



FEATURES



- High resolution 1080p (1920x1080 pixel image)
- True 16:9 widescreen format
- 5/14th (1/2.8) inch CMOS image sensor
- Minimum illumination of 0.1 lux at f/1.2
- Automatic gain function (AGC)
- Auto, manual & pushbutton white balance modes
- Flexible digital outputs — both 3G-SDI/HD-SDI and HDMI
- Simultaneous NTSC or PAL SD analog output
- Selectable 25, 30, 50 or 60Hz refresh rates (60 default)
- Progressive output (1080p)
- Image Mirror and Flip functions (both axes)
- On screen menu system for extensive camera setup
- Audio input and output capability
- Serial remote control capability (RS485)
- Auto iris connector
- Operating temperature range of -10 to +50 degrees C
- 12VDC power at approximately 425mA
- HDC840-06 system includes 100-240V universal power supply and 6 foot/2 meter HDMI to HDMI cable
- C/CS Lens Mount
- RoHS (Lead Free) compliant
- Size 2.40" x 2.64" x 4.73" (61mm x 67mm x 120mm)
- 12.35oz (350g)
- 1 year warranty

APPLICATIONS

- Chip and Circuit Board Inspection
- Broadcast Systems—POV
- Video Based Measuring Systems
- Precision Alignment Systems
- Forensics & Failure Analysis
- Microscopy & Medical Imaging
- Presentation Systems
- Machine Vision

FULL HIGH DEFINITION CAMERA The HDC840 provides a native 1920 x 1080 pixel resolution image at up to 60 frames per second (1080p60).

MULTISTANDARD HD OUTPUTS Both HD-SDI and HDMI outputs are provided to meet the needs of most systems for true high definition digital connections.

SIMULTANEOUS SD ANALOG OUTPUT In addition to the highly detailed HD outputs, the HDC840 also provides an NTSC or PAL analog standard definition (SD) video signal for legacy connections. The flexible outputs allow use in existing systems while being ready for future high definition upgrades.

TRUE WIDESCREEN IMAGE The output of the HDC840 is a true 16:9 widescreen image with square pixels which will display accurate aspect ratios.

BUILT-IN MENU SYSTEM The switches to control the HDC840 menu system are built into the unit with a sliding door for protection.

SERIAL REMOTE CONTROL The HDC840 has an RS485 remote connector for controlling the camera from a computer or other system.

CAMERA CONTROL UNIT This unit allows remote access to the camera menu system so changes can be made when access is limited to the camera. The CCU uses the HD-SDI port and provides a 2nd HDMI port.

MORE INFORMATION Additional product information, specifications, user manuals and application notes are available on the MicroImage Video Systems website, including the latest available features.

ORDERING INFORMATION

HDC840-06	HD 1080p Camera system with power supply and 6 foot HDMI-HDMI cable
HDC840-00	HD 1080p Camera only—without power supply & cable
CCU840	Camera Control Unit for the HDC840

Additional lengths and styles of video cables are available from MicroImage Video Systems



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