

DR6000 MK2

6-way Diversity Receiver



> Applications

- Central Receive for City Wide Coverage
- Live Events
- Fixed or Mobile Operation
- OB-Van
- Repeater (option)

> Features

- High performance FFT-MRC Diversity
- 2 / 6 antenna inputs
- COFDM 2k Standard
- MPEG2 4:2:2P@ML
- MPEG2 4:2:2P@HL
- 40 ms low latency
- Integrated touch panel with spectrum Display for each antenna input
- Frequency Range 70 to 860 MHz
- IP streaming output
- Ethernet control
- BTP (BMS Transmission Privacy)
- "Live Preview" Feature

> Options

- RF output
- AES 128/256 or BISS Decryption

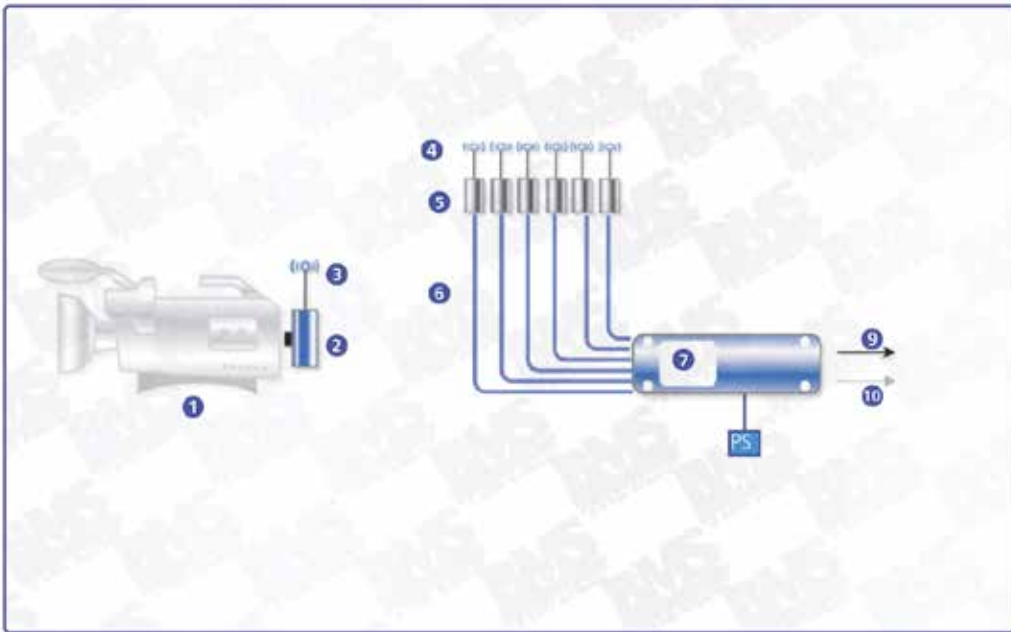
> Performance

The DR6000 MK 2 has undergone a new design and has been recreated with improved technology and capabilities. Specifically engineered for mobile HD requirements, the DR6000 receives wireless HD transmissions in both fixed and mobile applications.

Its performance and reliability is being experienced all over the world. The receiver can handle even the most demanding applications, delivering the highest video and audio fidelity with the greatest reliability.

> Decoder

The internal decoder provides many professional features, like ASI, SDI, HD-SDI, component or composite and analog/ embedded audio outputs, as well as the end-to-end low-delay of 40ms. Optionally the DR6000 can also be operated as single repeater with automatic setup of all COFDM settings. In addition, the display of all six spectrums makes the DR6000 receiver an essential tool in the broadcast world.



Description	
1	Camera
2	Transmitter
3	TX Antenna
4	RX Antenna
5	Block Downconverter
6	UHF Cable
7	DR6000 MK2
8	Signal output (Standard)
9	Signal output (Optional) *RF output *IP
10	DC Power Supply for BDCs

> Specifications

Inputs / Outputs			
BNC (f)	Antenna in	DR6000: 6x UHF input 70 to 860 MHz	75 Ω
BNC (f)	Genlock in	External Genlock Tri-Level	75 Ω
BNC (f)	CVBS out	Analog Video output PAL/NTSC	75 Ω
BNC (f)	SDI/HD-SDI out	Digital Video output Embedded Audio	75 Ω
BNC (f)	ASI out	Transportstream output	75 Ω
3XLR (f)	Audio out	4x Analog Audio out	600 Ω
Lemo 2pin	BDC DC in	External DC for BDC	12-24VDC

Supplied Accessory	
P/N 8710001326	AC-to-DC Power Supply with cables
	AC Power cord

Required Equipment (Select Operating Frequencies)		
MODEL	QTY	FREQUENCY
BDC-1007	6	1.70 - 1.90 GHz
BDC-2006	6	2.30 - 2.50 GHz
BDC-4007	6	4.40 - 5.00 GHz
Other bands available; contact BMS		

Technical Characteristics	
Frequency	70 to 860MHz
Channel Bandwidth	6,7 or 8 MHz
Diversity Methode	Fast Fourier Transforms - Maximum Ratio Combining (FFT-MRC)
Demodulation	Autodetect FEC and Guard interval
Decoding	MPEG-2 4:2:0 MP@ML MPEG-2 4:2:2 422P@ML MPEG-2 4:2:2 422P@HL
Control	Color LCD Touch Panel with spectrum display and C/N bar graph
Power Input	100 to 240 VAC (50 to 60 Hz)
Consumption	< 100 W
Temperature	0 to +40°C (+32 to +104°F)
Relative Humidity	5% to 95%
Dimensions (W x D x H)	485 x 400 x 88.9 mm (19" x 15.7" x 2RU; 1,045 cu. in.)
Weight	5.25kg (11.57 lbs)

> Options

AES 128 or 128/256 decryption
 BISS BISS-1, BISS-E decryption