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## KEY FEATURES

- > Secure data communication
  - 256-bit AES
- > Multi-band reception and transmission
  - Frequency band (UHF, L, S, C and K)
- > High-speed decryption / encryption
- > Standard architecture
- > Transmission capability
  - External antenna connector
  - Transmission band edge extension
- > Transmission capability
  - Same difference band
  - Direct reception frequency extension data reception reception antenna
  - Transmission reception interface
- > Various features
  - Accepts 10-32 VDC
  - AC/DC battery operation
  - BA-5590 battery-charging ( )-TD-1.33

## SPECIFICATIONS

### PERFORMANCE CHARACTERISTICS

#### Transmit and Receive Bandwidth

- > Ku-Band: 14.40 GHz to 14.83 GHz and 15.15 GHz to 15.35 GHz, 1.0 MHz steps
- > C-Band: 4400 MHz to 4950 MHz and 5250 MHz to 5850 MHz, 1.0 MHz steps
- > S-Band: 2025 MHz to 2110 MHz and 2200 MHz to 2500 MHz, 0.25 MHz steps
- > L-Band: 1625 MHz to 1850 MHz, 0.25 MHz steps
- > UHF: 225 MHz to 512 MHz, 1 kHz steps

#### Video

- > High-Definition Video: 1080p30, 1080p25, 720p60, 720p50,
- > Standard-Definition Video: 480i29.97 (NTSC), 576i25 (PAL)
- > H.265 HD (available via future software update)
- > H.261 (decode only)
- > H.264
- > MPEG-2 (legacy-compatible)
- > MPEG-4 part 2
- > MJPEG

#### Encryption and Decryption

- > 256-bit AES

### PHYSICAL CHARACTERISTICS

#### SWaP

- > Size: 17.2 cm (w) x 10.9 cm (h) x 34.1 cm (d) (without battery)  
17.2 cm (w) x 10.9 cm (h) x 44.7 cm (d) (with battery)
- > Weight: < 4 kg. (without battery)
- > Power: 10 to 32 VDC, 51 watts max  
BA5590 or BA2590 battery  
Battery eliminator for AC or DC input

#### Environmental

- > Immersion: 1 meter of water for up to 30 minutes
- > Shock: 3-foot drop (without battery) 20 G, 11 msec (terminal sawtooth peak (operating))
- > Altitude: 30,000 feet (9,100 m) (operating)
- > Temperature: -40 °C to +60 °C (operating, ambient)  
-40 °C to +70 °C (operating, cold plate or forced air)  
-40 °C to +85 °C (non-operating)

### Electrical Interface

- > 100 Base-T Ethernet, IPv4 and IPv6 networking
- > RS-232 GPS<sup>4</sup> reception
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