



# Scan Do® Ultra and Ultra/D

Superior broadcast-quality scan converter includes full video processing controls, variable sizing, five memory presets, and optional SDI output

## Ideal Applications:

Online Video Streaming, Distance Learning/Videoconferencing, Post-production, Presentation Staging, Multimedia Events



Back Panel Drawing of Scan Do Ultra/D  
(There is no SDI BNC connector on Scan Do Ultra)

## Signal Capability

### Signals In

VGA, Mac, RGB, workstation video up to 1600x1280@60Hz

24 to 98 kHz horizontal sync range

### Signals Out

NTSC or Pal, Composite, Y/C, Component/RGB, downconverted VGA/Mac, SDI (1277 model only)

## Features

Auto-sensing circuit automatically locks to resolutions up to 1600 x 1280 (24-98 kHz)

Optional SMPTE 259M SDI output with EDH (on Ultra/D model only)

NTSC/PAL outputs: composite, S-Video, 15 kHz RGB, component (Y, R-Y, B-Y) for Betacam & MII

Genlock input with horizontal and subcarrier timing

Down converter with VGA, SVGA & Mac outputs

Video processing controls on analog outputs (not SDI output) for contrast, brightness, color saturation, hue and RGB balance

Continuous 50%-200% variable image sizing with panning

Three level flicker-free video filter, continuously variable

Advanced computer sync lock circuitry

RS-232 remote control of front panel functions with Windows software

Two computer inputs, switchable

Test pattern generator: color bars, grey scale ramp, crosshatch, circle

Five memory positions for sizing, position and processing controls

Horizontal and vertical image positioning

## Ordering Information

Part Number	Description
1274-pp	Scan Do Ultra
1277-pp	Scan Do Ultra/D with SDI Output
1152	RGBS cable BNC to BNC, 12-ft.
1204	13W3 - M to 5 BNC cable, 12 ft.
1205	13W3 - F to 5 BNC cable, 12 ft.
1206	HD-15M to 5 BNC cable, 6 ft.
1207	HD-15F to 5 BNC cable, 6 ft.
1208	DB-15M to 4 BNC cable, 6 ft.
1209	DB-15F to 4 BNC cable, 6 ft.
1009	RF modulator for N. America

NOTE: Scan Do Ultra and Ultra/D are available with international line cords. Please specify when ordering.

### Power Supply Suffix Codes (pp) for AC Line Cord:

NA - North America	AU - Australia	EU - Europe
JP - Japan	UK - United Kingdom	

## Sales



**CSI** Communications Specialties, Inc.

631-273-0404 | [commspecial.com](http://commspecial.com)  
[info@commspecial.com](mailto:info@commspecial.com)

## Inputs:

Horizontal sync frequency range: 31-71 kHz HD-15F for Mac input and DB-15F for VGA input (using supplied reversible input cable), 5 BNCs for RGBH+V workstation input

DB-15F for Mac output, HD-15F for VGA output, 5 BNCs for RGBH+V workstation output

Composite video output: BNC

S-Video output: 4 pin mini-DIN

RGBS/Y, R-Y, B-Y output: BNC x 4

Genlock input/pass-through: BNC x 2

SDI Output: BNC

## Input Resolutions:

24-98 kHz (320 x 200 to 1600 x 1280), analog RGB, non-interlaced resolutions

## Operating modes:

RGB or VGA/Mac input selection (may have separate H/V, composite sync or sync-on-green)

NTSC/PAL/VGA/Mac/SVGA output selection

VGA output: 640 x 480  
H=31 kHz, V= 60 Hz

SVGA output: 800 x 600  
H - 38 kHz, V = 60

Mac output: 640 x 480  
H = 35 kHz, V = 67 Hz

Genlock on/off with horizontal and subcarrier phasing

Output processing control: brightness, contrast, color saturation, hue, RGB balance (not available on SDI output)

Image positioning: independent horizontal and vertical positioning

Test pattern selection: color bars, grey ramp, crosshatch, circle

RS-232 remote control of all front panel functions with baud rate and handshaking selection

Flicker reduction: independent three-level selection of flicker threshold and continuous flicker reduction

Memory presets: five locations to store size, position, output processing, input source level, flicker reduction level

## Computer & video processing

Input sampling: 24-bit (8-bits per RGB)

Samples per computer video line: 640 to 800, depending on output format

Computer mode detection: auto measurement, continuous 24-98 kHz horizontal

Computer sync detection: auto detects sync as either separate H/V, composite or sync-on-green

Video processing: 24-bit separate RGB or YUV, depending on output format

Video encoding process: all digital encoding with 10-bit output D/A

Differential gain: <1%

Differential phase: <1°

Frequency response (composite, S-Video): 6.5 MHz (-3 dB)

## Equipment Included:

Scan Do Ultra or Ultra/D

AC line cord

6 ft. VGA/Mac input cable

12 ft. S-Video cable

12 ft. BNC to BNC output cable

12-ft. S-Video cable

Rackmount kit

SD Ultra Windows  
3.1/95/98/NT/2000/XP software

RS-232 remote cable

User Manual

## Power:

Internal universal input AC power supply

Input: 95 volts AC to 250 volts AC, 47 to 63 Hz

UL/CSA/TUV/CE approved

Maximum specified power:  
Scan Do Ultra: 27 Watts;  
Scan Do Ultra/D: 32 Watts

## Dimensions:

16.75 W (without rackmount ears) x  
1.75 H x 14 D (inches)

426 W x 44 H x 356 D (mm)

Weight: Approx. 7 lbs.; 3.15 kg

# Scan Do®



Schedule  
Contract GS-03F-5063C



CE



FC



Backed by a 30-day satisfaction guarantee and a three-year limited warranty on parts and labor. See website for terms and conditions.

## Sales



Communications  
Specialties, Inc.

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