

A Portable Video Generator for testing and calibrating display inputs in all operating modes—including ATSC-RF video clips and photo image test signals.

Delivers ATSC-RF with innovative test patterns, moving video clips, and photo images.



VP403C 'VideoPro' Features:

- All the signals and formats needed for testing, calibrating, and servicing all display types
- ATSC RF output delivers fast and accurate calibration of integrated HD tuners
- DVI output for testing and calibrating video displays with DVI inputs
- Outputs include composite video, S-video, component video and computer monitor signals in selectable formats
- Innovative video test patterns for accurate testing and alignment, including Linearity, Pluge, Decoder Adjust, Overscan, and Window (selectable IRE level)
- Moving ATSC-RF video clip test signals (1080i, 720p) include color balloons taking flight, and beautiful Hawaii nature scenes—plus stereo audio
- ATSC-RF still picture image test signals (480i, 480p, 720p, 1080i)
- Handheld, portable, battery operated for on-the-job testing or calibration ease

VP403C Specifications

Video Formats

SDTV/HDTV: 480i, 480p / 720p, 1080i, 1080p
 NTSC/PAL: Standard NTSC, Standard PAL
 Vesa/Mac: 38 standard formats from 640x480 to 1920x1024
 Format Storage: 100 total

Carrier Level: 5 dBmV ± 5 dBmV
 MER: >29

Audio Output

Channels: Two, 1kHz (left), 2kHz (right)
 Connector: 3.5mm stereo phone jack

Patterns

SMPTE Bar, Staircase, H_Stair, Pluge, Needle, HiLoTrk, Overscan, Sharpness, Window1, Window2, Raster, DecodAdj, DecodChk, Color-Bar, Crosshatch, Converge, Linearity, Anamorphic, Regulate, Checker, Multiburst, Focus, Ramp

Video Outputs

SDTV/HDTV: YPbPr, RGB, DVI
 NTSC/PAL: Composite, S-Video, RGB
 Vesa/Mac: RGB, DVI

Horizontal Timing

Frequency: 1.5 kHz—250 kHz
 Active pixels: 16 to 4094 pixels

Vertical Timing

Frequency: 1 Hz—1 kHz
 Active lines: 1—4095 lines
 Scan Types: Progressive, Interlace

NTSC RF Channel Output

Channels: 2, 3, 4, 6
 Carrier Level: 10 dBmV ±3 dBmV
 Carrier Accuracy: ± 50 kHz

Two ATSC-RF video clips

Two ATSC-RF photo images

Power

Battery: 6 internal AA NiMh rechargeable
 Use time: 8 hours with NiMh
 AC: 12V Regulated Charger/Adapter
 Recharge: 8 hours

ATSC RF Channel Output

Channels: 2-4, 7-10, 30-32

Weight & Size: (unpacked, w supplied batteries)

VP403C: 2.0 lbs, 6 x 8.25 x 2.875 in.



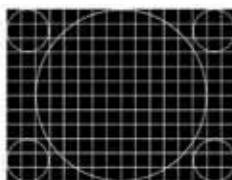
'VideoPro' Innovative Patterns



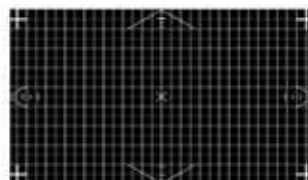
Pluge



Decode Adjust



Linearity



Overscan (16:9 shown)

VP403C ATSC-RF Video Clips



VP403C ATSC-RF Photo Images

Wow Your Customers!
 The ATSC-RF video clips test and identify artifacts related to digital signal processing, and include stereo audio.

 The photo images output to the ATSC-RF provide an excellent reference for gauging display facial color tone and clarity.

- VP403C Supplied Accessories**
- DVI-I to DVI-I 6 ft. cable
 - DVI-I to 5 BNC 6 ft. cable
 - DVI-A to VGA HD-15F adapter
 - S-Video 6 ft. cable
 - Coaxial BNC to BNC 6 ft. cable
 - Coaxial RF "F" to RF "F" 6 ft. cable
 - BNC to RCA Phono adapters (5)

VP400 Product Family

Outputs	VP400 Video Generator			
	400	401	403	403C
Composite	X	X	X	X
S-Video	X	X	X	X
Computer Monitor	X	X	X	X
Component	X	X	X	X
DVI		X	X	X
Standard RF			X	X
ATSC-RF Patterns			X	X
ATSC-RF Video Clips & Photo Images				X