

DR25xxHD

Modular 2-way Diversity Receiver



> Applications

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

> Features

- Modular HD Diversity Receiver
- Low System Delay of 1 Frame
- Compact Size
- High Performance FFT-MRC Diversity
- COFDM 2k Standard
- UHF or RF Inputs
- Integrated Down Converters**
- IP Streaming*
- HD-SDI Outputs
- ASI Output*
- AES Encryption*

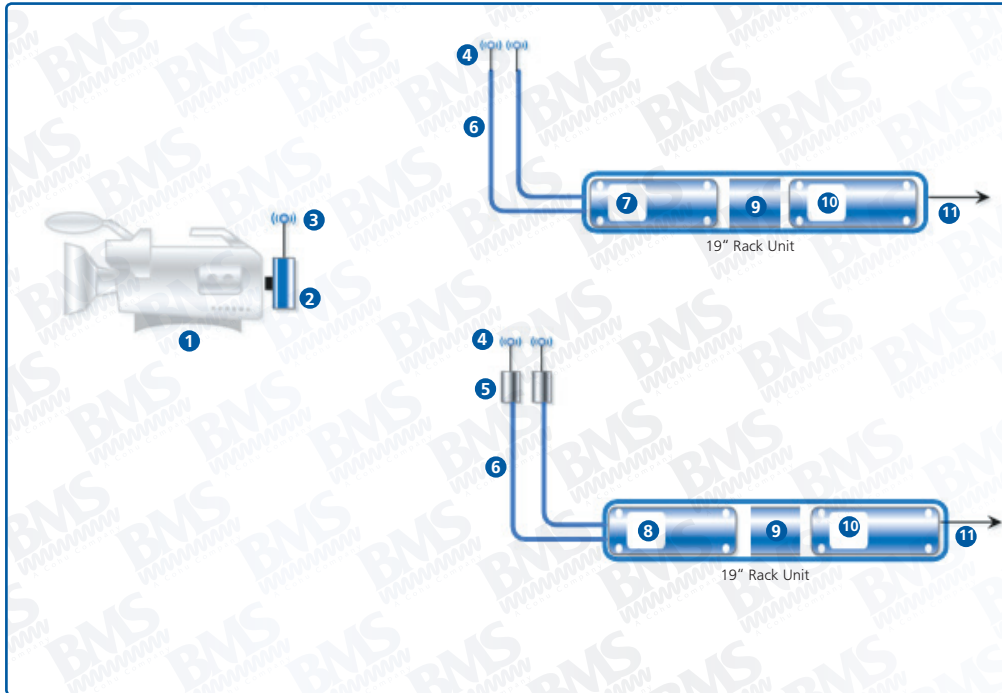
> Performance

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. Dedicated development for use in mobile applications combined with the compact design make this diversity receiver the ideal solution at the highest possible flexibility. The latest technology runs the device with a minimum system delay and provides data transmission in real time. The areas of application of the receiver range from data transmission to video transmission.

> Easy Operation

The BMS DR25xxHD diversity receiver is equipped with either two antenna inputs or two UHF inputs depending whether or not integrated down converters are featured. Even under the most difficult receiving conditions, this combination provides the highest possible reliability. The implementation of the latest technology makes it possible to achieve the highest signal quality with the minimum of system delay of 1 frame.

> DR25xxHD



Description

1	Camera
2	Transmitter
3	TX Antenna
4	RX Antenna
5	Down Converter****
6	RF Cable / UHF Cable***
7	DR2524HD
8	DR2505HD
9	Module Unit 2
10	Module Unit 3
11	HD-SDI Output

> Uniqueness

Inputs / Outputs			
SMA (f)	RF in	DR2524HD: 2 x RF input	50 Ω
TNC (f)	UHF in	DR2505HD: 2x UHF input DC feed for BDC	75 Ω
3-pol XLR	Audio out	2 x Audio output	600 Ω
BNC (f)	HD-SDI out	2 x Video output	75 Ω
BNC (f)	ASI out*	Transportstream output	75 Ω
TCP/IP	Data*	IP streaming output	
BNC (f)	Sync	Digital frame synchronisation	75 Ω
DE9 (f)	Control	Control / Data channel output	
4-pol XLR	DC	12 - 18V	

Technical Characteristics

Frequency	DR2524HD: 1.95 to 2.7 GHz** DR2505HD: 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 • MPEG-2 4:2:2 422P@HL
Video	<ul style="list-style-type: none"> • 1920x1080i, 1280x720p, PAL, NTSC • 23.98/24/25/29.97/30/50/59.94/60 fps
Control	Inbuilt display and keyboard
Power Input	12 to 18V
Consumption	20 W
Temperature	-10 to +50°C (+14 to +122°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)

* Optional

** Only for DR2524HD