

## SC-2040B(analog output)/W(digital output) Variable Scan Converter (With simple window display)

**NEW**

### Smaller, more economical, superior quality digital scan converter

SC-2040B/W is a 2-window format capable Variable Scan Converter that adds a simple window display function to the 2040/T Variable Scan Converter. By utilizing ASTRODESIGN'S original image conversion technology "TERA(Technology Radionics)," the highest quality and resolution are realized at a low price. Allows automatic scanning of image input while input and output frequency, resolution, and display position of background imagery are 1 to 1, the unit is capable of setting screen position, zooming and display area. Various production effects such as wipes and fades between two screens can be added.



#### · Features

- Easy to use applications. SC-2040B : Analog RGB - YPbPr (YCbCr) color difference input and output. simple window display function. SC-2040W: Same as SC-2040B above + Digital TMDS (DVI) output.
- Adopts new scan conversion technology "TERA" to output the best converted quality images.
- Small (1U) / low price.
- Supports high definition - maximum UXGA and HDTV1080-60p.
- Interlace / non interlace (progressive) input and output.
- Easy calculation of window position in a multi-vision by a virtual coordinate.
- Improvement of accuracy in automatic tracing and automatic enclosure setting.
- Improved operability with wireless remote control (optional).
- Equivalent sampling adjustment can be operated with a navigation program.
- Any eight characters can be displayed.

Conversion diagram



specifications

Input	Scanning system	Interlaced/progressive
	Horizontal/Vertical frequency	125kHz/100Hz
	Sampling frequency	17 to 162MHz (81MHz MAX. at interlace mode)
Video	WINDOW RGB	0.7Vp-p/75Ω terminated (BNC connector 1 ch)
	YPbPr/YCbCr	0.7Vp-p/75Ω terminated (commonly used with RGB)
	BASE RGB	0.7Vp-p/75Ω terminated (BNC connector 1 ch)
	YPbPr/YCbCr	0.7Vp-p/75Ω terminated (commonly used with RGB) (SC2040B only)
Sync	WINDOW GonSYNC	0.3Vp-p/75Ω terminated, HDTV 3-level sync
	CS	0.3 to 4.0Vp-p/75Ω terminated (positive/negative polarity), TTL level (positive/negative polarity), HDTV 3-level sync
	HS/VS	0.3 to 4.0Vp-p/75Ω terminated (positive/negative polarity), TTL level (positive/negative polarity) All BNC connector, CS and HS are commonly used
External lock	CS	0.3 to 4.0Vp-p/75Ω terminated (positive/negative polarity), TTL level (positive/negative polarity), HDTV 3-level sync
	HS/VS	0.3 to 4.0Vp-p/75Ω terminated (positive/negative polarity), TTL level (positive/negative polarity)
		All BNC connector with loopthrough output, CS and HS are commonly used, external lock and video(BASE) sync are commonly used
Output	Scanning system	Interlaced/progressive
	Horizontal/Vertical frequency	125kHz/100Hz
	Dotclock frequency	17 to 162MHz
Analog (SC-2040B)	RGB	0.7Vp-p/75Ω (BNC connector 1 ch)
	YPbPr/YCbCr	0.7Vp-p/75Ω (commonly used with RGB)
	GonSYNC	0.3Vp-p/75Ω, HDTV 3-level sync
	CS	0.3Vp-p/75Ω (positive/negative polarity), TTL level (positive/negative polarity), HDTV 3-level sync
	HS/VS	TTL level (positive/negative polarity) All BNC connector, CS and HS are commonly used
Digital (SC-2040W)	Dotclock frequency	25 to 162MHz (up to 150MHz is recommended)
	DVI(RGB)	DVI R1.0 (digital only), DVI-I connector
Control		RS-232C (D-Sub9pin male 1 ch)
		Dedicated serial bus (BNC 1ch with loopthrough output)
		Remote box: RB-1636 (optional)
General	Voltage	AC100 to 120/200 to 240V (50/60Hz)
	Power consumption	75W MAX
	Operating temperature range	5 to 40°C (no condensation)
	Operating humidity range	30 to 80%RH (no condensation)
	Dimensions	430(W) × 44(H) × 350(D) mm (excluding projected parts)
	Weight	Approx. 5kg

