

**4K × 2K Solution by Astro's high speed digital signal processing technology. Please check our products that are suitable for the applications, such as Acquisition, Contribution, Distribution and Transmission.**

*~Booth : Central.Hall C8315~*

## 4K × 2K, Product lineup & Application Map

### 4K Camera System AH-4413/AP-4414/AM-4412

- 8.9 million pixels high resolution single plate CMOS image sensor
- 4K (3840×2160)/60p real time video out
- Micro four-thirds lens mount



### 4K LCD Monitor Lineup DM-3412/DM-3410-A/DM-3432/DM-3428

- Color depth equivalent to 12bit with FRC technology
- 3G/HD-SDI and DVI input (Choose either for DM-3428)
- Multi color space of YCbCr, RGB and X'Y'Z' when 3G/HD-SDI input

### Uncompressed 4k SSD Recorder HR-7512

- 4k contents server for your system promotion
- Medical operation live shooting and recording
- 4k resolution security video system for much clearer image than ever
- Geometric data capturing for academic, commercial, military, etc.
- 4k device R&D
- Cinema and broadcasting



### 4k Codec HC-7504

- Multi format support(24p, 30p, 60p)
- Input/output support HD-SDI, Dual Link HD-SDI and 3G-SDI



### Uncompressed 2k SSD Recorder HR-7502-A

- Maximum 180 min. Recording, 1080/24P YCBCR4:2:2
- Variable Frame Rate/All Data Recording
- 4:4:4 Dual Link, 4:2:2 Single Link, 3D(4:2:2 Single Link×2), 3G-SDI



### Data transfer port HB-7503

- Supporting transmission to external archiving system(SAS or eSATA) or file servers(GbE)
- Supporting DPX, TIFF, BWF as standards
- Capable of web browser operation with user friendly GUI



## High Resolution Electronic View Finder DF-3511

**NAB DEBUT**

Astro newly designed electronic view finder, model DF-3511 was developed to meet professional customers high level demand by employing FHD LCOS (Liquid Crystal on Silicon) device. DF-3511 provides 1920×1080 resolution quite high quality image with marker, mag, mask and peaking functions.

### Features

- FHD 1920 × 1080 resolution by employing FHD LCOS device
- Very low latency, less than one frame
- Mag × 2 for focus assist
- Marker Sensor aspect to support image sensor of both DCI and HD format
- Peaking color selectable by YELLOW, RED or WHITE



## Recorder for 4K RAW from EOS C500 HR-7510

**NAB DEBUT**

4K Recorder, model HR-7510 connects to Canon new 4K camera, model C500 by 3G-SDI × 2 and captures 4K RAW from C500, 120p, 2K RGB4:4:4 and 2K YCBCR4:2:2.

4K real time debayering output by 3G-SDI × 4 and HD converted output by HD-SDI × 2 for monitoring.

Small, light weight and compact body, SAS interface for high speed data transmitting, monitoring LCD, vlip managing, etc.

### Features

- 4K RAW from EOS C500 uncompressed data capture and 4K real time debayering output
- SSD (Solid State Drive) recording media for high stability, reliability and robust mechanism
- Supports 60p/120p recording and variable frame recording
- Audio embedded and XLR input
- Time code embedded, LTC and internal



● EOS C500 is trademark of registered trademark of Canon Inc.

## 17inch 4K Waveform Monitor WM-3206

**NAB DEBUT**

Astro 4K waveform monitor, model WM-3206 receives 4K video input and display picture, waveform, vector, histogram, etc for 4K video quality control. It is suitable for following applications.

### Applications

- 4K camera alignment
- Quality check in post production work flow

### Features

- LCD WXGA (1280 × 768) resolution, video display resolution 1280 × 720
- 3G-SDI, Dual Link HD-SDI and HD-SDI
- Layout free display assignment and 32 preset available for instant call
- Picture, waveform, vector scope, histogram, X-Y colorimetry, Phase comparison, audio lissajous

