

MC-2018 Multimedia Scan Converter

Performance creates attention to every scene

MC-2018 is low cost multi-function multimedia scan converter that enables editing and synthesizing up to 4 data screens on a single display in real time. Adopts an input module method that had previously been used in only expensive high-end models conventionally. This unit supports various types of video signal input including analog RGB, YPbPr component, composite and video signals of S-Video (planning to develop). In addition, DVI output is equipped in addition to conventional analog output. It supports digital interface that has recently become popular.



· Features

- Equipped with two types of input modules to cope with different types of input (four type input maximum).
- Supports analog RGB/YPbPr color difference signal input module.
- Supports NTSC/PAL video (composite/S video) signal input module (planning to develop).
- Improved automatic tracing of input signal and precise determination of signal enclosure.
- Different input video sources for up to 4 windows can be displayed by setting screen position/size/ display area/priority.
- Equipped with two types of output-analog and DVI digital. It is possible to use them simultaneously.
- Comes with RC-232C through output.
- Allows display of arbitrary text in each window (up to 8 characters).

· Function

- TEST pattern output for adjustment.
- Adjustable brightness, contrast, gamma, enhancement picture compensation for each window.
- Frame locking with an outside reference signal is possible. Allows output phase adjustment.
- Enables suppression of input and output attributed to difference of frame rates.
- Setting of background color and border indication is possible for each input window.
- OS Display of window number and window name is possible for each input window.
- Enclosure adjustment function such as trimming and positioning.

Specifications

Input signal				
Analog RGB/YPbPr input	Scanning system	Interlace/progressive(non interlace)		
	A/D conversion frequency	10 to 135MHz		
	Horizontal frequency	15 to 100KHz		
	Vertical frequency	24 to 80Hz(depends on input signal resolution)		
	Horizontal sync width	6μSec or less(0.6μSec at trilevel)		
	Video signal	Color format	AnalogRGB/Analog color difference	
		Input level	0.7Vp-p terminated (±10%adjustable at 1% step:BNC connector: without loopthrough output)	
Display		Max 1920×1080		

		pixel aize		
	Sync signal	HS/VS	0.3 to 4.0Vp-p/75Ω terminated(positive/negative polarity) TTL level/high impedance(positive/negative polarity) (BNC connector:without loophrough output)	
		G-on	bilevel:0.3Vp-p/75Ω terminated(negative polarity) trilevel:±0.3Vp-p/75Ω terminated	
		CS	0.3 to 4.0Vp-p/75Ω terminated(positive/negative polarity) TTL level/high impedance(positive/negative polarity) trilevel:±0.3Vp-p/75Ω terminated(positive/negative polarity) (BNC connector:without loophrough output)	
	Line signal	HS/VS	0.3 to 4.0Vp-p/75Ω terminated(positive/negative polarity) TTL level/high impedance(positive/negative polarity) (BNC connector:without loophrough output)	
		CS	0.3 to 4.0Vp-p/75Ω terminated(positive/negative polarity) TTL level/high impedance(positive/negative polarity) trilevel:±0.3Vp-p/75Ω terminated (BNC connector:without loophrough output)use with HS	
Output signal				
Analog output	Scanning system	Progressive(non interlace)only		
	A/D conversion frequency	25 to 135MHz		
	Horizontal Vertical frequency	15 to 100KHz/24 to 80Hz		
	Video signal	Color format	Analog RGB	
		Output level	0.7Vp-p terminated(±10%adjustable at 1% step)	
		Maximum display pixel size	1280×1024	
		Number of output channel	1ch (BNC connecor)	
	Sync signal	G-on	0.3V/75Ω terminated(negative polarity)	
		CS	0.3Vp-p/75Ω terminated(negative polarity),TTL level	
		HS/VS	0.3Vp-p/75Ω terminated(negative polarity), TTL level(positive/negative polarity)	
		Number of output channel	1ch (BNC connector)commonly use with HS	
Digital output	Scanning system	Progressive(non interlace)only		
	Dot clock frequency	25 to 135MHz		
	Horizontal Vertical	15 to 100KHz/24 to 80Hz		

	frequency		
	Video sync output	Color format	DVI digital RGB
		Output level	TMDS
		Maximum display pixel size	1280×1024
		Number of output channel	1ch (DVI-I connector)
Control	Remote port	RS-232C(D-SUB 9pin male 1ch)	
	Dedicated serial bus	Cascaded connection with BNC cable multi set controlable either simultaneously via RS-232C port	
General	Voltage	AC100 to 240V (50/60Hz)	
	Power consumption	Max, 80W	
	Operating temperature range	5 to 40°C(no condensation)	
	Operating humidity range	30 to 80%RH(no condensation)	
	Dimantion	430(W)×88(H)×500(D)mm(2U/excluding projected parts)	
	Weight	Approx, 8kg	