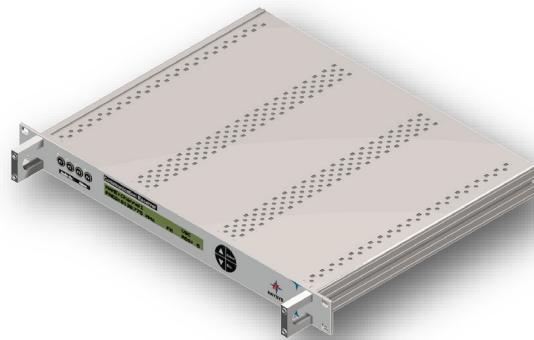
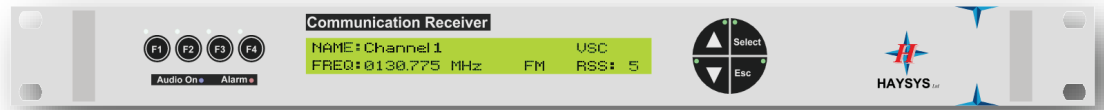


COMMUNICATION RECEIVER H00122



COMMUNICATION RECEIVER

High end Professional 1U 19" Rack mounted multi-channel communication receiver.

Available for operation in the UHF or VHF frequency bands (other bands also available).

Demodulating AM or FM signals.

LOCAL CONTROL

Local operation using intuitive front panel menu system allowing full control and monitoring of all common functions including four programmable favorite keys (F1 – F4).

REMOTE CONTROL

Supplied with remote operation software allowing full control and monitoring over either Ethernet or RS232 serial connectivity.

RECEIVER NAMING

Each Receiver can be uniquely named assisting in receiver arrays configurations.

The HAYSYS Communication Receiver is a high end professional radio receiver. Primarily for use in ground aeronautical UHF/VHF receiver applications, the high level of functionality provides the ability to make the unit suitable for a wide range of applications.

A multi-channel receiver with an intuitive front panel menu system and a highly effective remote control HMI application for use on computers running Microsoft Windows® operating systems

Triple-Conversion Super Heterodyne Receiver with Modulation type, filter bandwidth, AGC Mode, RF amplifier and RF Attenuator selection including auto options for optimal reception.

Custom frequency ranges are available to cover a wide range of frequency requirements.

- Multi-Channel Communication Receiver available for the UHF or VHF Frequency Bands
- Integrates perfectly into the HAYSYS Direction Finding system
- Local and Remote Monitoring and Control
- Continuous integrity testing with visible alarms provided both locally and remotely.
- Communications using TCP/IP (Ethernet) or Serial RS-232
- Suitable for Receiver array configurations
- Conforms to ICAO Annex 10, Vol III Part 2

Receiver control is achieved through custom software. All control, monitoring and configuration can be accessed via the remote software application.

Local monitoring and limited configuration of the Receiver can be navigated via the unit's menu system and large display.

The unit is a single 1U standard 19" sub-rack unit with all connection being made on the rear panel. All remote communication, configuration and monitoring are implemented remotely.

An Alarm and Audio On signals are indicated using dedicated front panel LED's

Received Signal Strength (RSS) indication



Specifications

Receiver Type	Triple-Conversion Super Heterodyne
RF Operating Frequency	108-250 MHz (VHF) and 225-500MHz (UHF) (Other Frequencies also available)
Frequency Modes	AM / NFM / WFM / SFM
Channel Separation	25kHz or 8.33kHz
Frequency Stability	<±1 ppm 0-50°C
FM Sensitivity	FM 0.35µV (12dB SINAD)
AM Sensitivity	AM 0.6µV (10db S/N)
Selectivity (typical)	NFM ±10kHz, 60dB SFM ±6kHz, 60dB WFM ±180kHz, 60dB AM ±6kHz, 60dB
Antenna Impedance	50Ω
Audio Output	1.2W into an 8Ω load @ 10% Distortion
Display	40 x 2 Character LCD
Display Indicators	Receiver Name, Frequency, Modulation, RSS, Alarms and Squelch Activity Indicator
LED Indicators	Audio In and Alarm
Operating Temperature Range	0°C to +50°C
Size	Standard 1U 19" Rack
Weight	4Kgs

ADVANCED SQUELCH

Ignoring un-modulated signals or beat noise and only opening the squelch when a modulated signal is detected.

CUSTOMIZE

Customer specific applications may require a frequency range, outside the VHF/UHF bands. The receiver can be customized to suit the customer's requirements.

Please contact HAYSYS for more information

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