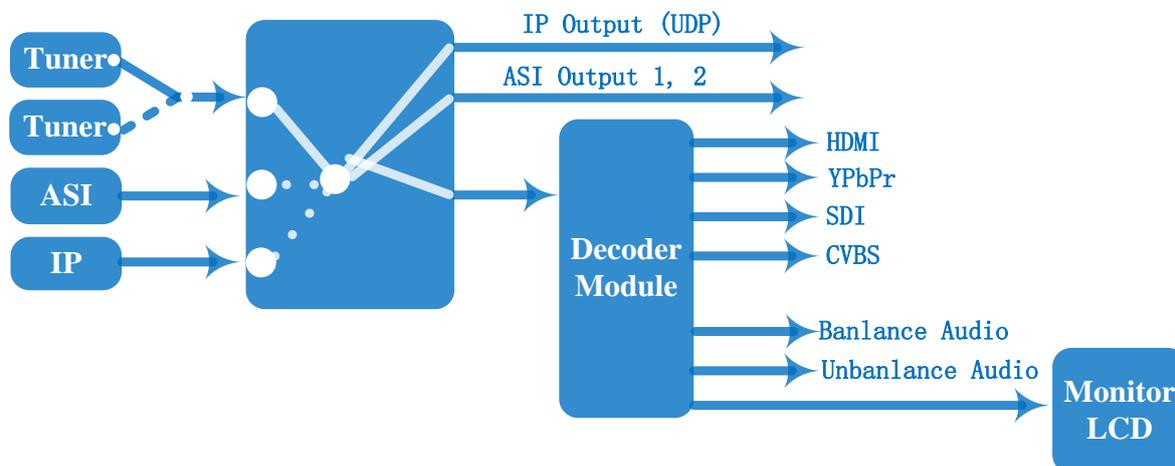


Specifications

Input Parameters		
Tuner in	Signal source	2*LNB, N-L16 (negative)
	Receiving frequency	30MHz~900MHz
	Bandwidth	2MHz, 4MHz, 6MHz, 8MHz
	Input impedance	50Ω
	Receiving restriction	20dBμV~103dBμV
	Demodulation mode	COFDM/DVB-T
Transport Stream in	ASI input	1*ASI, BNC (negative)
	IP input	UDP Unicast/Multicast (100M, RJ45)
Output Parameters		
Stream out	Video output port	1*HDMI, 2*CVBS, 1*YPbPr, 1*HD-SDI
	Audio output	L/R channel (unbalanced); XLR (balanced)
	ASI output	2*ASI, BNC (negative)
	IP output	UDP/ Unicast/Multicast (100M, RJ45)
Resolution	HDMI	1080i@25, 29.94fps, 720p @ 50 59.94fps, 576i@25 fps, 480i@29.94 fps
	CVBS	576i@25 fps, 480i@29.94fps
	YPbPr	1080i@ 25, 29.94fps,720p@50, 59.94fps
	HD-SDI	1080i@25, 29.94fps,720p@50, 59.94fps, 576i@25 fps, 480i@29.94 fps
Data Formatting	MPEG-2, H.264	
BER	≤10 ⁻⁸	
Miscellaneous		
Management	Web NMS via Ethernet; LCD & Key board	
Upgrade	External USB driver	
MTBF	≥10000hrs	
Working voltage	DC 10V~16V; AC 90V~250V	
Feed voltage	DC 10V~16V	
Power dissipation	12W	
Dimension	19"1U, 483×400×44(mm)	
Weight	3.5Kg	

Principle Chart



DT-7121H Portable Wireless Transmitter



Product Overview

The wireless digital image transmission system (which comprises the wireless transmitter and receiver) adopts the advanced COFDM modulation technology and the channel codes and combines with MPEG4 AVC/H.264 digital image compression multimedia network transmission technology. In addition to high-speed movement and non-line of sight, it can achieve the real time and synchronous transmission of broadband multimedia services such as Video, Audio, data and etc. The system has features of flexible structure, wide coverage, good mobility, strong ability to combat interference and fading.

It is an ideal solution for providing long distance, high quality and high efficiency of wireless real-time transmission applied in emergency telecommunications such as commanding, emergency rescues, and multiple fields like investigation, field battle, public security, armed police, fire control, oil field, mines, water project, electricity, and so on.

