

BDC2006

Block Downconverter



> Applications

- Digital Electronic Surveillance Video
- Fixed or Mobile Operation
- Mast Mounts
- Tripod, Portable Operation
- Live Events

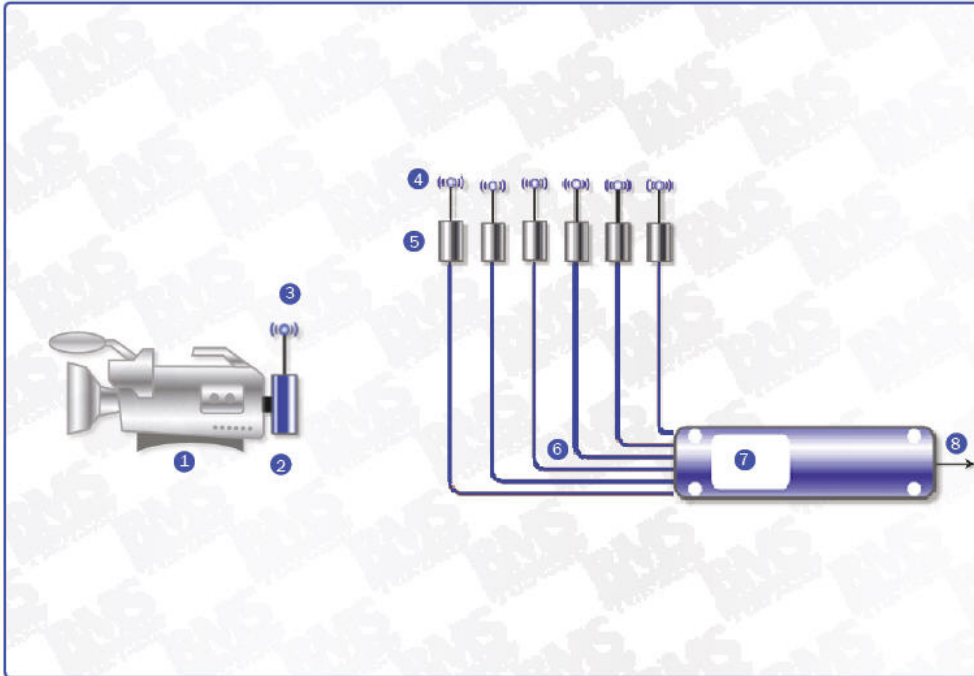
> Key Features

- Compact Size
- Easy Mounting
- Weather Proof Housing
- Wide Frequency Range: 2.0 - 2.7 GHz
- Switchable Filter: 2.0 - 2.1 GHz
- High IP3

> Product Description

Providing high performance Digital reception has become increasingly challenging within today's congested frequency bands. A key challenging aspect of superior reception is the ability to achieve and maintain very high levels of sensitivity when operating close to other higher powered transmitters using similar frequencies.

Block downconverters offer multiple mounting options and deliver a very wide operational bandwidth. The BDC2006 is designed to meet these objectives and survive in the harshest RF and physical environments.



Description

1. Camera
2. Transmitter
3. TX Antenna
4. RX Antennas
5. Block Downconverters
6. UHF Cable
7. DR6000
8. Signal Output

The BDC2006 is very versatile, permitting multiple mounting options. It is completely weatherproof and allows the antenna to be mounted directly onto the downconverter to preserve the sensitivity and performance. A light weight corner reflector provides an additional 10dB of gain.

If an omnidirectional antenna is mounted directly on the BDC, the fold-flat, compact corner reflector can be used to quickly provide antenna gain over a very wide bandwidth, by reaching directional characteristics.

> Technical Specifications

Frequency Input	2.0 - 2.7 GHz
Frequency Output	167 to 867 MHz
Local Oscillator	1833 MHz
Signal Gain	+32dBm
IP3	35dBm
Power Input	16 - 24 VDC (via Coax Cable)
Consumption	380 mA
Temperature	-30 to +60°C (-22 to +140°F)
Relative Humidity	5 to 95 %
Dimensions (W x D x H)	BDC2006 without brackets: 8.07" x 2.76" x 1.29" (205 x 70 x 33 mm)
Weight	BDC2006 without bracket: 1.76 lbs (0.8kg)

> Inputs/Outputs

N (f)	RF in	RF input	50 Ω
F (f)	UHF out	UHF output	75 Ω

> Options

Mounting Brackets for Tripod Mount
Foldable Antenna Reflector