

AU-HD133DV 720P HD CAMERA

Direct-connect Monitor Viewing With High Definition Resolution In an Ultra-Compact Size



The new ACCU-SCOPE AU-HD133DV is our first HD Digital output cased camera, ideal for applications requiring direct-connect monitor viewing with High Definition resolution.

This CCD based camera outputs a true HD 720p, 16x9 image at 60fps.

It also features the capability to program 28 individual DSP profiles and has a programmable on-camera push-button for manual control.

The AU-HD133DV also boasts an ultra-compact size of 40 (W) x 40 (H) x 45.8 (D) mm.



Delivering quality through vision

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SPECIFICATIONS

Resolution	16:9 Format 720p
Image Sensor	1/3" Interline SXGA CCD (ICX445AQA)
Effective Picture Element	1296 (H) x 966 (V)
Active Picture Element	1280 (H) x 720 (V)
Chip Size (um)	6.26 (H) x 5.01 (V) mm
Cell Size (um)	3.75 (H) x 3.75 (V) μm
Minimum Illumination	5 Lux at F1.2 at 50% IRE; AGC ON and 1/60 second shutter speed with IR Cut Filter
Sync System	Internal Sync
Video Output	DVI 1.0 compliant, RGB, 1280 (H) x 720 (V), 60 Hz / 50 Hz
ALC	Can be configured via the UART communication; w/Optical Iris, Auto Electronic Shutter and AGC
Shutter Speed	Shutter speed adjustable via the UART Communication; Up to 1/100,000 seconds at 60Hz or up to 1/83,947 seconds at 50Hz
Gain	AGC or Fixed gain, selectable via the UART communication; Gain range: 0 to 18.3 dB
Digital Gain	Up to 5.9866 dB
Gamma	1.0, 0.9, 0.8, 0.7, 0.6, 0.5, 0.45, 0.3 or manual gamma; Gamma selectable via the UART communication
WhiteBalance	Auto / Manual / Push-to-set White Balance selectable via the UART communication
Mirror Image	Normal Image and Horizontal Flip are selectable via UART communication
DSP Preset	28 DSP Presets: Picture, Bright and Pseudo Color (includes 30 pseudo colors); Picture mode selectable via the UART communication
Line Generator	Both horizontal and vertical available with all colors; Thickness adjustable via the UART communication
Shadow Mask Generator	Horizontal and vertical with shading level adjustment via the UART communication
Communication	UART communication via 3.5φ stereo jack
Character Generator	Built-in character generating function via the UART communication
Pixel Blemish Collection	Up to 64 pixel blemish static collection
Optical Filter	Includes IR Cut Filter
Button	One push button; Initial press button function: push-to-set white balance; Initial hold button function: Auto white balance; (Function is selectable via the UART communication)
Interface Connector	
- Video Output	HDMI connector
- Power Input	12V power jack
- External Control	-
- Communication	3.5φ stereo jack
Power	Input Voltage: 9Vdc to 15Vdc (Typically: 12Vdc) Consumption: < 3.0 W
Temperature	Operational: 0°C ~ 45°C Storage: 30°C ~ 45°C
Dimensions	40 (W) x 40 (H) x 45.8 (D) mm
Weight	Approximately 120g

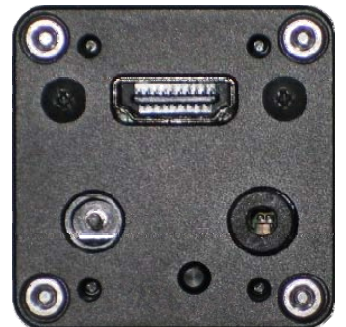
Design, features and specifications are subject to change without notice.



Front View



Side View



Rear View

ISO 9001

Certification

Design and production adheres to ISO9001 international quality standard.



ISO 14001

Certification

Design and production meets the requirements of international standard ISO 14001 for environmental management.



73 Mall Drive • Commack, NY 11725
631-864-1000 (P) • 631-543-8900 (F)
email: info@accu-scope.com • www.accu-scope.com