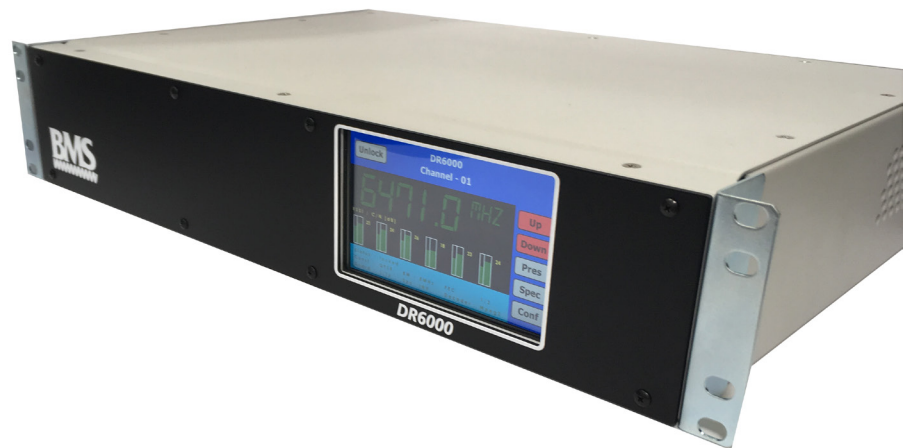




DR6000

6-way Diversity Receiver



> Applications

- Central Receive for City Wide Coverage
- Live Events
- Entertainment and Sports Production
- Fixed or Mobile Operation
- OB-Van

> Features

- UHF Receiver, 70 to 850 MHz
- High Performance FFT-MRC Diversity
- 6 Antenna Inputs
- COFDM DVB-T 2k Standard
- MPEG2 and H.264 Decoding
- 40ms Low Latency Mode
- Integrated Touch Panel with Spectrum Display
- Live Video Preview Feature, 800x480
- Streaming IP output
- Configuration via Internal Web Pages
- BTP Decryption

> Options

- AES 128/256 Decryption
- BISS Decryption

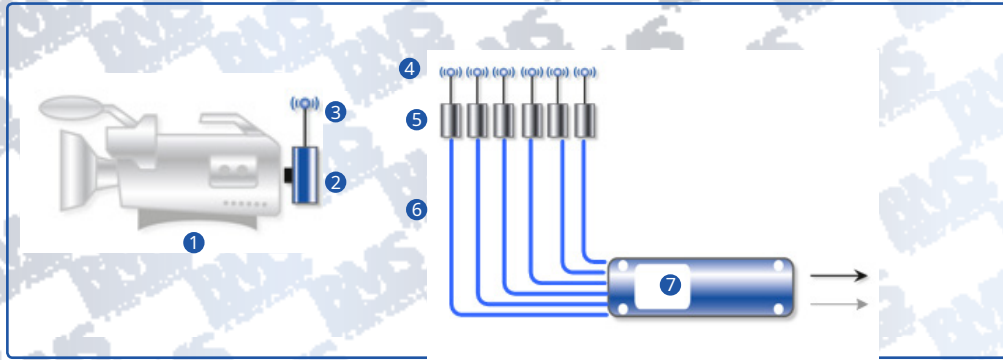
> Performance

The DR6000 is the drop-in replacement receiver for the DR6000MK2 and DR6000MK3 receivers. The new receiver adds H.264 video decoding, making it the perfect companion receiver for all BMS digital transmitters.

The DR6000 supplies power to all block down converters without the need for an external power supply. The HDMI output is compatible with video monitors and recording devices. A USB port simplifies software upgrades.

> Decoder

The internal BMS decoder provides many professional features; ASI, SDI, HD-SDI, HDMI and composite analog/ embedded audio and data. A 40mS low delay mode (transmitter dependent) makes mixing wired and wireless cameras possible. Auto-detection of coding (MPEG2 or H.264), GI, FEC, and bandwidth are standard. The DR6000 can be operated as a repeater with automatic COFDM DVB-T configuration. Each antennas' input spectrum can be monitored for signal integrity and external interference. The features of the DR6000 are the perfect combination to support Law Enforcement, Surveillance, Broadcast and Electronic Field Production.



Description	
1	Camera
2	Transmitter
3	TX Antenna
4	RX Antennas
5	Block Downconverters
6	UHF Cables
7	DR6000
9	Signal output (Standard)
10	Signal output IP

> Specifications

Inputs / Outputs			
BNC (f)	Antenna in	6x UHF input 70 to 860 MHz	75 Ω
BNC (f)	Genlock in	Composite or TLS (Tri-Level Sync)	75 Ω
BNC (f)	CVBS	Analog Video output PAL/NTSC	75 Ω
BNC (f)	SDI/HD-SDI out	2x Digital Video output Embedded Audio	75 Ω
BNC (f)	ASI out	Transportstream output	75 Ω
BNC (f)	ASI in	Transportstream input	75 Ω
3XLR (f)	Audio out	4x Analog Audio out	600 Ω
HDMI-A	Video/Audio	Output	
RJ45	Ethernet	Streaming Video output	
RS-232	User Data	Up to 115 kb/s output	
RJ45	Ethernet	Control / configu- ration	
USB-A	OTG	Decoder Software updates	

> Required Accessories

MODEL	QUANTITY	NOTE
BDCxxxx	6 required	Available from 1.3 to 7.6 GHz (in bands)

> Ordering Information

MODEL	PART	NOTE
DR6000	8014510930	Receiver only

Technical Characteristics

Frequency	70 to 850MHz		
Channel Bandwidth	6, 7, or 8 MHz		
Diversity Method	Fast Fourier Transform - Maximum Ratio Combining (FFT-MRC)		
Demodulation	COFDM, DVB-T, 2K carriers		
MPEG2 Decoding (fully standards compliant)	MPEG-2 4:2:0 MP@ML MPEG-2 4:2:2 422P@ML MPEG-2 4:2:2 422P@HL H.264 HP@422		
H.264 Decoding (MPEG-4 Chapter 10 AVC, 8-bit)	SD MP@L40 (4:2:0, 4:2:2) HD MP@L40 (4:2:0, 4:2:2) HD HP@L40 (4:2:2) HI422@ML HI422@HL 4.0		
Resolutions	NTSC	480i	60
	PAL	576i	50
	HD-SDI	720P	30, 50, 59.94, 60
	HD-SDI	1080i	25/50, 30/60, 59.94
	HD-SDI	1080i-psf	23.98, 24, 25, 29.97, 30
	HD-SDI	1080p	23.98, 24, 25, 29.97, 30
Streaming	UDP, RTP on UDP, unicast/multicast		
Local Control	800x480 LCD Touch Panel with spectrum display, C/N bar graph, and video preview		
Control/ Configuration	Ethernet control/configuration via downloadable web pages, RS-232 control via Dengvison®		
Power Input	100 to 240 VAC (50 / 60 Hz)		
Consumption	100 W max. with BDC's		
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)		
Weight	5.25kg (11.57 lbs)		