

The DC FIBER Down-Converter converts signals received in the RF band to the IF band. It is formed by two inner modules which enable the reception of two different antennas.

This down-converter is suitable for wireless camera links where 2 or 4 antennas are used with the UDR-104 FIBER Receiver, for which it has been specifically designed, a total of 2 down converters (4 antennas) can be used.

The IF signals can travel through both Optical Fiber or Coaxial outputs.

This product includes a wireless camera control radio which in combination with the UDR-104 FIBER Receiver allows the control of the camera, Tally and Intercom transmission.

The DC FIBER Down-Converter has a display in which signal levels can be monitored at all times.



FEATURES

- Two down converter modules and two RF filters integrated.
- Frequency range: 1.2 to 13 GHz, in bands.
- Wireless control camera ODU integrated.
- Very high IP3. It can work with a high level of received signals.
- OPTICAL FIBER and COAXIAL IF signal outputs.
- Signal level display.
- High stability and low phase noise local oscillator.
- It can work in extreme weather conditions.

CHARACTERISTICS

DC CHARACTERISTICS

Frequency bands (RF):	DC-FIBER_1200-1500 (1.200 to 1.500 MHz) DC-FIBER_1700-1900 (1.700 to 1.900 MHz) DC-FIBER_2000-2100 (2.000 to 2.100MHz) DC-FIBER_2000-2700 (2.000 to 2.700 MHz) DC-FIBER_2200-2400 (2.200 to 2.400MHz) DC-FIBER_2200-2900 (2.200 to 2.900 MHz) DC-FIBER_3200-3900 (3.200 to 3.900 MHz) DC-FIBER_4400-5000 (4.400 to 5.000 MHz) DC-FIBER_5000-5500 (5.000 to 5.500 MHz) DC-FIBER_5500-6000 (5.500 to 6.000 MHz) DC-FIBER_6430-7130 (6.430 to 7.130 MHz) DC-FIBER_6800-7500 (6.800 to 7.500 MHz) DC-FIBER_8000-8500 (8.000 to 8.500 MHz) DC-FIBER_10000-10500 (10.000 to 10.500 MHz) DC-FIBER_12750-13250 (12.750 to 13.250 MHz). Other frequency ranges on request.
Noise figure:	< 1.5 dB.
Conversion Gain:	>25 dB.
LO frequency:	Depends on the frequency band. 2 GHz 1,600 or 1,840 MHz. 3.30-3.80 GHz 2,900 MHz. 4.50-4.98 GHz 4,100 MHz. 4.90-5.38 GHz 4,500 MHz. 5.30-5.78 GHz 4,900 MHz.
IF Output frequency:	UHF band.
Phase noise:	-98 dBc/Hz @ 10 kHz.
Supply voltage range:	9 to 24 VDC.
Nº of cells of the input filter Static protection	6. Yes. 2 X N Female.
RF Connector	1 x SMPTE Fiber (Lemo) OPTION 2 x TNC or
IF Connector	BNC (75 Ohm)
Size	317 x 170 x 43 mm
Temperature range	From -40 to 60oC
Weight:	1.2Kg

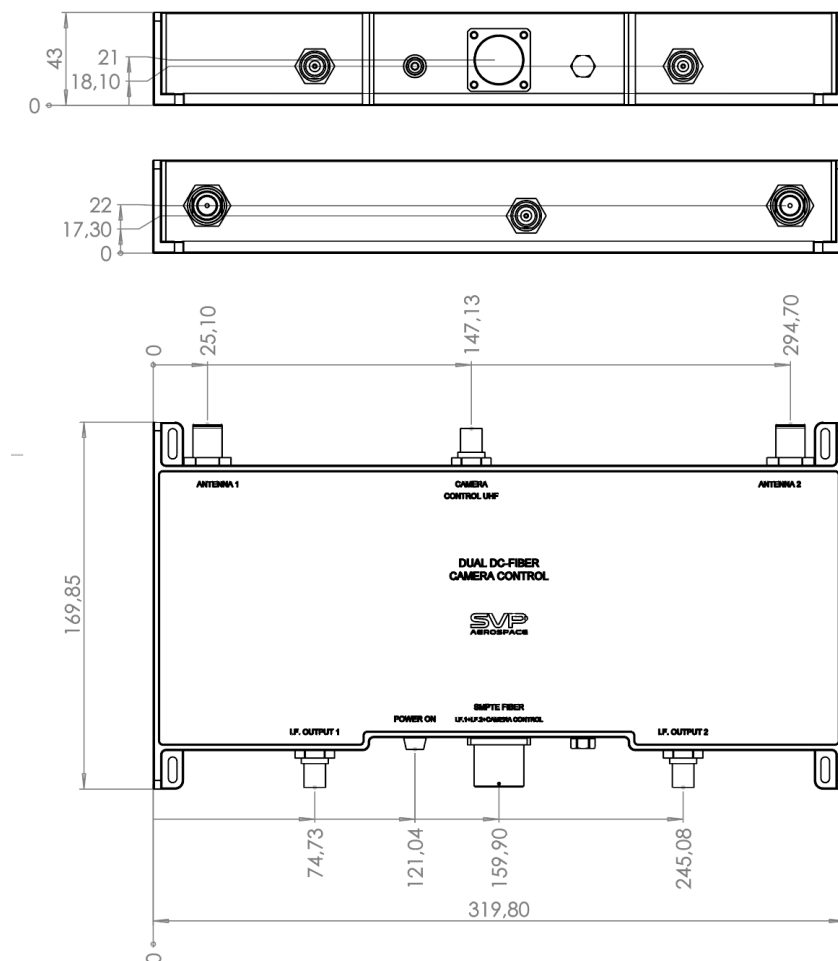


WIRELESS CAMERA CONTROL AND INTERCOM OPTION

ODU Data Intercom Connector:	Lemo 0B 7 pins.
Intercom UHF Connector:	BNC Female.
Camera Control UHF Connector:	BNC Female.
RF Out:	100mW/ 500mW/ 1Watt.
Frequency:	403-473MHz.
Bandwidth:	25 KHz.



MECHANICAL DIMENSIONS & HOW TO ORDER



DC-FIBER_1200 - 1500

- 1200-1500** = 1,200 a 1,500 MHz
- 1700-1900** = 1,700 a 1,900 MHz
- 2000-2100** = 2,000 a 2,100 MHz
- 2000-2700** = 2,000 a 2,700 MHz
- 2200-2400** = 2,200 a 2,400 MHz
- 2200-2900** = 2,200 a 2,900 MHz
- 3200-3900** = 3,200 a 3,900 MHz
- 4400-5000** = 4,400 a 5,000 MHz
- 5000-5500** = 5,000 a 5,500 MHz
- 5500-6000** = 5,500 a 6,000 MHz
- 6430-7130** = 6,430 a 7,130 MHz
- 6800-7500** = 6,800 a 7,500 MHz
- 8000-8500** = 8,000 a 8,500 MHz
- 10000-10500** = 10,000 a 10,500 MHz
- 12750-13250** = 12,750 a 13,250 MHz

Frequency Range