

WEISSCAM HS-2

Futureproof your Workflow ...



RAW IN
HD SDI



WEISSCAM HS-2

- 1.500 fps in 2K
- 2.000 fps in 1080p
- 4.000 fps in 720p
- 12 bit RAW uncompressed
- 10 bit YCC 4:2:2 & RGB 4:4:4
- Output: HD SDI single, dual link & Gig E
- Two Stream Camera (RAW and HD)
- Super 35mm format
- Single CMOS sensor
- 600 ASA sensitivity
- 10 F-stops dynamic range
- 16GB / 32GB onboard memory
- Interchangeable lens mount
- Stand alone camera
- 24 Volt DC



Digital Magazine DM-2

- 12 bit RAW uncompressed
- 10 bit YCC 4:2:2 & RGB 4:4:4
- Input: HD SDI single and dual link
- Output: HD SDI single and dual link, fibre channel, Firewire 400
- Docks directly onto camera
- 2 TB disc space (upgradeable)
- RAID 6 protected
- Upgradeable with solid state memory
- Onboard monitor for instant preview
- Stand alone recorder and player
- 12 - 36 Volt DC

Hand Unit HU-2

- Complete control of camera
- Cable connected or remote control
- Set format, fps, shutter, ramps
- Control of preview
- Integrated lens control system (optional)
- Ramping during recording

Viewfinder

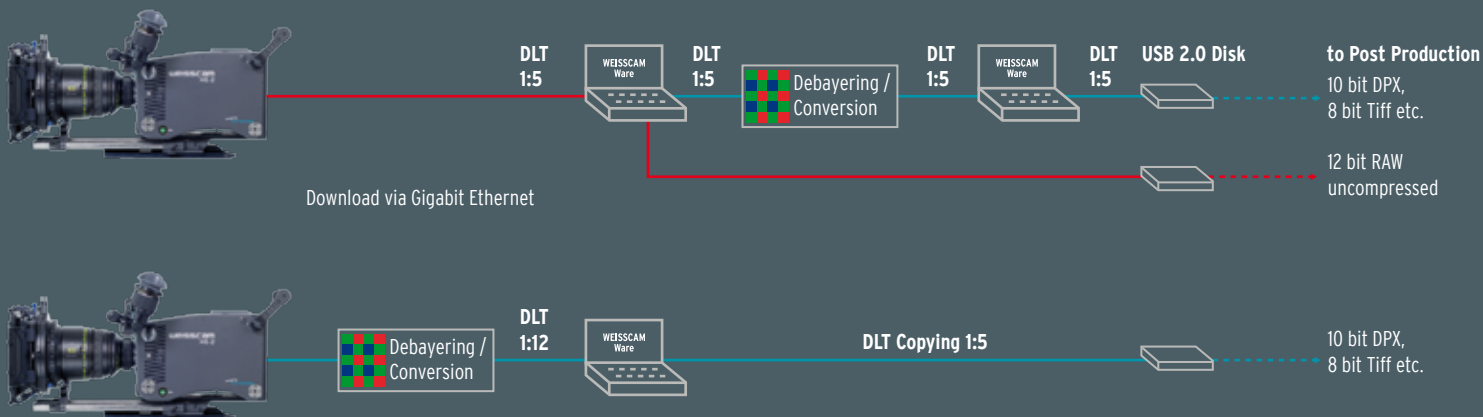
- Electronic Viewfinder
800x600 pixel (OLED)
- Optical viewfinder optional (2010)

Recording Time hh:mm

- 1280x720 60p approx. 02:31 single link
- 1920x1080 30p approx. 02:34 single link
- 1920x1080 50p approx. 00:49 dual link
- 2048x1536 25p approx. 01:00 single link



WEISSCAM IT-based Uncompressed Workflow





WEISSCAMware

- Debayering / converting WEISSCAM RAW files into 10 bit DPX, 8 bit TIFF, DNG etc.
- Using sophisticated color algorithms
- Using nVidia's shading technology for fast rendering
- Batch rendering

Debayer Box DBB

- Realtime debayering of RAW data into HD
- FPGA based hardware
- HD-SDI single and dual link



WEISSCAM RAW IN HD-SDI

- Transport uncompressed WEISSCAM RAW data via HD-SDI
- Uses free WEISSCAM mapping, also available for third party products
- Constant data rate of 2,97 Gb/s in SMPTE 372M
- Future proof: Open for RAW and YCC/RGB workflow
- Investment save: Uses existing HD hardware
- Realtime preview of native RAW data

