

Why Buy From Black Box? Exceptional Value. Exceptional Tech Support. Period.

Recognise any of these situations?

- You wait more than 30 minutes to get through to a vendor's tech support.
- The so-called "tech" can't help you or gives you the wrong answer.
- You don't have a purchase order number and the tech refuses to help you.

According to a survey by Data Communications magazine, 90% of network managers surveyed say that getting the technical support they need is extremely important when choosing a vendor. But even though network managers pay anywhere from 10 to 20% of their overall purchase price for a basic service and

support contract, the technical support and service they receive falls short of their expectations—and certainly isn't worth what they paid.

At Black Box, we guarantee the best value and the best support. You can even consult our Technical Support Experts before you buy if you need help

selecting just the right component for your application.

Don't waste time and money—call Black Box today.

Specifications

Controls:

AC215A: Contrast, brightness, colour, saturation, hue, horizontal and vertical positioning;

AC217A: Input selection, output resolution, input to output aspect ratio conversion

Input Decoding: AC215A: 8-bit Y, 8-bit C, and 16-bit YUV with comb-filter processing;

AC217A: 16-bit YUV with adaptive 4H comb-filter processing

Input Formats: Normal (4:3), Letterbox (16:9)

Input Types:

AC215A: Composite and S-Video (Y/C), both terminating into 75 ohms;

AC217A: Composite, S-Video, (Y/C), both terminating into 75 ohms, component

Input Video Standards:

AC215A: NTSC, NTSC-Japan, PAL (B, D, G, H, I, M, N, N-3.58), SECAM;

AC217A: NTSC, PAL (B, G, H, I)

Output Resolutions:

AC215A: 640 x 480, 800 x 600, 832 x 624, 852 x 480, 1024 x 768, 1280 x 1024 (60 Hz only);

AC217A: 480p, 720p, 1080p, 1280 x 1024, 1366 x 768

CE Approval: Yes

Aspect Ratio Conversion: AC217A: 4:3 to full screen, 4:3 to 4:3 in 16:9 screen, 16:9 to 16:9

Switch: AC217A: Selects output format for RGBHV, RGBS, or YC_BC_R

Connectors:

AC215A: Input: (1) Composite: BNC F; S-Video: (1) 4-pin mini-DIN

F; Output: (1) HD15 F with standard VGA pinout, (5) BNC connectors configurable as RGBHV, RGBS, or RGSB (RGB Sync on Green);

AC217A:

Input: (1) Composite: RCA F; S-Video: (1) 4-pin mini-DIN F;

Component: (3) RCA F; Output: (1) HD15 F standard VGA pinout; RS-232 remote: (1) 3-pin screw terminal

Power: AC215A: 95 to 250 VAC, 47 to 63 Hz, autosensing, external; AC217A: 85 to 265 VAC, 47 to 63 Hz, autosensing, internal

Size: 1.5"H x 7.3"W x 8"D (3.8 x 18.5 x 20.3 cm)

Weight: AC215A: 3 lb. (1.4 kg); AC217A: 2 lb. (0.9 kg)

Technically Speaking

The Advanced Video Scaler and Intelligent Video Scaler convert images from a TV screen onto a computer monitor, LCD, or plasma screen. Here's more about how they work.

Types of signals.

TV video is defined by either the NTSC, PAL, or SECAM standard, which dictates the number of lines in the picture, how the colour information is defined, and the speed with which the lines are painted on the screen (refresh rate). But within NTSC, PAL, and SECAM, there are several formats that meet these standards. Composite video is most commonly used, with video information for red, green, and blue (RGB) and sync combined into a single signal.

S-Video, which separates the chrominance (colour) from the luminance and sync information, provides a superior picture.

AC217A also supports component video, which carries the colour and brightness portions of the video signal as separate signals. This provides superb colour clarity and reduced colour bleeding.

How they work.

The Video Scalers will accept any video source, de-interlace it with proprietary, advanced motion compensation, and then intelligently scale it to the desired resolution with virtually no artifacts. All you need to do is set the output resolution to match the native resolution of the connected LCD, DLP, or plasma projector or display.

Typical Application

Convert images from your TV screen to clear, crisp images on your computer screen for superior presentations.

Ordering Information

ITEM	CODE
Advanced Video Scaler.....	AC215A
Intelligent Video Scaler	AC217A
<i>For optimum performance, order ...</i>	
VGA Video Extension Cable (Specify length, PVC or plenum construction, and gender when ordering).....	EVNPS05