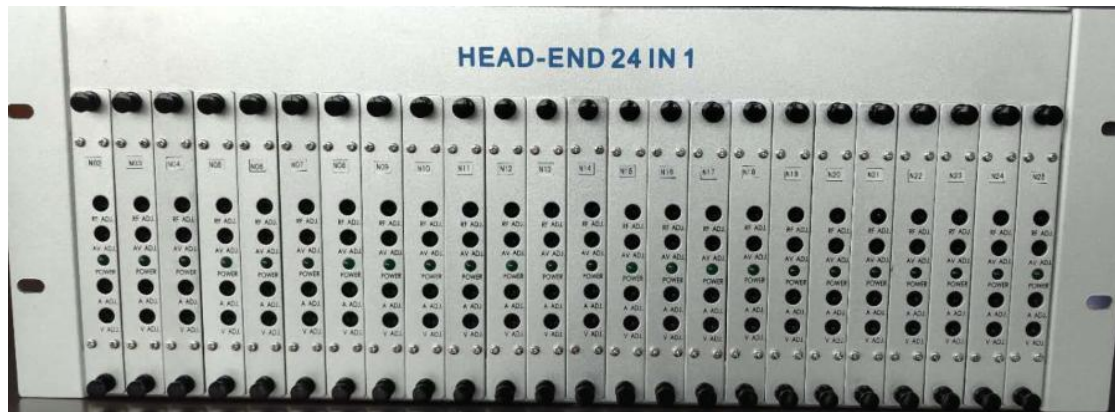


24 in 1 Modulator

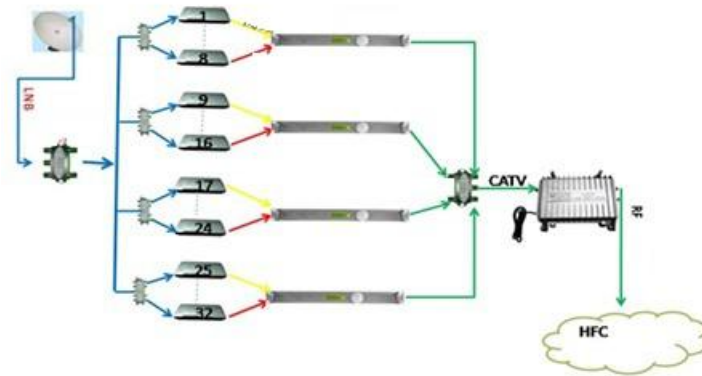
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M24 is a 24 modular frequency agile modulator. It will be up to 24 audio and video signals into a road with 24 TV channels RF signals. The product is widely used in hotels, hospitals, schools, electronic teaching, factories, security monitoring, VOD video on demand and other places of entertainment, especially for digital TV analog conversion, and centralized monitoring system.



Product Features

- Stable and reliable
- M24 of each channel is completely independent, channel configuration flexibility
- Image high frequency and RF local oscillator MCU technique are used, frequency stability and high accuracy
- The function of each integrated circuit chips are used, the whole high reliability
- High-quality power supply, 7x24 hour stability

