

## Spec description

	CG-2000	CG-1800	CG-1000
Inputs			
VIDEO INPUTS			
Connector	BNC × 2 (A/B)	BNC	-
Input level	0.5V <sub>p-p</sub> to 2.0V <sub>p-p</sub>		-
Input impedance	75 Ω (ON/OFF selectable by menu)		-
Input signal			
SD video black burst	NTSC (29.97), NTSC B/W (30), PAL (25)		-
HD video tri-level			
720p	50, 59.97, 60		-
1080p	23.976, 24, 25, 29.97, 30, 59.94, 60		-
1080i/psf	23.976, 24, 25, 29.97, 30		-
Allowable frequency deviation	±10ppm		-
WORD/EXT INPUTS			
Connector	BNC × 2 (A/B)	BNC	
Input level	0.5V <sub>p-p</sub> to 5.0V <sub>p-p</sub>		
Input impedance	75 Ω / 50 Ω (75/50/OFF selectable by menu)		
Supported frequencies			
WORD CLOCK	32k / 44.1k / 48k / 88.2k / 96k / 176.4k / 192k Hz		
ATOM	10.0MHz		
GPS	10.0MHz		
Allowable frequency deviation	±50ppm		
AES3/11 INPUT			
Connector	XLR-3-31(1: GND, 2: HOT, 3: COLD)		
Input level	0.2V <sub>p-p</sub> to 10V <sub>p-p</sub>		
Input impedance	110 Ω		
Format	AES11-2003, AES3-2003, IEC60958-4		
Supported frequencies	32k / 44.1k / 48k / 88.2k / 96k / 76.4k / 92k Hz		

Allowable frequency deviation	±50ppm	
CALIBRATION INPUT		
Connector	BNC	
Input level	0.5 to 5.0 Vp-p	
Input impedance	50 Ω (ON/OFF selectable by menu)	
Supported frequencies		
ATOM	10.0MHz	
GPS	10.0MHz, PPS	
Outputs		
VIDEO OUTPUTS		
Connector	BNC × 4 (1-4)	-
Output impedance	75 Ω	-
Output signal		
SD video black burst	NTSC (29.97), NTSC B/W (30), PAL (25)	-
HD video tri-level		
720p	50, 59.97, 60	-
1080p	23.976, 24, 25, 29.97, 30, 50, 59.94, 60	-
1080i/psf	23.976, 24, 25, 29.97, 30	-
WORD OUTPUTS		
Connector	BNC × 12 (1-12)	
Output level	1.0Vp-p to 3.5Vp-p (adjustable in 0.5V steps by menu)	
Output impedance	75 Ω	
Supported frequencies	32k / 44.1k / 48k / 88.2k / 96k / 176.4k / 192k Hz ¼ × Fs, ½ × Fs, 1 × Fs, 2 × Fs, 4 × Fs, 256 × Fs (Only OUTPUTS 11-12)	
AES3/11 OUTPUTS		
Connector	XLR-3-31 (1: GND, 2: HOT, 3: COLD) × 2 (1-2)	
Output level	2.5Vp-p	
Output impedance	110 Ω	
Format	AES11-2003, AES3-2003, IEC60958-4	
Supported frequencies	32k / 44.1k / 48k / 88.2k / 96k / 176.4k / 192k Hz	
S/PDIF OUTPUTS		
Connector	RCA Pin jacks × 2 (1-2)	

Output level	0.5V <sub>p-p</sub>		
Output impedance	75 Ω		
Format	IEC60958-3		
ALARM OUTPUT			
Connector	6-pin Euroblock connector	-	
Output level	Open collector	-	
Transmission method	Parallel	-	
Output impedance	10ohm	-	
Withstand voltage	20V	-	
Maximum current	35mA	-	
USB	A data transfer use by a USB flash drive		
Connector	USB B-type		
Protocol	USB2.0 High Speed (480Mbps)		
Power supply rating	DC5.0V, 0.2A		
Internal oscillator performance			
TYPE	OCXO		
frequency accuracy	±0.01ppm (factory default value)		
frequency stability	±0.005ppm / day		
Power	AC100 – 240V, 50/60Hz		
Power consumption	14W	11.5W	10W
Dimensions (W×H×D)	19.0" × 1.77" × 12.2" / 483 × 45 × 310 mm		
Weight	7.3 lbs. / 3.3 kg	7.1 lbs. / 3.2 kg	6.8 lbs. / 3.1 kg
Operating temperature range	32°F to 104°F / 0°C to 40°C		
Included accessories	Power cords × 2, rackmounting screw kit, operation manual (with warranty)	Power cords, rackmounting screw kit, operation manual (with warranty)	