



# Specifications

Specifications and designs are subject to change without notice.

## COLOR TFT TOUCHSCREEN LCD

320x240 pixels  
54x72 mm display

## TEST SIGNAL GENERATOR

Test signals  
Split bars — 75%, 100% and RP-219  
Full bars — 75% and 100%  
Multiburst and Y only  
Crosshatch  
Crosshair  
SinX and Y only  
Checkfield  
Fullfield Red, Blue, Green, White, Black and 75% Grey  
Ramp and Y, Cb, Cr, ramp only  
Equal ramps  
10-step  
Sweep and Y only  
Window test signal and Y only  
V2A (Video-to-audio sync test signal ability)

## SERIAL DIGITAL VIDEO OUTPUT

1080i/50/59.94/60 Hz  
1080p/23.98/24/25/29.97/30 Hz  
720p/23.98/24/29.97/30/50/59.94/60 Hz  
525/59.94, 625/50  
Output jitter per SMPTE 292M and SMPTE 259M-C  
Horizontal and vertical offset from reference  
EDH or CRC insertion  
Embedded tone up to 16 channels by group  
Audio frequency and amplitude adjustable

## EMBEDDED AUDIO TONE GENERATOR

Audio frequency fixed selections  
400 Hz, 1 kHz, 5 kHz, 10 kHz, sweep  
Audio frequency variable selections  
20 Hz to 20 kHz in 10 Hz steps  
Independent or frequency (phase) matching per channel  
Audio amplitude fixed selections:  
Silent, 0, -9, -12, -18, -20 dBFs  
Audio amplitude variable selections:  
0 to -60 dBFs in 1 dB steps  
Tic mark selection from 1 to 4 in each Channel

## AES OUTPUT

One pair  
Follows selected channel settings 1 and 2 or 3 and 4  
Variable stereo headphone output of AES tone

## EXTERNAL REFERENCE INPUT

Blackburst, tri-level sync, analog video, DARS or AES word clock  
Input format auto detect of standard  
Blackburst input amplitude  
-NTSC: Sync and burst 286 mV, nominal  
-PAL: Sync and burst 300 mV, nominal  
Tri-level sync: 600 mV, nominal  
AES Word clock: 1V nominal  
DARS amplitude: 200 mV, nominal  
Internal to external timing accuracy: + 100 ns

## COMMUNICATIONS

RS-232 serial communications for firmware Upgrade

## POWER

Li-Ion rechargeable battery pack and AC power adapter/charger with North American power cord included; optional power cords available  
Auto shutdown of LCD backlight

## ENVIRONMENTAL

Operating: 0 to 40° C  
Storage: -30 to +85° C

## MECHANICAL

Dimensions  
Height: 5.9" (150 mm)  
Width: 3.6" (92 mm)  
Depth: 1.9" (47 mm)  
Weight: 13.6 oz (386 grams)  
(with Li-Ion battery pack)

## OPTIONS

EPC: European power cord for AC adapter  
EPC-UK: United Kingdom power cord for AC adapter  
EPC-AA: Australian power cord for AC adapter