

**MIPRO TRUE DIGITAL**  
**Innovation · Reliability · Performance**



**ACT-818 · ACT-828**

ACT-818 - ACT-828 Digital Encryptable Receivers

- Single & Dual channel digital diversity receivers.
- Expanded 64 MHz bandwidth.
- 480 MHz to 604 MHz over 2 bands.
- SPDIF interface.
- True Digital transmission.
- No companding.
- 24-bit / 44.1 kHz audio sampling.
- 256-bit encryption.
- Second generation DSP.
- AutoScan & ACT channel setup.
- SmartEQ™ with capsule emulation.
- 20Hz – 20kHz Frequency Response.
- Transparent audio performance.
- 219 presets; 17 groups per band.
- 16 intermod free presets per group.
- Enhanced RF circuitry.
- True dynamic range of 115 dBA.
- T.H.D. < 0.03% at 1 kHz.
- Less than 2.7 ms latency.
- Metal receiver housings.
- Full-color VFD display.
- MIPRO RCS27 software allows real-time

**Specifications - System**

Frequency Range	Band 5E: 480-544 MHz Band 5F: 540-604 MHz
Bandwidth	64 MHz
Channel Setup	MIPRO SCAN & ACT Sync
Audio Sampling	24-bit/44.1kHz Rate
Audio Compression	2nd Generation DSP inertial coding
Latency	< 2.7ms
Frequency Response	20Hz~20KHz (-2dB)
S/N Ratio (analogue output)	>115dB (A)
T.H.D.	< 0.3% at 1KHz
Encryption	256 bit

**Specifications - Receiver**

Systems	Single & Dual channel digital diversity
Sensitivity	15dBµV at S/N~118dBA
Bandwidth	64MHz per band (3 Bands, 192MHz)
Channel Grid	25kHz
Image/Spurious Rejection	>85dB
Dual Squelch Control	"NoiseLock & Pilotone" Circuit
Peak Deviation	±68KHz
Audio Output	Balanced XLR × 1 Unbalanced 6.3 mm (1/4 ") × 1
Analog Output Switch	Mic /Line
Digital Audio Interface	SPDIF output. BNC female × 1
Digital Equalizer	Preset 10 Capsule Modeling
Digital Anti-feedback EQ	Preset 10 Anti-feedback Capsule Modeling
Antenna Input	50Ω TNC Female Connector ×2
Power Supply	External AC Power Supply, 12~15V DC, 1A
PC Interface	USB/RS-232 I/O MIPRO ACT-BUS
Display	Full-Color VFD (vacuum florescent)
Environmental Conditions	14—140 degrees F
Dimensions	818: 8.3(W) × 1.7(H) × 9(D)" 828: 16.5(W) × 1.7(H) × 9.6(D)"
Weight	818: 2.4 lbs. 828: 4.8 lbs.
Housing	Metal: 818: ½ RU, 828: 1 RU
Matching Transmitters	Magnesium Alloy ACT-80H, ACT-80T