



# xDR2000m

## Portable 2-way Diversity Receiver

### > Applications

- Covert/Overt Surveillance
- Helicopter Down Link Viewing
- Live Events
- Mobile or Fixed Operation
- OB-Van
- Commentator's Return Video Monitor

### > Features

- HD Diversity Receiver
- 9" LCD Video Monitor
- AC and Battery Powered
- Compact Size
- High Performance FFT-MRC Diversity
- COFDM 2k Standard
- Wide Frequency Range 1.95 to 2.7 GHz (other frequencies on request)
- Integrated Downconverters
- HD-SDI Outputs
- BMS Decryption (Optional)

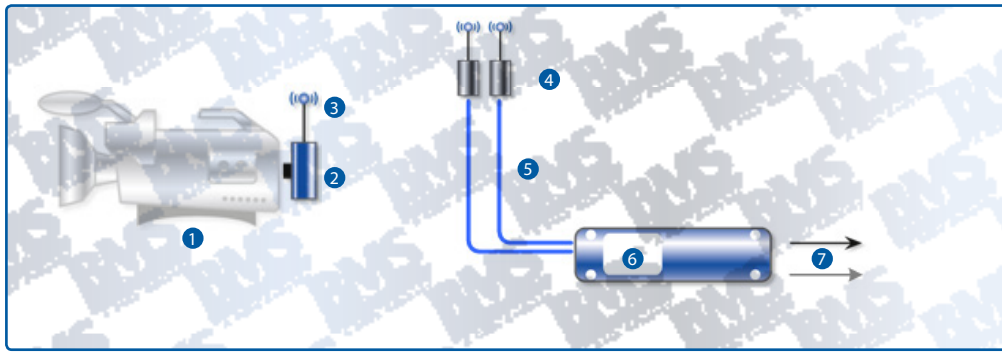


### > Performance

BMS presents a new generation of mobile HD COFDM diversity receivers. Dedicated development for use in mobile applications combined with the compact design make this diversity receiver the ideal solution with simple operation. The latest technology runs the device with minimum system delay and allows data transmission in real time.

The xDR2000m receiver has two SHF antenna inputs featuring integrated down converters in addition to the proven diversity technology that suppresses fading and multipath propagations. Two UHF antenna inputs are used with external BDC's to receive other frequencies (appropriate antennas required). 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 minimum of system delay.

## > XDR2000m Receiver



Description	
1	Camera
2	Transmitter
3	TX Antenna
4	RX Antenna
5	RF Cable
6	UHF Cable
7	xDR2000m
8	HD-SDI Output

## > Specifications

Inputs / Outputs			
BNC (f)	UHF	2x inputs (switchable DC bias)	50 Ω
N (f)	SHF	2x inputs	50 Ω
DB9 (f)	Audio out	2x Audio output	10kΩ
DB15 (m)	Data	User data output, RS-232 control	
USB	USB-A	Software updates	
BNC (f)	HD-SDI out	2x Video output	75 Ω
HDMI-A	HDMI	Video/Audio output	
BNC (f)	ASI	DVB-ASI input	75 Ω
BNC (f)	ASI	DVB-ASI output	75 Ω
XLR-4(m)	Power	External 12-18 VDC power input	

Ordering Information	
8014788020	XDR2000-m, briefcase receiver
400000028	Power Supply, 12.0 VDC / 6 Amp
120103622	VLA1903LP, 3dBi omni-antenna
8015049000	WEBi, Ethernet control server
401001014	V-mount battery
401001011	Battery charger
Various	Block Down Converters for UHF inputs. Contact factory



Technical Characteristics	
Frequency	1.95 to 2.7 GHz (SHF) 70-860 MHz (UHF)
Channel Bandwidth	6,7,8 MHz (auto-detect)
Diversity Method	Fast Fourier Transform - Maximum Ratio Combining (FFT-MRC)
Demodulation	•QPSK, 16QAM, 64QAM (all auto-detect) •FEC 1/2, 2/3, 3/4, 5/6 •Guard 1/4, 1/8, 1/16, 1/32
Decoding	•H.264 (MPEG4 Section 10/AVC) •MPEG2 Auto-selecting, 4:2:0, 4:2:2
Video	• 720 x 480 (NTSC), 720 x 576 (PAL) • 720p: 23.976/24/25/29.97/30/50/59.94/60 • 1080i: 23.976/24/25/29.97/30/50/59.94/60 • 1080p: 23.976/24/25/29.97/30
Control	Inbuilt display and control pad RS-232 remote control
Monitor	9" High definition LCD color display, 1280x768 with backlight, 600 nits
Power Input	12 to 18V @3.5 A max. IDX/SONY V-mount battery clip (batteries and charger sold separately)
Consumption	approx. 35W
Temperature	-10 to +50°C (+14 to +122°F)
Relative Humidity	5% to 95%
Dimensions (W x D x H)	340 x 300 x 155 mm (13.38" x 11.81" x 6.10")
Weight	approx. 5.5 kg (12.12 lbs)