

## Programmable 4K2K Video Signal Generator (Model: K-8890)



K-8890 can be installed 7EA individual signal module. The 7EA signal module could be operated independently. It supports 4K2K resolution through HDMI/DisplayPort/MHL module and also available for standard Analog/DVI/TV/DTV specification.

User can operate it easily by using Remote Controller and RS-232C.

DisplayPort	HDMI	MHL
		

DISPLAYPORT OUTPUT	
Compliant	DisplayPort V1.2
Pixel Rate Range	25MHz ~ 600MHz
Video Format	RGB, YCBCR 4:4:4 / 4:2:2
Color Depth	8/10/12 bits
Lane Count	1, 2, 4Lanes
Link Rate	1.62 / 2.7 / 5.4Gbps
HDCP	V1.3
Audio output	2CH
Output Port	2 Ports
HDMI OUTPUT	
Compliant	HDMI V1.4 / HDMI V2.0
Pixel Rate Range	25MHz ~ 600MHz
Video Format	RGB 4:4:4, YCbCr 4:4:4 / 4:2:2 / 4:2:0
Timing Format	CEA-861F
Color Depth	8 / 10 / 12bit
HDCP	V1.4 / V2.2
Audio output	8CH
Output Port (3G)	2 Ports / 300MHz / HDMI V1.4 spec 4K2K_60Hz (YCbCr 4:2:0 only)
Output Port (6G)	2 Ports / 600MHz / HDMI V2.0 spec 4K2K_60Hz (All Video Format)
MHL OUTPUT	
Compliant	MHL V3.0
Pixel Rate Range	25MHz ~ 300MHz
Max. Resolution	4K2K_30Hz
Color Depth	8 bit
HDCP	V1.4 / V2.2
Audio output	8CH
Output Port	4 Ports

**✦ Programmable 4K2K Video Signal Generator (Model: K-8890)**



ANALOG OUTPUT	
Pixel Rate Range	8MHz ~ 330MHz
Video Level	R, G, B (75 ohms) 0~1.0V programmable / 1 mV step
Sync on Green	0.3VFix On/Off Support
Blank Level	7.5 IRE / 0 IRE programmable
Rise / fall time	Less than 3ns (maximum)
Horizontal Timing	100~8192 pixels resolution / 1 Pixel resolution
Vertical Timing	100~8192 lines (non-interlace)
Output Port	BNC, D-Sub 15-pin
Audio Frequency Range	20Hz to 20KHz / 1Hz step
Audio Channel	2 Channel (R/L)
Audio Control Mode	Fix / Sweep / Mute / Swap
DVI(TMDS) OUTPUT	
Pixel Rate Range	Single link : 25MHz~165MHz, Dual link:25Mhz~330MHz
EDID	Read / Compare
HDCP	V1.0
Video Signal Type	RGB
Sampling Mode	4:4:4
Output Port	DVI-I
TV OUTPUT	
Output Mode	NTSC, PAL, SECAM
Closed Caption (NTSC)	C1, C2, C3, C4 / T1, T2, T3, T4
V-Chip	MPAA Rating : G, PG, PG-13, R, NC-17, X FCC Rating : TV-Y, TV-Y7, TV-G, TV-PG, TV-14, TV-MA
Teletext support (PAL)	Teletext System B Level 1, 1.5
Output Port	CVBS, Y/C, SCART
DTV OUTPUT	
Format	480p, 720p, 1080i, 1080p
Standard	SMPTE 274M, 296M
Output Port	BNC, D5
OTHERS	
AC Input	90 ~ 260 V auto range / 50 ~ 60 Hz auto range
Operation/Storage Temp.	+5~+40 deg.C / -20~+60 deg.C
DIMENSION / WEIGHT	
H X W X D / Weight	140 X 420 X 414.5(mm) / 10 Kgs