

WEISSCAM HS-1

Digital Highspeed Camera

Free your creativity with the newest, compact and mobile digital highspeed system **Weisscam HS-1**



Key Features

Compact

- ⌘ All essential parts integrated into two compact units
- ⌘ State-of-the-art design and durable materials used

Flexible

- ⌘ Variable format, frame rate and shutter speed, choose as required for the project
- ⌘ Live ramping allows you to change frame rate also during recording
- ⌘ Can be integrated in all film and video environments
- ⌘ Interchangeable lens mounts available, allowing the use of a wide range of optics

Mobile

- ⌘ Easy and fast setup
- ⌘ Immediate playback allows you to check results on set

powered by
P+S TECHNIK®

Camera The Weisscam HS-1 camera body is designed as a combination of the classic form of a 2/3" video camera and the clarity of a film camera body. P+S Technik's interchangeable mount allows the use of a maximum range of lenses designed for 35mm format - motion or still photography. You can choose any frame size to fully utilise the camera's memory. Frame rates of more than 1.000 frames per second are possible. Maximum resolution of the HS-1 model is 1280 x 1024 pixel.



Hand Unit The most important recording features can be remote controlled with this first Hand Unit for a digital highspeed camera. START/STOP recording, frame rate adjustment, frame rate ramp settings and frame rate jumps are adjustable with the Hand Unit. The ergonomic design allows comfortable one hand use when starting and stopping recording. With the well fitted hand wheel the frame rate can be changed smoothly while recording.

Control Unit The Weisscam Control Unit is a complete, portable power PC with the newest dual core processor technology. The unit comes with 500 GB internal disc space (which can be expanded), a removable S-ATA hard disk drive for easy data exchange, an integrated monitor and a water proof keyboard. The software offers extensive features for image control, color correction, frame size adjustments and shutter control.



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Technical Information

Camera

Resolution	1280 x 1024 pixel
Frame Rates	Up to 1.150 fps 720 x 576 pixel SD PAL (4:3)
Frame Rates	Up to 950 fps 1280 x 720 pixel HD 720p (16:9)
Frame Rates	Up to 650 fps 1280 x 1024 pixel with maximum resolution
Sensitivity	160 ASA
Dynamic Range	8 bit color depth, 10 bit DPX*, 10 bit monochrome
CMOS Imager	15 x 12 mm (0.591 x 0.472 inch), progressive scan
Internal Memory	4 GB RAM
Lens Mount	Interchangeable mounts: Arri PL mount and Nikon mount included (additional mounts available)
Viewfinder	PAL or NTSC (not switchable)
Hand Unit	Control START / STOP of camera, smooth live ramping and jump ramps
DC Out	12 V DC out, Hirose 4 pol
DC In	12 V DC in, XLR 4 pol
Video Out	Composite for external monitors
Data Transfer	Firewire or Fibre glass (FOL)
Power Consumption	12 V
Dimensions	381 x 237 x 162 mm / 15 x 9,3 x 6,4 inch
Weight	6 kg / 13.2 lb.

Control Unit

Operating System	Windows XP Professional
Processor	Intel Dual Core 3,0 GHz
RAM	2 GB
Disc Space	Ex works 2 x 250 GB S-ATA HDDs
Removable Hard Drive	250 GB S-ATA HDD
Display	1024 x 768 pixel, 38 cm / 15 inch diagonal, contrast ratio 400 : 1
Monitor Connectors	2 x Composite, 2 x Component
Power Consumption	90 - 230 V
Dimensions	420 x 280 x 230 mm / 16,5 x 11 x 9,1 inch
Weight	16,5 kg / 36.4 lb.

Software

Output Formats	8 bit tiff uncompressed, avi, 10 bit DPX*, create MPEG files for proxys
Image Format	Any image format from 10 x 1 pixel to 1280 x 1024
Color algorithm	Different algorithms available, smooth and crisp image rendering
Shutter	From 1/ fps to 1/100.000 fps, independent from frame rate
Image Control	Separate control of gamma and RGB curves
Live Picture	Control framing during recording on all connected monitors
Instant Playback	View your shot in realtime right after downloading from camera



Order Information

For information where to rent the Weisscam HS-1 digital highspeed system, please visit our online rental list
www.pstechnik.de/en/weisscam-rental-list.php

The digital highspeed system Weisscam HS-1 was developed by DoP Stefan Weiss and is manufactured by P+S Technik, München. P+S Technik is the worldwide exclusive distributor of the Weisscam HS-1 digital highspeed system.