

GW2100 Broadcasting Switcher



GW2100 broadcasting switcher is designed for video and audio switching in TV center. The front panel pushbutton represents each of input signals. The “TAKE” function controls the PST and PGM switching.

GW2100 broadcasting switcher has built-in dual clock design, enabling the NO Jitter switching.

Features:

- | 19” 1U standard chassis
- | Analog Routing Switcher 8×2 or 12×2 or 16×2
- | Two Output Buses for PST and PGM
- | Auto Negotiating PAL, NTSC, SECAM Video and Mono, Stereo Audio
- | Dual Clock Design Ensure No Jitter Output
- | Power Off Memory
- | Synchronic Signal Input available.
- | Remote Control Optional
- | Video Connector: BNC, Audio connector: 3 PIN

Specifications

Video Input

Return Loss	>40dB	4.43MHz
Level	1Vp-p	

Video Output

Channel Number	2	
Return Loss	>40dB	4.43MHz
Level	1Vp-p	

Video Performance

Gain	0dB
Gain Stability	<±0.1dB
Frequency Response	<±0.15 dB (up to 6MHz)
2T K-Factor	<0.25%
2T Pulse /Bar Response	<0.25%
S/N Ratio CCIR567	>70 dB
Differential Gain	<0.15%(10-90% APL) @4.43MHz (without clock) <1.5%(10-90% APL) @4.43MHz (with clock)
Differential Phase	<0.15° (10-90% APL) @4.43MHz (without clock) <1.5°(10-90% APL) @4.43MHz (with clock)

Cross Talk	< -66 dB @4.43MHz (Adjacent Channel) < -60 dB @4.43MHz (Worst Case)
Path Length Diff	<±0.1°@4.43MHz
Chr/Lum Gain Inequality	<±0.15%
Chr/Lum Delay Inequality	<±2 ns

Audio Input

Level	+20dBu Maximum
Common Mode Rejection):	>60 dB (20Hz~20KHz)

Audio Output

Level	+20dBu (600Ω Load)
DC On Output	<±20mV

Audio Performance

Gain	0dB
Gain Stability	<±0.1dB
Frequency Response	<±0.1dB (20Hz~20KHz)
Total Harmonic Distortion	<0.015% +20dBu (20Hz~20KHz)
Noise	<-85dB (20KHz Weighted, RMS)
Cross Talk	< -90dB (Typical, up to 20KHz) <-85dB (Worst Case, up to 20KHz)

Ordering Information:

GW2100-AB02C Analog AV Broadcasting Switcher

- A: None_Regular Clock, D_ Dual 10bit Clock
- B: Number of Input Analog Videos 08 or 12 or 16
- C: None_ Mono Audio, S_ Stereo Audio