

SplitPIX™ Diversity Rack Video Receiver

Dual Band Rack Mount Diversity Video Receiver SPIX-1000-RM



DTC now offers dual band receivers with diversity. The SplitPIX rack mount receiver uses a total of four receivers operating in pairs of two like the DTC MiniPIX. You can select either high band or low band operation. The system then votes on which of the two receivers in that band has the best video. Voting occurs during the horizontal retrace, at over 15,000 times per second.

Frequencies across each band are user selectable via the tuning knob on the front panel. You may preset four channels in the high band, and four channels in the low band. For instance, you may select four preset channels from 1750-1850 MHz, and another four preset channels in the 2400-2500 MHz band. This simplifies operation, while giving you the flexibility of selecting channels anywhere across your bands. The frequency is conveniently displayed on the front panel as well. Connections for four antenna inputs are on the rear of the unit.

Features

- ▲ Dual band diversity operation
- ▲ DTC proprietary VideoVoter™ logic board
- ▲ Two of 1700-1850, 2200-2300, or 2400-2500,
 - ▲ Four receivers, two each per selected bands
 - ▲ Frequency tunable across the selected band
 - ▲ High/Low band select switch
 - ▲ Eight preset channels, with audible programming alert
 - ▲ High sensitivity DTC designed and manufactured receivers
 - ▲ External antennas may be connected via rear mounted TNC connectors
- ▲ Channel display
- ▲ RSSI display
- ▲ Standard 19" rack mount configuration
- ▲ Optional encryption

Models

- ▲ SPIX-1000-RM

Contact your DTC sales representative for other frequency bands which are not listed here

Specifications

Video Receiver

| | |
|--------------------------|---|
| Signal Formats | PAL, and NTSC (Color), |
| Level | 1 V p-p |
| Impedance | 75 ohms |
| Pre-Emphasis/DE-Emphasis | CCIR |
| Resolution, Lines | 525 NTSC, 625 PAL |
| Receiver Selection | High or low band select switch |
| Channels Selection | Synthesized, selectable every 250 KHz across band |
| Channel Presets | 8 user programmable, 4 high band, 4 low band |
| Channel Display | 6 digits, LED |
| Frequency Bands | 1700 to 1850 MHz, 2200-2300 MHz or 2400 to 2500 MHz |
| Frequency Stability | ±0.001% |
| Number of receivers | Four |
| Diversity | DTC proprietary Quality Video Detect™ voting logic |
| Receiver Sensitivity | -83 dBm |
| Modulation | Wideband FM |
| Signal to Noise | 60 dB |
| Frequency Response | 5 MHz |
| Video Deviation | ±4 MHz standard |

General

| | |
|------------|-------------------------|
| Housing | Standard 19", 1 rack |
| Dimensions | 16.75"L x 14"W x 1.75"D |
| Battery | 10-32 VDC |

Connectors

| | |
|---------|------------------|
| Power | XLR-4 pin |
| Video | BNC (two) |
| Audio | XLR- 3 pin (two) |
| Antenna | TNC (four) |

Add "ENC" to any of the model numbers for Video Encryption

Add "ENC-AV" for Audio & Video Encryption

Ordering Information

- ▲ Specify bands desired
- ▲ Select two audio sub-carriers from 6.0 -7.5 KHz
- ▲ Call for availability