

SILVER HD™ – HD Video Camera with Y/Pb/Pr and HD-SDI Output

Features

- HD analog Y/Pb/Pr video output (1080i, 720p at 59.94 Hz or 50 Hz)
- HD-SDI digital output (optional)
- SD video output (NTSC, PAL, and S-Video)
- 120x Zoom (12x optical zoom and 10x digital zoom)
- 2 Megapixel HD CMOS sensor
- Built-in lens
- RS-232 Serial interface for remote control, including VISCA
- Compact size and weight
- AutoExposure and AutoFocus features
- Picture Freeze, Spot AE function, Slow Shutter, Electronic Shutter
- Programmable presets to store up to 6 configurations

Applications

- Security
- Videoconferencing
- Medical/Scientific Imaging
- Machine Vision
- Portable Applications

Low Cost HD Video Camera with HD-SDI Output and Integrated Lens with 120X Zoom. Small size, small price, full HD resolution. This camera delivers full 1080i resolution and a built-in lens in a rugged, compact housing. Excellent for security, videoconferencing, scientific imaging, and portable applications.



Overview

High Definition (HD) is finally here in an affordable, versatile package. The Silver HD camera packs a lot of features in a small size that won't hurt your budget.

The new Silver HD color HD camera is ideal for applications where size, flexibility, and cost are a premium. This exceptional camera uses a 1/3-type HD CMOS image sensor and approximately 2 million pixels to deliver HD quality images at an unbelievable price. It can output the video signal in 1080i, 720p, NTSC, and PAL formats to suit most any application.

With a **120X zoom** capability, high dynamic range, HD-SDI digital output option, and many features like AutoFocus and AutoExposure, this camera can be used almost anywhere. All of these features are controllable through RS-232 or VISCA protocols, so the camera can be controlled remotely via computer.

Specifications

Imager Size: 1/3-type CMOS

Effective Pixels: Approximately 2 million

Lens: Focal length 5.1-51.0 mm, F/1.8 to F/2.1

Total Zoom: 120x (10x optical, 12x digital)

Aspect Ratio:

HD 16:9

SD 16:9, 4:3

S/N ratio: More than 50 db

Power: 6-12 VDC, approx. 3.8 Watts

Weight: TBD

Size (WxHxD): 2.30"x2.65"x4.10" (58.4x67.3x104.1 mm)

Sync: Internal

Minimum Illumination: 12 lux (typical) (F1.8, 50 IRE)

Electronic Shutter: 1/2 to 1/10,000 sec, 21 steps

Gain: Auto/Manual (-3 to 18 dB, 8 steps)

AE Control: Auto, Manual, Shutter Priority, Iris Priority, Bright, Spot AE

Signal System:

HD 1080/59.94i, 1080/50i, 720/59.94p, 720/50p

SD NTSC (Crop/Squeeze), PAL (Crop/Squeeze)

Video Output:

HD Analog component: Y/Pb/Pr

Digital output: HD-SDI

SD VBS: 1.0 Vp-p (sync negative) Y/C

Focus System: Full Auto (Normal AF/Interval AF/Zoom Trigger AF), One-push Trigger, Manual, Infinity, Near Limit Setting

Ordering Information

Silver HD: HD video camera with Y/Pb/Pr Output and 120x zoom

Optional Items

Digital Output: HD-SDI output with BNC connector

Tripod Mount: A standard tripod mount with a 1/4-20 threaded hole is available as an option for mechanical mounting purposes.

HD/RS232 Cable (recommended): All HD/SD video signals and camera control via RS-232 come out on the 15pin D connector on the back of the camera. A short cable that breaks out these signals to normal HD component video channels, and a standard 9pin D connector for RS-232 control is highly recommended with purchase.

Sample Pictures



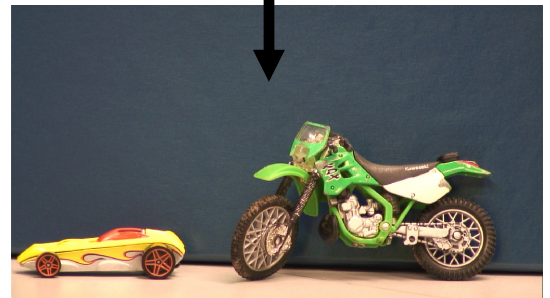
Minimum zoom, 1920x1080 pixels



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Maximum zoom, 1920x1080 pixels