

SC-2040(analog output)/T(digital output) Variable Scan Converter

NEW

Smaller, more economical, superior quality digital scan converter

SC-2040/T is a Variable scan converter that can handle almost all currently existing image frequencies used to perform auto setting and inputs output of up / down conversions (frequency conversion). By utilizing ASTRODESIGN's original image conversion technology "TERA(Technology Radionics)," the highest quality and resolution are realized at a low price. Allowing automatic scanning of image input, the unit is capable of setting screen position, zooming and display area. Since the unit supports multivision (displays smooth animation images), and YPbPr input and output, HDTV input and conversion from a computer to HDTV signal is possible.



· Features

- Easy to Use Applications. SC-2040 : Analog RGB / YPbPr (YCbCr) color difference
- Input and output SC-2040B: Same as SC-2040 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 such as maximum UXGA and HDTV1080-60p.
- Inter race / non inter race (progressive) input and output.
- Easy window position calculation in multi-vision using a virtual coordinate.
- Improved accuracy when using automatic tracing and automatic enclosure settings.
- Improved operability with optional wireless remote control.
- An equivalent sampling adjustment can be operated with a navigation program.
- Any eight characters can be displayed.

Conversion diagram



specifications

Input	Scanning system	interface/progressive
	Horizontal/Vertical frequency	125kHz/100Hz
	Sampling frequency	17 to 162MHz (81MHz MAX. at interface mode)
Video	WINDOW RGB	0.7Vp-p/75Ω terminated (BNC connector 1 ch)
	YPbPr/YCbCr	0.7Vp-p/75Ω terminated (commonly used with RGB)
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	interface/progressive
	Horizontal/Vertical frequency	125kHz/100Hz
	Dotclock frequency	17 to 162MHz
Analog (SC-2040)	RGB	0.7Vp-p/75Ω (BNC connector 1ch)
	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-2040T)	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 1ch)
		Dedicated serial bus (BNC 1ch with loopthrough output)
		Remote box: RB-1636 (optional)
General	Voltage	AC 100 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

Rear View
SC-2040



Rear View
SC-2040T

