

## 2. Specification

### 2-1 General specifications

- 1), Supply Voltage
  - AC input
    - AC100V~120V±10% 50/60Hz
    - AC200V~240V±10% 50/60Hz
  - DC input
    - DC +12V
- 2), Power consumption
  - AC operation
    - 60W (Full Option)
    - 50W (Standard)
  - DC Operation
    - 47W (Full Option)
    - 42W (Standard)
- 3), Ambient operating temperature/humidity, ambient storage temperature/humidity
  - Operation : 0°C to 40°C, 20% to 85% (non condensing)
  - Storage : -10°C to +50°C, 5% to 85% (non condensing)
  - Maximum wet-bulb temperature : 29°C
- 4), Outside dimensions (excluding protrusions)
  - 428mm(W)x305mm(H)x80mm(D)
- 5), Weight
  - Approx. 7.5Kg (Excluding the stand and option)
- 6), Standard accessories
  - 1x Operation Manual
  - 1x parallel remote connector
  - 1x AC Cable

### 2-2 Rated performance

- 1), SDI signal (Supported as standard)
  - a), Input/output terminal
    - Input : BNC 2 lines
    - Output : BNC 1 line(Active loop through for only one line selected)
  - b), Input signal format (Auto detection)
    - HD-SDI : SMPTE 292M
 

• 1035i/60, 59.94	• 1080p25
• 1080i60, 59.94	• 1080p/24, 23.98
• 1080i50	• 720p/60, 59.94
• 1080psF/30, 29.97	• 720p/50
• 1080psF25	• 720p/30, 29.97
• 1080psF24, 23.98	• 720p25
• 1080p/30, 29.97	• 720p/24, 23.98
    - SD-SDI(4:2:2) : SMPTE 259M
 

• 480i/59.94	• 575i/50
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  - c), Input level
    - Rating : 800mV<sub>p-p</sub>±10%
  - d), Transmission Speed

HD-SDI : 1.485Gb/s  
SD-SDI : 270Mb/s

- e), Quantization bit rate  
10-bit
- f), Input/output impedance  
75 Ohm
- g), Transmission distance  
Over 100m (5CFB , 1.485Gb/s)

2), Analog composite (NTSC/PAL-B) signal (Supported as standard)

- a), Input terminal  
BNC 1 line (Loop through)
- b), Input signal format  
NTSC composite signal SMPTE 170M  
PAL composite signal
- c), Input level  
VS : 1.0V<sub>p-p</sub> positive polarity  
V : 0.714V<sub>p-p</sub> (NTSC) / 0.7V<sub>p-p</sub> (PAL) Positive polarity
- d), Input impedance  
High impedance bridge connection or 75 Ohm termination

3), DVI-D signal (supported as standard)

- a), Input terminal  
DVI-D single link 24-pin (Female) 1 line
- b), Input signal format

No.	Input signal	Horizontal Freq. (KHz)	Vertical Freq. (KHz)	Clock Freq. (MHz)
1	VGA (640 x 480)	31.48	59.95	25.18
2		37.86	72.81	31.50
3		37.50	75.00	31.50
4		43.27	85.01	36.00
5	SVGA (800 x 600)	35.16	56.25	36.00
6		37.88	60.32	40.00
7		48.08	72.19	50.00
8		46.88	75.00	49.50
9		53.67	85.06	56.25
10	XGA (1024 x 768)	48.36	60.00	65.00
11		56.48	70.07	75.00
12		60.02	75.03	78.75
13		68.68	85.00	94.50
14	WXGA(1280x768)	47.986	59.833	81.00

- c), Input level  
TMDS
- d), Input impedance  
50 Ohm

4), Embedded audio (Supported as standard)

a), Input signal format

HD-SDI : SMPTE 299M

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|---------------------|-------------------|
| • 1035i/60, 59.94   | • 1080p25         |
| • 1080i60, 59.94    | • 1080p/24, 23.98 |
| • 1080i50           | • 720p/60, 59.94  |
| • 1080psF/30, 29.97 | • 720p/50         |
| • 1080psF25         | • 720p/30, 29.97  |
| • 1080psF24, 23.98  | • 720p25          |
| • 1080p/30, 29.97   | • 720p/24, 23.98  |

SD-SDI(4:2:2) : SMPTE 259M

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|--------------|-----------|
| • 480i/59.94 | • 575i/50 |
|--------------|-----------|

b), Format detection

Auto detection

c), Sampling frequency

48KHz (Synchronized with video clock)

d), Embedded audio output

The audio on each of paired channels downmix, ch1/2, ch3/4, ch5/6 and ch7/8 is output through the built-in speaker, the headphone and analog audio output.

5), Embedded audio level meter (supported as standard)

a), Display method

Superimposition on screen

b), Display channel

8ch

c), Display position

3 types

d), Display mode

6 modes

e), Display segment

26 segments (Including  $-\infty$ )

f), Segment point

$-\infty$ , -60, -54, -48, -44, -40, -38, -36, -34, -32, -30, -28, -26, -24, -22, -18, -16, -14, -12, -10, -8, -6, -4, -2, 0 dB

g), Display color

$-\infty \sim -22$ dB : Green /  $-20 \sim 0$ dB : Amber

h), Peak hold

About 1 sec

i), Release time

About 0.4 sec

6), Analog audio input (supported as standard)

a), Input terminal

- 3.5 mm dia. stereo mini-jack type
- b), Input level  
316mV (-10dBV)
- 7), Analog audio output (supported as standard)
  - a), Output terminal  
3.5 mm dia. Stereo mini-jack type
  - b), Output level  
316mV (-10dBV)
  - c) Output audio source  
Analog audio input or embedded audio signal can be outputted  
To select one of these signals, make the setting on MENU
- 8), Headphone output (supported as standard)
  - a), Output terminal  
3.5mm dia. Stereo mini-jack type
  - b), Output level  
85mW/ch (RL :32 Ohm, distortion factor : 1%)
  - c), Output audio source  
Analog audio input or embedded audio signal can be outputted  
To select one of these signals, make the setting on MENU
- 9), Speaker output (supported as standard)
  - a), Output level  
350mW or more
  - b), Output audio source  
Analog audio input or embedded audio signal can be outputted  
To select one of these signals, make the setting on MENU

### **2-3 Specification for liquid crystal display (LCD) module**

- 1), Number of pixels  
1280 (H) x 768 (V) dots
- 2), Pixel pitch  
0.28875mm (W) x 0.28875mm (H)
- 3), Screen size  
369.6mm x 221.8mm (Diagonal 43cm 17V type)
- 4), Screen brightness (Brightness performance of LCD unit)  
370 cd/m<sup>2</sup>
- 5), Drive system  
a-Si TFT active matrix, line sequential (non- interlace)
- 6), Pixel arrangement  
RGB vertical stripe
- 7), Response speed  
About 22ms typ. (Ton : 10ms +Toff : 12ms)  
\*The response speed from the 10% black to 90% white level and that from the 90% white to 10% black level are added together)

- 8), Contrast ratio  
1000:1 (typ.)
- 9), Number of display color  
16,777,216 (8-bit)
- 10), Viewing angle  
Vertical/horizontal, left/right 170° (Contrast ratio : 10:1 or more)