



O C E ^ N

TechSpecs

version 1.4



VideoModes(INPUT)

SD (NTSC/PAL)^(SMPTE259)

720 x 486i	59.94Hz
720 x 576i	50.00Hz

HD^(SMPTE296)

1280 x 720p	23.98/24/25/29.97/30/50/59.94/60
1920 x 1080p	23.98/24/25/29.97/30/47.96/48/50/59.94/60
1920 x 1080psf	23.98/24/25/29.97/30
1920 x 1080i	47.96/48/50/59.94/60

2K^(SMPTE372)

2048 x 1080p	23.98/24/25/29.97/30/47.96/48/50/59.94/60
2048 x 1080i	47.96/48/50/59.94/60
2048 x 1556psf	14.98/15/18.98/19

HSDL

2048 x 1556psf	14.98/15
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DCI

2048 x 1080p	23.98/24
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VideoSignal-Formats(INPUT)

- ▶ 10/12bit input
- ▶ 3G-SDI capable
- ▶ 2K/HD/SD 4:4:4(RGB/YCrCb)
- ▶ HD/SD 4:2:2 Video(YCrCb)
- ▶ HSDL
- ▶ RGB 4:4:4
- ▶ YCrCb 4:2:2 or 4:4:4



SyncI/O

INPUTBoard

- ▶ SDI/Composite SMPTE standard Genlock (Bi/Tri level)

OUTPUTBoard

- ▶ SDI/Composite SMPTE standard Genlock (Bi/Tri level)



VideoModes(OUTPUT)

SD (NTSC/PAL)^(SMPTE259)

720 x 486i	59.94Hz
720 x 576i	50.00Hz

HD^(SMPTE296)

1280 x 720p	23.98/24/25/29.97/30/50/59.94/60
1920 x 1035i	59.94/60
1920 x 1080p	23.98/24/25/29.97/30/47.96/48/50/59.94/60
1920 x 1080psf	23.98/24/25/29.97/30
1920 x 1080i	47.96/48/50/59.94/60

2K^(SMPTE372)

2048 x 1080p	23.98/24/25/29.97/30/47.96/48/50/59.94/60
2048 x 1080i	47.96/48/50/59.94/60

VideoSignal-Formats(OUTPUT)

- ▶ 10/12bit output
- ▶ 3G-SDI capable
- ▶ 2K/HD/SD 4:4:4(RGB/YCrCb)
- ▶ HD/SD 4:2:2 Video(YCrCb)
- ▶ RGB 4:4:4
- ▶ YCrCb 4:2:2 or 4:4:4



AudioI/O

INPUT

- ▶ 24bits 48KHz sampling
- ▶ 16 channels SDI(A/B)
- ▶ 8 channels AES/EBU

OUTPUT

- ▶ 24bits 48KHz sampling
- ▶ 16 channels SDI(A/B)



Hardware

CPU

- ▶ 3.0GHz Intel Core i7 quad-core

RAM

- ▶ 4GB DDR3

HDD System

- ▶ 500GB

CD/DVD

- ▶ 18 x CD/DVD

NETWORK

- ▶ 2 x 10/100/1000BASE-T Gigabit Ethernet

CONNECTIONS

- ▶ 8 x USB 2.0(2 x front + 6 x back)
- ▶ 2 x USB 3.0(back)
- ▶ 2 x 1394 FireWire400(1 x front + 1 x back)
- ▶ eSATA(back)
- ▶ 4 x RS232 or RS422 SerialPorts(minimum available)

PERIPHERALS

- ▶ 24" 1920 x 1200(max) Display(12bit internal processing)
- ▶ Keyboard
- ▶ Mouse
- ▶ 10m USB Extender
- ▶ 10m HDMI Display Cable



Hardware Options

STORAGE DAS(Direct Attached Storage)

- ▶ additional 7TB

STORAGE SAN(Storage Area Network)

- ▶ FiberChannel HostBusAdapter 4GB
- ▶ FiberChannel HostBusAdapter 8GB
- ▶ EVO 8TB SAN solution
- ▶ EVO 16TB SAN solution

CONTROL PANEL

- ▶ Tangent Devices **WAVE** Control Panel
- ▶ Tangent Devices **CP100** Control Panel
- ▶ Tangent Devices **CP200** Control Panel

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