
www.bms-inc.com • saleseurope@bms-inc.com

BMS
A Cohu Company