

Digital UHF Wireless System Comparison (Gen3, Gen3.5, Gen4)



Series	AT210 (Discontinued)	AT210P (Hot)	DT228 (New)
TECH Platform	 AT210 Digital Audio UHF Wireless Tech Platform (Gen 3)	 AT210 [Plus] Digital Audio UHF Wireless Tech Platform (Gen 3.5)	 DT220 Digital UHF Wireless Tech Platform (Gen 4)
Carrier Band	668 ~ 698Mhz	510 ~ 590Mhz + 668 ~ 698Mhz (610~668Mhz in future)	510 ~ 590Mhz + 668 ~ 698Mhz (610~668Mhz in future)
SN	96dB	105dB	123dB
Floor Noise Voltage	<20uV	<20uV	≈6uV [Monitoring Class]
Distance	Portable Kit: 50~60m Rack Mounted Kit: 100~120m	Same as left	Same as left
Freq. Response Attenuation	<2dB (20Hz~20KHz)	Same as left	<3dB (20Hz~20KHz)
Phase Drift	30° ~ -60° (20Hz~20KHz)	Same as left	Same as left
T.H.D	<0.03% (@1KHz)	Same as left	Same as left
Latency	<4ms	4.17ms	4.17ms
Antenna	Portable Tx: FPC Dual-Mode Antenna Portable Rx: FPC Dual-Mode Antenna Rack Rx: 600Mhz Stick antenna + 500Mhz Stick antenna	Portable Tx: FPC Dual-Mode Antenna Portable Rx: FPC Dual-Mode Antenna Rack Rx: 600Mhz Stick antenna + 500Mhz Stick antenna	Portable Tx: FPC Dual-Mode Antenna Portable Rx: FPC Dual-Mode Antenna Rack Rx: 600Mhz Stick antenna + 500Mhz Stick antenna
TX Battery Life (@48V Phantom)	>6h(14500 Li Battery)	>6h(14500 Li-battery) >8h(Customized 14500Li-battery)	>12h(18650 Li-battery) >6h(14500 Li-battery) >8h(Customized 14500Li-battery) >2h(AA battery)
Power Supply	14500 Li-battery	14500 Li-battery	[Hybrid Tech] 14500 Li-battery / 18650 Li-battery / AA battery
Screen	Portable Tx: OLED Portable Rx: OLED Rack Rx: TFT	Portable Tx: OLED Portable Rx: OLED Rack Rx: TFT	TFT High-resolution Screen
3D Gyroscope	√	√	×
Laser Pointing	√	√	×
			(Optional accessories in future)
UI	V1.0	V2.0	V3.0
Rx Overvoltage Protection	×	√	√
OTA	Portable Tx: Support Portable Rx: Not Support Rack Rx: Support	Same as left	Same as left
Others	Rack Rx: DIP Switch	Rack Rx: DIP Switch	Portable Tx: Slightly larger & longer. Portable Rx: Slightly larger & longer. Rack Rx: unchanged in size, push button switch. The Freq. (<30Hz) attenuation is 1dB larger.