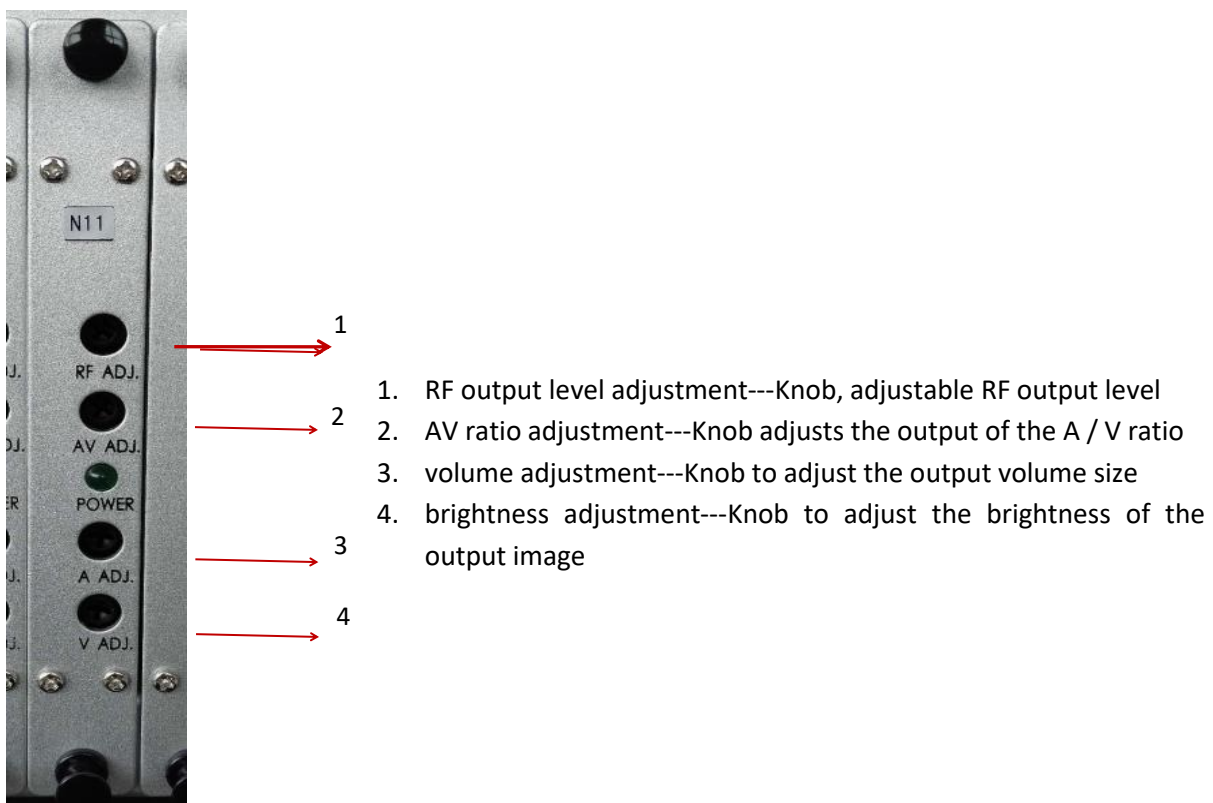
Specification

Frequency	47~862MHz
Output Level	$\geq 105\text{dB } \mu\text{V}$
Output Level Adj. Range	0~-20dB (Adjustable)
A/V Ratio	-10dB~-30dB (Adjustable)
Output Impedance	75 Ω
Spurious Output	$\geq 60\text{dB}$
Frequency Accuracy	$\leq \pm 10\text{KHz}$

Output Return Loss	$\geq 12\text{dB}$ (VHF) ; $\geq 10\text{dB}$ (UHF)
Video Input Level	1.0Vp-p (87.5% Modulation)
Input Impedance	75 Ω
Differential Gain	$\leq 5\%$ (87.5% Modulation)
Differential Phase	$\leq 5^\circ$ (87.5% Modulation)
Group Delay	$\leq 45\text{ ns}$
Visual Flatness	$\pm 1\text{dB}$
Depth Adjust	0~90%
Video S/N	$\geq 55\text{dB}$
Audio Input Level	1Vp-p ($\pm 50\text{KHz}$)
Audio Input Impedance	600 Ω
Audio S/N	$\geq 57\text{dB}$
Audio Pre- emphasis	50 μs
Rack	19 Inch standard

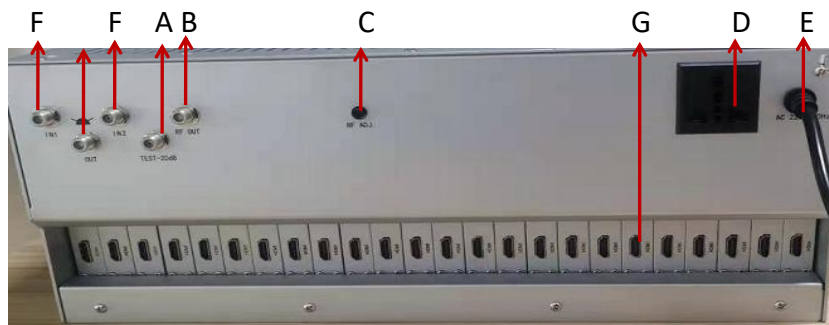
2 Operating Instructions

2.1 The front panel



24 MODULATOR

2.2 Rear Panel



A. Output test port: Video output test port,-20dB;

B. RF output: Multiplexer module modulated, after mixing the RF output;

C. RF output regulation: Knob, adjustable RF output level;

D. Power cascade output

Superposition of multiple modulators, you can cascade output therefrom to other power modulator to reduce power outlet occupation; careful not to cascade more than 5 to avoid excessive current.

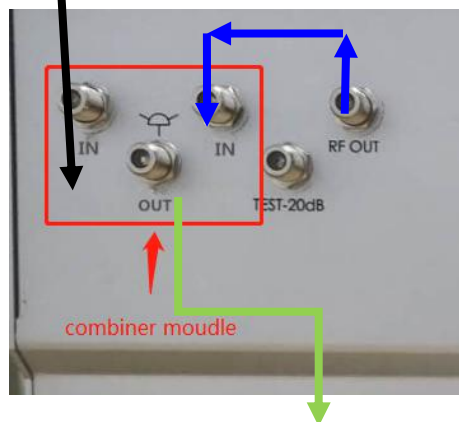
E. Power Input: Power Input: AC 220V 50Hz/110V 60Hz;

F. RF input

G. HDMI input

2.3 How to combine 24 in1 modulator with its extra combiner?

1st UNIT



2nd UNIT

FINAL OUTPUT OF 2 UNITS OF 24 IN 1 MODULATOR TOTAL 48 CHANNELS.