

## Portable Digital Video Wireless Transmitter



### Overview:

Portable Digital Video Wireless Transmitter is mainly for wireless mobile real-time transmission of digital audio and video, under the complex environment of non-line-of-sight, such as in the city, underground and in the building. This transmitter is in small size, and is convenient to carry. It has the technical advantages of definition image, strong diffraction, anti-multi-path, and so on. The transmission distance within the coverage is more than 1Km, and it can be up to 3 to 5Km under the sighting condition



## Technical Specification:

» RF Parameters	
» Transmitting Power	» $\geq 1W$ (Port digital power)
» Transmitting Frequency	» 280MHz ~ 860MHz (6 preset frequencies for choice)
» Bandwidth	» 2,4,8MHz
» Out- Band Rejection	» $\geq 50dB$
» Output Impedance	» $50\Omega$
» Bandwidth Shoulder Ratio	» $\geq 25dB$
» Output Interface	» N-L16(Female)
» Digital Modulation Parameters	
» Modulation Mode	» COFDM DMB-T (GB20600-2006) or DVB-T
» Correction Mode	» LDP or RS
» MER	» $\geq 22dB$
» BER	» $\leq 10^{-8}$
» Video and Audio Input Coding Parameters	
» Video	» CVBS Composite Signal
» Video Input Interface	» BNC (Female)
» Audio	» Left/Right Channels, Stereo
» Audio Input Interface	» BNC (Female)
» Digital Video and Audio	» SDI (Option)
» Video Definition	» 720*576 / 1920*1080I
» Audio and Video Data Format	» MPEG-II, H.264
» Others	
» MTBF	» $\geq 10000h$
» Working Voltage	» DC10V ~ 16V (the professional battery for camera)
» Environmental Conditions	» Storage Temperature: -40 ~ +70
	» Operating Temperature: -20 ~ +50
	» Relative Humidity: 85% (no condensation)
» Power Consumption	» About 13W (without SDI interface)
	» About 15W (with SDI interface)
» Volume	» 180*110*88 (mm)
» Weight	» 1.8Kg (all of them are aluminum milling components)



## Portable transmitter:

1. Model: DT-7101E(C)-2  
2MHz operation bandwidth transmitter (H.264 encoding), CVBS input
2. Model: DT-7101E(C)-2  
8MHz operation bandwidth transmitter (H.264 /MPEG-2 encoding), CVBS and SDI input (option)
3. Model: DT-7101E(C)-2  
HD 8MHz operation bandwidth transmitter (H.264 encoding), YPbPr or HDSDI/HDMI input
4. Model: DT-7101E(C)-2  
4MHz operation bandwidth transmitter (H.264 encoding), CVBS and SDI input (option)