**AT-2400HR Specification**

**Model No：**AT-2400HR

**Installation mode:** Desktop or Rack mount

**Accessories:** Power supply with power cable, Desktop stand

**Features:** Built in 3D LUT, Luminance waveform (HDR/SDR), Vector scope, Histogram, Peaking focus, Zebra, False color, Rapid Positioning of out of Luminance, Audio meters(16 channels), Audio Vector, Picture by Picture, Square pictures, Safety Marks, Aspect ratio, Mono-chrome switch, GPI, USB (LUT Loading), USB (Firmware upgrades),UMD, IP interface, Built in Multiple LUTS ( Slog3/Clog and User LUTS).

**HDR: HLG( ITU-R BT.2100), PQ (SMPTE ST.PQ2084), 2.4HDR, S-log3, V-log**

**4K Support**： **12G-SDI (**SQD/2SI，2x12G-SDI inputs,2 output);6**G-SDI (**SQD/2SI，2x6G-SDI inputs,2 output) **4×3G-SDI**（SQD/2SI）；**12G SFP Input** Fiber Input

**Specification:**

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| Size | 24 inch |
| Resolution | 3840×RGB×2160 |
| Dot pitch | 0.13725 (H)×0.13725 (V) mm |
| Aspect ratio | 16:9 / 4:3 switchable |
| Back Light | WHITE LED |
| Brightness(MAX) | 1000cd/m2 (Max) |
| Contrast (MAX) | 1000:1 |
| Color depth | 10Bits (1.073G color) |
| Image processing | 12Bits |
| Response time | 7ms |
| Viewing angle | L89°R89°U89°D89° |
| Color Mode | ITU-R BT.709, DCI-P3, ITU-R BT.2020, Original Color Gamut |
| HDR（High Dynamic Range） | HLG (ITU-R BT.2100), PQ (SMPTE ST.PQ2084), 2.4HDR、S-logHDR |
| EOTF | 2.2、2.4、2.6、 ITU-R BT.2100 (HLG), SMPTE ST.PQ2084(PQ) |

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| Video In | 12G-SDI/3G-SDI | BNC x 4 (2 channels x 12G/6G-SDI 4 channels x3G-SDI) |
| HDMI 2.0 | Type A x 1 |
| SFP+ | SPF+x 1 12G Fiber input(Module Optional) |
| Video Out | 12G-SDI/3G-SDI | BNC x 4 (2 channels x 12G/6G-SDI 4 channels x3G-SDI) |
| HDMI 2.0 | Type A x 1 |
| USB | Type A |  |
| Audio | Audio demultiplexing | Support |
| Audio meter | 16 Channels, Audio Vector |
| Speakers | 2 channels x8Ω/5W |
| Headphone | 3.5mm support |

