

## Digital Portable Ku Point-to-Point Link System



### System introduction:

The TLPTP-KU/P series portable digital microwave transmission system can make the television station overcome the shortage of analog transmission, and improve the quality of image, remove the multipath effect. It makes a breakthrough in signal transmission of live broadcast.



### Application field:

This system is mainly applied to live broadcast or live monitor the physical activities, programs of entertainment, ENG and rallies. It also be the desirable facility to transmit the high-quality audio and vedio signals.



### Function and Features:

- Adopting inported grand scale integrated IC and modules, and the ability is perfect.
- Compacting structure, practical and reasonable functions, Easy assembling and using.
- Adopting MPEG-2 DVB Coding Standard
- Adopting FEC code error correction

Adopting QPSK modulation  
 It can be expanded to transmit multipath signals.  
 Supporting single channel stereo or two channels audio frequency coding  
 Supporting digital interface ASI, SPI, SDI, AES/EBU  
 Supporting analog A/V interface  
 Supporting multiple times of relay.  
 Supporting CA



### System component:

Transmission part

Standard components: transmitting mainframe, microwave transmitting head, 0.4m antenna, cable wheel, non slip teflon coated tripod, aluminum alloy package case.

Receiving part

Standard components: receiving mainframe, 0.4m antenna, cable wheel, non slip teflon coated tripod, aluminum alloy package case



### Technology specification index:

Microwave Frequency <sup>↕</sup>	10.7~11.7GHz <sup>↕</sup>	
Transmitting Power <sup>↕</sup>	50mw-3w <sup>↕</sup>	
Input/Output Digital Interface <sup>↕</sup>	ASI, SPI, SDI, AES/EBU <sup>↕</sup>	
Power Supply <sup>↕</sup>	220V/3A <sup>↕</sup>	
Receiving Sensitivity <sup>↕</sup>	-90 dBm <sup>↕</sup>	
Input/Output Interface <sup>↕</sup>	analog: standard A/V interface <sup>↕</sup>	
Antenna Aperture <sup>↕</sup>	0.4m (30dBi) <sup>↕</sup>	
Receiving power <sup>↕</sup>	220V/1A <sup>↕</sup>	
weight <sup>↕</sup>	Transmitter Body <sup>↕</sup>	5kg <sup>↕</sup>
	Microwave transmitting head <sup>↕</sup>	2kg <sup>↕</sup>
	Receiver Body <sup>↕</sup>	3kg <sup>↕</sup>
	Microwave receiving head <sup>↕</sup>	2kg <sup>↕</sup>



System block diagram:

