

Mobile Digital Video Wireless Transmitter



Overview:

Mobile digital video wireless transmitter adopts high power non-line-of-sight moving video transmission equipment. It applies to mobile, onboard, ship borne and so on. The maximum power can be 20W. The transmitter has the advantages of high definition video, anti-multi-path interference and strong anti-attenuation properties. It can transmit the video in stable when the moving speed is 200 Km/h. With omni directional antenna, the transmission distance can be up to more than 100Km



Technical Specification:

» RF Parameters	
» Transmitting Power	» 1W ~ 20W (Port digital power)
» Transmitting Frequency	» 280MHz ~ 860MHz (frequency band or single frequency, optional)
» Bandwidth	» 2, 4, 8MHz
» Out-of-Band Rejection	» ≥50dB
» Output Impedance	» 50Ω
» Bandwidth Shoulder Ratio	» ≥30±2dB
» Output Interface	» N-L16 (Female)
» Digital Modulation Parameters	
» Modulation Mode	» DMB-T (GB20600-2006) or DVB-T
» Correction Mode	» LDPC or RS
» MER	» ≥25dB
» BER	» ≤10 ⁻⁸
» Carrier Numbers	» 3780 2K 8K
» Constellation Mapping	» 4 QAM
» Data Stream	» ≥ 4.7Mbps
» Video and Audio Input Coding Parameters	
» Video	» CVBS Composite Signal
» Video Input Interface	» BNC (Female)
» Video Input Impedance	» 75Ω
» Audio	» Left/Right channels, Stereo
» Audio Input Interface	» BNC (Female), Aerial Socket (600Ω balanced input)
» Digital Audio and Video	
» Video and Audio Interfaces	» SDI (Option)
» Video Definition	» BNC (Female)
» Audio and Video Data Format	» 720*576 / 1920*1080I
» Others	» MPEG-II, H.264
» MTBF	» ≥10000h
» Working Voltage	» AC 90V ~ 250V
» Environmental Conditions	» Storage Temperature: -40 ~ +70
	» Operating Temperature: -20 ~ +50
	» Relative Humidity: 85% (no condensation)
» Power Consumption	» About 180W (power 20W)
	» About 150W (power 10W)
» Volume	» 19 483*400*88 (mm)
» Weight	» 15Kg
» Cooling Mode	» Forced air cooling



Portable Transmitter:

1 Model: DT-7220E(C)-2

2MHz operation bandwidth transmitter (H.264 encoding), CVBS and SDI input

2 Model: DT-7220E (C)-2

8MHz operation bandwidth transmitter (H.264 /MPEG-2 encoding), CVBS, SDI and ASI input

3 Model: DT-7220E (C)-2

HD 8MHz operation bandwidth transmitter (H.264 encoding), YPbPr, HDSDI/HDMI and ASI input

4 Model: DT-7220E (C)-2

4MHz operation bandwidth transmitter (H.264 encoding), CVBS, SDI and ASI input