Key Features

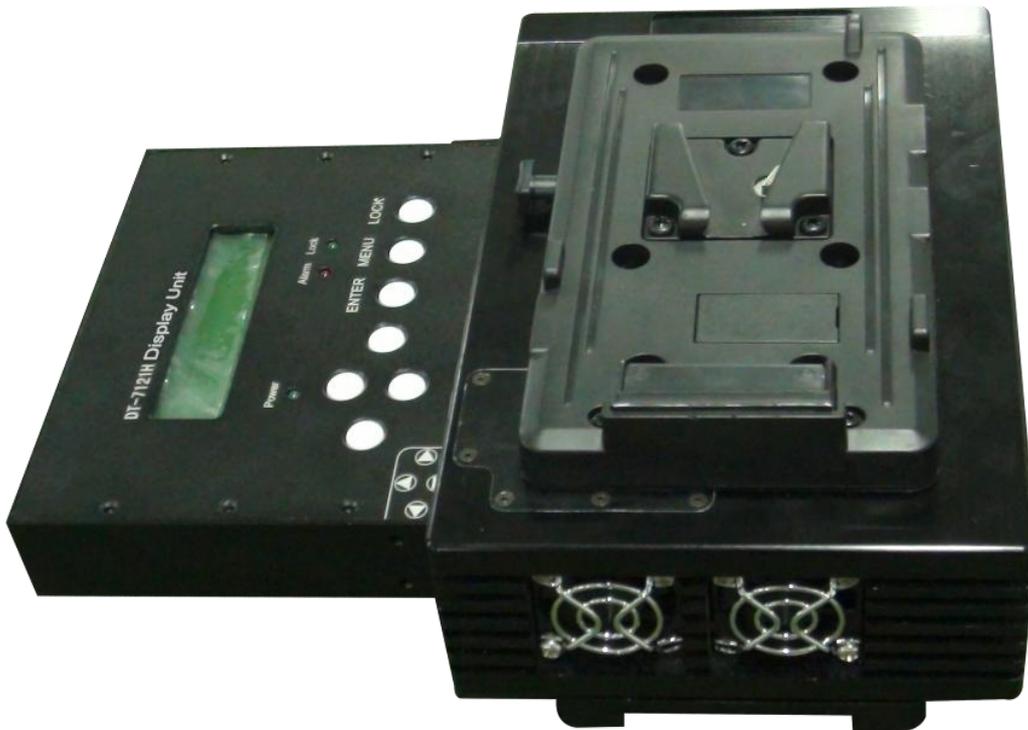
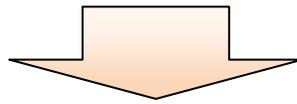
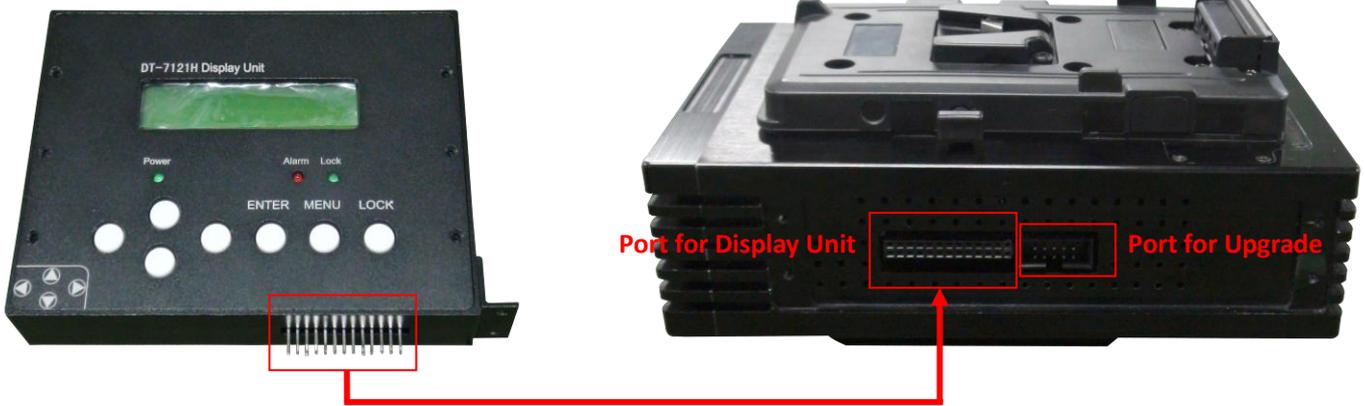
- Unfixed spot positioning transmitting of remote distance
- It can transmit close-distance, continuous, and moving (non-vision distance) real-time AV signal.
- Adjustable transmitting power (0-3 W) and frequency (200-900 MHz)
- Adjustable modulating mode (QPSK/16QAM/64QAM)
- The emission system can simultaneously send one video and one audio
- Image quality guaranteed in the transmission process.
- Stable and reliable emission system
- It can cooperate with satellite image car as a repeater.
- It adopts COFDM modulation mode, besides it has strong multipath interference rejection ability, so it can realize 180km/h within the high-speed mobile transmission in signal coverage area
- 1-3 kilometer transmitting distance available

Specifications

RF parameters	
Transmitting power	0W ~ 3W adjustable
Transmitting frequency	200MHz~900MHz adjustable
Bandwidth	2MHz, 6MHz, 7MHz, 8 MHz
Out-band suppression	≥50dB
Output impedance	50Ω
Inter-band ratio	≥25dB
Output port	N-L16 (negative)
Digital modulation parameters	
Modulation mode	COFDM (QPSK, 16QAM, 64QAM adjustable)
Correcting mode	LDPC
MER	≥22dB
BER	≤10 ⁻⁸
AV input encoding parameters	
Video	HDMI/CVBS /YPbPr/S-Video
Audio	HDMI, L/R channel non-balanced analog, stereo
Image definition	1920*1080_60P,1920*1080_50P; 1920*1080_60i, 1920*1080_50i; 1280*720_60p, 1280*720_50P; 720x576_50i (PAL); 720x480_60i (NTSC)
AV data formatting	MPEG4 AVC/H.264

Transmitter Display Unit

DT-7121H Transmitter



Easy to setup power, modulating mode and frequency with the display unit