



PCM FM TELEMETRY RECEIVER

BA-R-SB-IF20-BE



SPECIFICATIONS:

This 19' drawer includes Two Receivers with the following specifications.

These Receivers allow operation in PCM/FM (TIER 0) Operation . the unit accepts RF Frequencies in the 2.2-2.4GHz Range and supplies a Data and Clock according to the required Modulation Rate. The unit includes Six IF BW Modes for Different Signals . Parameters Can be controlled either by RJ45 (Ethernet) Port or by push button keys on Front Panel . The unit can supply both Data, Clock and the 70MHz Amplitude limited output (to use with external Demodulator).

Since the data is received in both Clock and data , this saves the need for an additional Bit synchronizer.

RECEIVER PARAMETERS

(For Each Receiver in Drawer)

Frequency: 2200 ÷ 2400 MHz (100KHz Step)

Noise Figure: 5dB max

LO Stability: ± 5 ppm (over temperature)

RF Input impedance: 50 Ohm

Image Rejection: 60dB min

IF Bandwidth (3dB Typ) : Six Selectable IF BW determined by Customer

Modulation Rate: FM: up to 20MBPS

Depending on IF BW Filter .

Modulation Format: Output format selectable independent of input format:
NRZL,NRZ-M, NRZ-S,
Bi-Phase-L,Bi-Phase-M, or Bi-Phase-S

Video Output level: LVTTTL

RSSI Output: Available Zeroing AGC (digitally controlled)

RF Connector: N-type

Video Output Format: Unbalanced

Video Connector: BNC

Supply Voltage: 220Vac



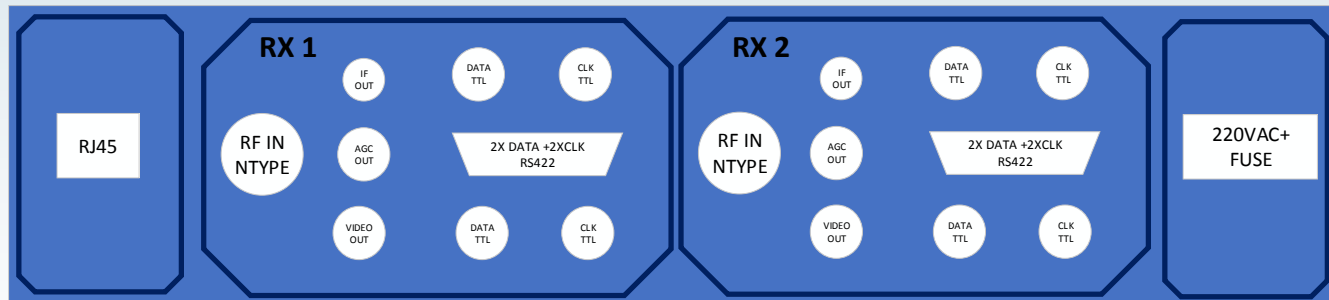
Illustration drawing

19 inch Drawer (std 2U but might vary according to model)

Front Panel (For Ref only and might change between models) :



Back Panel:



1. RF X2
2. 70MHz Output -2X SMA
3. DATA OUT – 4X BNC
4. CLOCK OUT -4X BNC
5. AGC OUT – 2X SMA
6. VIDEO OUT – 2X BNC
7. DATA,CLOCK RS422 X2 – 2X D-25 FEMALE
8. 220V AC , Fuse (LOCK)
9. RJ45 - Remote Control .

OPTIONS

- **BW OPTIONS – The unit could be set to different BW options**
- 0.22MHz, 0.55MHz, 1MHz, 1.5MHz, 2MHz, 2.5MHz, 3.5MHz, 4MHz, 5MHz, 6MHz, 7MHz, 8MHz, 9MHz, 10MHz, 11MHz, 12MHz, 15MHz, 16MHz, 18MHz, 20MHz
- 6 BW options Marked on unit Chassis.