WEISSCAM RAW IN HD-SDI Workflow

Description

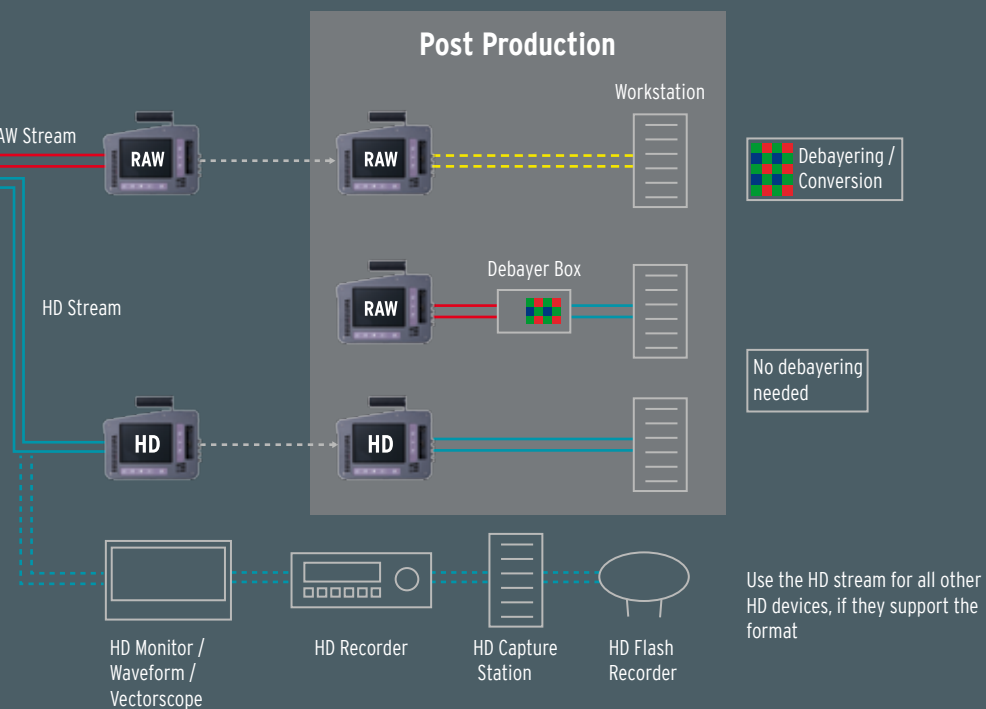
- RAW Stream (HD-SDI 2:1 / 1:1)
- HD Stream (HD-SDI 1:1)
- RAW via Fibre Channel, DLT 1:2 or RAW via Firewire 400, DLT 1:8

DLT = Downloadtime

via HD-SDI = constant data rate of 2,97 Gb/s in SMPTE 372
via IT Interfaces = approximately and up to the laptop / PC performance

720p	4:2:2 / 4:4:4	10 bit	16:9	1280 x 720
720p	RAW	12 bit	16:9	1280 x 720
1080p	4:2:2 / 4:4:4	10 bit	16:9	1920 x 1080
1080p	RAW	12 bit	16:9	1920 x 1080
2K	RAW	12 bit	4:3	2048 x 1556

2K is only RAW and has two 16 pixel bars left and right.
The HD channel has a 1:2 downconvert to preview 2K on HD monitors



Order Information

Sets

24436	WEISSCAM HS-2 „basic camera“ with 16 GB RAM buffer Content: - WEISSCAM HS-2 Camera Body with 16 GB RAM, incl. IMS-Mount, 35mm camera adapter plate (#21842), two handgrips large (#25026), Weisscam HS-2 Camera User Manual (#25801) - IMS PL-Mount (#18431) - WEISSCAM HS-2 Camera Control Software (XP based) (#24431) - WEISSCAM AC/DC Power supply unit (110-230 Volt/24 Volt, 320 Watt) (#24430) incl. power supply cable for camera body (24V, 4pin/XLR/m - 2pin Fischer/f) (#25798)
25713	WEISSCAM HS-2 „basic camera“ with 32 GB RAM buffer Content as above with 32GB RAM
24437	WEISSCAM HS-2 „stand alone“ with 16 GB RAM buffer Content as #24436 plus - Electronic Viewfinder (#23079) - WEISSCAM HS-2 HU-2 Hand unit (#24429) - Hand unit cable (#19917) - WEISSCAM DM-2 DigiMag Recording Unit (#24435) - WEISSCAM HS-2 Camera Case (#24433) - WEISSCAM DM-2 DigiMag Case (#24434)
25714	WEISSCAM HS-2 „stand alone“ with 32 GB RAM buffer Content as #24437 with 32 GB RAM

Individual Options

24435	DM-2 DigiMag Recording Unit for HD-SDI single and dual link connection and WEISSCAM RAW compatible, 24 V DC, incl. power supply for DigiMag (#25795) and DC cable, 4p/XLR/m - 4p/XLR/f (#25799), WEISSCAM DM-2 DigiMag User Manual (#25802)
23079	Electronic Viewfinder , incl. 3-axis adjustable holder, eyepiece, eyepiece cup and cable (#23079)
24427	Optical Viewfinder with PL Mount (available end of 2009)
24428	WEISSCAM DBB External Debayer Box for HS-2 and DM-2 allows the debayering of WEISSCAM RAW data
24429	WEISSCAM HS-2 Hand Unit , incl. touch screen and control software for HS-2 (#24429)
19917	WEISSCAM HS-2 Hand Unit Cable, 0,8 m
19851	WEISSCAM HS-2 Hand Unit Cable, 6 m

Cables

24430	WEISSCAM AC / DC power supply unit (110-230 Volt / 24 Volt, 320 Watt)
25798	Power supply cable 24V

Software

24431	WEISSCAM HS-2 Camera Control Software (XP based)
24432	WEISSCAM HS-2 Batch Render Software (XP based)

Case

24433	WEISSCAM HS-2 camera case fits for camera body, hand unit, electronic viewfinder, power supply and cables
24434	WEISSCAM DM-2 DigiMag case



The best way to optimise a product is to work with it yourself.

Stefan Weiss
DoP & Founder of WEISSCAM

P+S Technik is the worldwide exclusive distributor of WEISSCAM HS-2 digital highspeed system. For reservations please contact us by email to weisscam@pstechnik.de

For further information where to rent the WEISSCAM HS-2, please visit our rental list www.pstechnik.de/en/weisscam-rental-list.php