

PRELIMINARY



APPLICATIONS

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

HIGH DEFINITION The HDC730 provides a native 1280 x 720 pixel resolution image at 60 frames per second (720p60). The camera can also be set for 50Hz operation (720p50).

TRUE WIDESCREEN IMAGE The output of the HDC730 is a true 16:9 widescreen image with square pixels which will display accurate aspect ratios.

EASY TO USE Mount the camera to a lens or microscope, connect the unit to a suitable monitor, apply power and view the detailed high resolution image. The camera automatically adjusts as necessary to display the best image.

HANDHELD CAMERA CONTROL UNIT (optional) The handheld unit is available to control and program the camera for additional modes of operation such as manual shutter, manual gain, manual white balance and more via an on screen menu system.

ORDERING INFORMATION

HDC730-06	HD Camera system with power supply and 6 foot HDMI-HDMI cable
HDC730	HD Camera only—without power supply & cable
HCU730	Optional Handheld Camera Control Unit to control additional features of the camera

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

FEATURES

- High Resolution 720p (1280x720 pixel image)
- True 16:9 Widescreen format
- 1/3rd inch interline transfer CCD image sensor
- Minimum illumination of 5 lux at f/1.2, 50IRE
- Automatic Gain Function (AGC)
- Auto & pushbutton white balance modes
- Operates in automatic mode without the optional camera remote control unit
- Handheld camera control unit available to access additional functions
- Manual white balance, manual gain and manual shutter available with the optional camera control unit.
- Industrial grade design
- Digital Output—DVI compliant via HDMI connector.
- 50 or 60Hz operating frequency (60 default)
- Serial remote control capability
- Enhanced features available via remote software
- Operating temperature range of 0 to 45 degrees C
- Very Small Package—1.6 x 1.6 x 1.8 inches
- 12VDC power at less than 250mA
- HDC730-06 system includes 100-240V universal power supply



FLEXIBLE CONNECTIONS The HDC730 provides a DVI output via a HDMI connector. The HDC730 will work with most 720p monitors that have an HDMI connection or a DVI connection (with appropriate cable)

SERIAL REMOTE CONTROL The HDC730 has a remote connector for controlling the camera from a computer or other system.

BOARD AND CUSTOM PRODUCTS MicroImage Video Systems offers many of its products as board level for OEM applications. We can create units with user defined features and custom designed boards.

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



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