



FEATURES

- Supports HDMI 2.0 4K@60Hz
- Supports HDMI Version 1.4 (3D Video Formats, Audio Return Channel)
- 2 HDMI 4Kx2K Ports, 3-HDMI 1.4 Ports with ARC
- Displayport output up to 2560x1600 (25~268.5MHz)
- Built-In HD-SDI for Broadcast System (Up to 1920x1080P/60Hz)
- Analog, DVI, CVBS, & D-TV Output
- Analog RGB Support up to 2048x2048
- 6.4" Front Panel Monitor/Key pad
- USB, RS-232C, PC Edit Tool

SPECIFICATION

Displayport	Pixel Clock	25~270 MHz
	Display Size	2560 x 1600
	Link Rate	Max 10.8Gbps (2.7GHz-1,2,4 Lanes / 1.6GHz-1,2,4 Lanes)
	Output Format	RGB444, YCbCr444 (8,10 bit) / YCbCr422 (8,10,12 bit)
	Compliant	Displayport 1.1a Version
	Audio	SPDIF, 192 KHz, 2Channels
H/V Frequency	Horizontal	10~300KHz / 1 Dot Resolution
	Vertical	10~300Hz / 1 Line Resolution
Analog Output	Display Size	4096 x 4096
	Pixel Clock	8~300 MHz
	Video Level	R, G, B (Load 75 Ohms, 0~1.0 Programmable)
	Output Connector	15 pin D-Sub
	EDID	Read
	Separate Sync	HS, VS (3.0V~5.5Vp-p Programmable / Inherited Sync Level is 4.8Vp-p)
DVI (TMDS) Output	Pixel Clock	* Dual Link: 25~330MHz
	Transfer Type	* Single TMDS 24 bit Input Mode / * Dual TMDS 12 bit Input Mode
	EDID	Read
	HDCP	Support Single & Dual
	Compliant	DVI 1.0 Support
	Video Signal Type	RGB
	Output Connector	DVI-D (DVI 1 Ports, Single/Dual)
CVBS Output	Output Mode	* NTSC M,J (3.58MHz)
		* NTSC443 (4.4MHz)
		* PAL B,D,G,H,I (4.434MHz)
		* SECAM (For=4.406MHz / For=4.25MHz)
	Subcarrier Stability	25ppm (± 25 Hz / 1MHz)
	Video Output	Composite(BNC), S-Video
		* Signal: CVBS (Connector: BNC) * Signal: Y/C (Connector: 4Pin-Mini Din)
	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 (PAL)	Teletext System B Level 1, 1.5	
D-TV Output	Signal	Y, Pb, Pr
	Time	480i/p(59.94Hz), 576i/p(50Hz), 720p(50/59.94/60Hz), 1080i(50/59.94/60Hz), 1080p(24/25/30/50/59.94/60Hz) for ATSC and DVB Format
	Separate Sync	50~400mV Programmable

HDMI (TMDS) Video Output	Compliant	HDMI 2.0 Version
	Pixel Rate Range	25~165MHz (TMDS Clock: 25~225MHz) / 4Kx2K@60Hz (594MHz)
	Standard Spec	EIA/CEA-861E
	Video Signal Type	RGB, YCbCr
	Pixel Encoding	RGB444, YCbCr444, YCbCr422, YCbCr420
	Data bit of RGB & YCbCr	8, 10, 12 (RGB & YCbCr)
	Color Space	RGB, BT.601, BT.709, BT.2020, xvYCC-601, xvYCC-709
	HDCP	Support HDCP 1.4 Version
	EDID	Read
	Output Connector	Type A, HDMI 4 Port (ARC 2Port , 4k X 2k@60Hz 2Port)
	Note	Audio Return Channel (ARC) 2 port, CEC Support 4K x 2K @60Hz Video format, 2 ports
HDMI Audio Output	Sample Rate	32/44.1/48/88.2/96/176.4/195 KHz
	Number of Channel	8 Channels
	Bit per Sample	24
	Waveform	Sine Wave
	Frequency Range	20Hz to 24KHz / 5Hz step
	Level Range	0dB to -110dB / 0.5dB step
	External Audio Input	Optical, Coaxial
	Special Control Mode	Fix, Sweep, Swap, Optical, Mute
Audio (Analog) Output	Frequency Range	20Hz to 24KHz / 5Hz step
	Level Range	0mV rms to 900mV rms / 5mV rms
	Waveform	Sine Wave
	Number of Channel	2 Channels
	Connector	RCA
	Special Control Mode	Fix, Sweep, Swap, Mute
Scart Output	Signal Mode	RF Input Mode, CVBS mode, RGB Mode, Y/C Mode
	Connector	
Scan & Function Group	Scan Storage	99 Group (1 Group: 24 steps)
	Function Storage	99 Group (1 Group: 32 steps)
Data Storage Device	Timing	999 Timing (User:1~500, Default:501~999)
	Pattern	999 Pattern (User:1~500, Default:501~999)
General Specification	Power Consumption	AC 100~240 VAC, 50/60Hz Auto Switch
	Operating Conditions	* Temperature: 0~40°C
		* 80% Humidity, Non-condensing
Dimension(wxdxh)	440 x 350 x 145 mm / 6Kg	
Other	Max. Image	4096 x 4096 Bitmap Image Size
	User Interface	* Front Panel (6.4 inch / Graphic LCD) Keypad
		* Possible to Timing Parameter Edit
		* USB, RS-232C, PC EDIT Tool

* All specifications are subject to change without any notice.