

FEATURES

- ⊕ 1-4 Independent Video Channels (REI-2781U =1 Channel, 2782U =2 Channel, REI-2783U =3 Channel and REI-2784U =4 Channel)
- ⊕ Translucent White Characters Variable Size and Location
- ⊕ Rugged Design for Airborne and Ground Mobile Use
- ⊕ Operate with RS-170A and RS-343 (FLIR) Video Signals
- ⊕ Locking Power Switch
- ⊕ Low power Consumption
- ⊕ 28 VDC Power and GPS Lock Indicators
- ⊕ Provide Accurate Time Where IRIG is Not Available
- ⊕ RS-232 Remote Control of Character Position and Size



REI-278XU

The REI-278XU is a 1-4 channel GPS video character inserter designed for airborne applications. The unit is housed in a rugged metal enclosure measuring 4.0" W x 3.1" H x 6.0" D. The unit receives GPS signal input via an antenna attached to the front front mounted SMA BNC connector. BNC video loops (input/output pair) are provided. Each video loop will insert the GPS Time upon an independent video signal. +28 VDC is received via an ITT Cannon KPT02E10-98P connector.

The REI-2784 generates translucent white digits in 7 segment format. Horizontal & vertical size, position & character brightness are adjustable by means of five potentiometer controls, accessible inside the rear panel or remotely through the front panel RS-232 Serial Interface. Character height may be varied from 2% to 20% of picture height.

The six channel GPS receiver has an internal clock which is accurate to 1ms per day when GPS signal is lost. Typical signal re-acquisition with a six channel receiver is 5 seconds after power is restored. Remember it takes only one satellite to provide time. This makes the REI-278XU almost as accurate as an atomic clock, for a lot less money!

SPECIFICATIONS

Power Requirement:	10-40VDC, 150mA max.
Video In/Out:	1 Vp-p, 75 ohms
Mechanical:	Black painted aluminium chassis,
Operating Temperature:	0°C to 70°C
Storage Temperature:	-55° to 105°C
Operating Humidity:	95% non-condensing (+30°C to 60°C)
GPS Receiver:	Six channel (only one required for time)
Unit Size:	3.45" H x 4.0" W x 6.0" D (REI-2784 - 4.35"H x 4.2"W x 6" D)
Mounting Plate:	5.2"W x 5.75"D Ø.13" Thick