**Signal format（Priority 1, 2, 3）**

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| --- | --- | --- | --- |
| Signal systems | Signal Format 2SI(2-Sample Interleave division) SQD(Square division) | | |
| 4K/UHD(12G-SDI Single Link)（1） | | | |
| 3840\*2160/50p/60p | 4:2:2 YCbCr | 10Bit | Level A/Level B-DL 2SI/SQD |
| 3840\*2160/24p/25p/30p | 4:4:4 RGB/YCbCr | 10Bit/12Bit | Level A/Level B-DL 2SI/SQD |
| 4096\*2160/48p/50/60p | 4:2:2 YCbCr | 10Bit | Level A/Level B-DL 2SI/SQD |
| 4096\*2160/24p/25p/30p | 4:4:4 RGB/YCbCr | 10Bit/12Bit | Level A/Level B-DL 2SI/SQD |
| 4096\*2160/24p/25p/30p | 4:4:4 XYZ | 12Bit | Level A/Level B-DL 2SI/SQD |
| 4K/UHD(6G-SDI Single Link)（1) | | | |
| 3840\*2160/24p/25p/30p | 4:4:4 RGB/YCbCr | 10Bit/12Bit | Level A/Level B-DL 2SI/SQD |
| 4096\*2160/24p/25p/30p | 4:4:4 RGB/YCbCr | 10Bit/12Bit | Level A/Level B-DL 2SI/SQD |
| 4K/UHD(6G-SDI Dual Link)(3) | | | |
| 3840\*2160/24p/25p/30p | 4:4:4 RGB/YCbCr | 10Bit/12Bit | Level A/Level B-DL 2SI/SQD |
| 3840\*2160/50p/60p | 4:2:2 YCbCr | 10Bit | Level A/Level B-DL 2SI/SQD |
| 4096\*2160/24p/25p/30p | 4:4:4 RGB/YCbCr | 10Bit/12Bit | Level A/Level B-DL 2SI/SQD |
| 4096\*2160/48p/50/60p | 4:2:2 YCbCr | 10Bit | Level A/Level B-DL 2SI/SQD |
| 4K/UHD(3G-SDI Quad Link)(1) | | | |
| 3840\*2160/50p/60p | 4:2:2 YCbCr | 10Bit | Level A/Level B-DL 2SI/SQD |
| 3840\*2160/24p/25p/30p | 4:4:4 RGB/YCbCr | 10Bit/12Bit | Level A/Level B-DL 2SI/SQD |
| 3840\*2160（24/25/30）psf | 4:4:4 RGB/YCbCr | 10Bit/12Bit | Level A/Level B-DL SQD |
| 4096\*2160/48p/50/60p | 4:2:2 YCbCr | 10Bit | Level A/Level B-DL 2SI/SQD |
| 4096\*2160/24p/25p/30p | 4:4:4 RGB/YCbCr | 10Bit/12Bit | Level A/Level B-DL 2SI/SQD |
| 4096\*2160（24/25/30）psf | 4:4:4 RGB/YCbCr | 10Bit/12Bit | Level A/Level B-DL SQD |
| 4096\*2160/24p/25p/30p | 4:4:4 XYZ | 12Bit | Level A/Level B-DL 2SI/SQD |
| 4096\*2160（24/25/30）psf | 4:4:4 XYZ | 12Bit | Level A/Level B-DL SQD |
| 4K/UHD(HD-SDI Quad Link)（1） | | | |
| 3840\*2160/24p/25p/30p | 4:2:2 YCbCr | 10Bit | Level A/Level B-DL SQD |
| 3840\*2160（24/25/30）psf | 4:2:2 YCbCr | 10Bit | Level A/Level B-DL SQD |
| 4096\*2160/24p/25p/30p | 4:2:2 YCbCr | 10Bit | Level A/Level B-DL SQD |
| 4096\*2160（24/25/30）psf | 4:2:2 YCbCr | 10Bit | Level A/Level B-DL SQD |
| 4K/UHD(3G-SDI Dual Link)（3） | | | |
| 3840\*2160/24p/25p/30p | 4:2:2 YCbCr | 10Bit | Level B-DS 2SI/SQD |
| 3840\*2160（24/25/30）psf | 4:2:2 YCbCr | 10Bit | Level B-DS 2SI/SQD |
| 4096\*2160/24p/25p/30p | 4:2:2 YCbCr | 10Bit | Level B-DS SQD |
| 4096\*2160（24/25/30）psf | 4:2:2 YCbCr | 10Bit | Level B-DS SQD |
| 2K/HD(3G-SDI) SMPTE 425M SMPTE296M SMPTE274M SMPTE259M（1） | | | |
| 2084\*1080/50p/60p | 4:2:2 YCbCr | 10Bit | Level A/Level B-DL |
| 2084\*1080/30p/25p/24p/24psf | 4:2:2 YCbCr | 10Bit | Level A/Level B-DL |
| 1920\*1080/50p/60p | 4:2:2 YCbCr | 10Bit | Level A/Level B-DL |
| 1920\*1080i(60/59.94/50) | 4:4:4 RGB/YCbCr | 10Bit/12Bit | Level A/Level B-DL |
| 1920\*1080p(30/29.97/25/24/24sF/23.98) | 4:4:4 RGB/YCbCr | 10Bit/12Bit | Level A/Level B-DL |
| 1280\*720p(60/59.94/50) | 4:4:4 YCbCr | 10Bit | Level A |
| 2K/HD(HD-SDI) SMPTE296M SMPTE274M SMPTE259M1 | | | |
| 1920\*1080i(60/59.94/50) | 4:2:2 YCbCr | 10Bit |  |
| 1920\*1080p(30/29.97/25/24/24sF/23.98) | 4:2:2 YCbCr | 10Bit |  |
| 1280\*720p(60/59.94/50) | 4:2:2 YCbCr | 10Bit |  |

**\*SDI Frame Rate 1/1.001 compatible**

**HDMI2.0**

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| HDMI 2.0 4K （2） | | | |
| 3840\*2160/50p/60p | 4:2:2 YCbCr  4:4:4 RGB/YCbCr  4:2:0 YCbCr | 12Bit  8Bit  8Bit | CEA-861-F |
| 3840\*2160/24p/25p/30p | 4:2:2 YCbCr  4:4:4 RGB/YCbCr | 12Bit  12Bit/10bit/8bit | CEA-861-F |
| 4096\*2160/50p/60p | 4:2:2 YCbCr  4:4:4 RGB/YCbCr  4:2:0 YCbCr | 12Bit  8Bit  8Bit | CEA-861-F |
| 4096\*2160/24p/25p/30p | 4:2:2 YCbCr  4:4:4 RGB/YCbCr | 12Bit  12Bit/10bit/8bit | CEA-861-F |
| HDMI 2.0 2K | | | |
| 1920\*1080/24/25/30/50/60p | 4:2:2 YCbCr  4:4:4 RGB/YCbCr | 12Bit  12Bit/10bit/8bit | CEA-861-D |
| 1920\*1080/50i/60i | 4:2:2 YCbCr  4:4:4 RGB/YCbCr | 12Bit  12Bit/10bit/8bit | CEA-861-D |
| 1280\*720/50p/60p | 4:2:2 YCbCr  4:4:4 RGB/YCbCr | 12Bit  12Bit/10bit/8bit | CEA-861-D |
| 720\*576/50i | 4:2:2 YCbCr  4:4:4 RGB/YCbCr | 12Bit  12Bit/10bit/8bit | CEA-861-D |
| 720\*480/60p | 4:2:2 YCbCr  4:4:4 RGB/YCbCr | 12Bit  12Bit/10bit/8bit | CEA-861-D |