iVu S5

iVu S5 Digital Imaging Module

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ideas for vision

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Specifications

Technical Data	Specifications
Sensor:	1/2.5" 5.0 Megapixel Color CMOS; Active area: 5.70mm x 4.28mm
Sensor resolution:	2592 x 1944 pixels
Pixel Size:	2.2µm x 2.2µm
Digitization:	12 Bit RGB
Pixel clock:	48 MHz
Dynamic range:	68 dB (measured at 10 ms exposure)
Max. exposure:	3s
Min exposure:	1s
Live Image:	30 fps (1280 x 720) for Digital and 30 fps (720P) for Analog
Scan Mode:	Progessive
Image resolution:	
Standard:	(2592 x 1944)px (1280x 720)px (640 x 480)px
Interface:	USB 2.0 and Composite Analog Out
Optical connection:	C-mount
Voltage Supply:	5V/2Amp through USB 2.0 or Exertnal Supply
Power consumption:	approx. 1.8W
Ambient conditions:	Temperature: -30°C...+70°C; Humidity: up to 80%, not condensing
Indicator:	Green LED indicating power on and ready for capture
Integrated slot:	SD card slot for SD and SDHC Cards
Recording:	Button for image capture and video capture
Refresh:	Reset toggle refreshes white balance and restores camera to factory preset
Analog Interface:	NTSC/PAL toggle switch on board
External Power:	Optional power adapter available for when USB power not available
System requirements:	Microsoft XP/Vista/7 OS, 3 Ghz CPU, 2GB RAM (if 1GB, recommend 64MB graphics card), USB 2.0
Software	PixelPro™ Image Analysis Software for capturing still images and videos. Software provides an easy to navigate user interface designed for routine analysis. Control features include Auto White Balance and Auto Exposure adjustments, Picture quality adjustments, Annotations, Measurement functions & Calibration, Region of Interest selection, Archival of images in an easy to use gallery, and a variety of resolutions to view images at. Software is compatible with Windows XP/Vista/7 Operating Systems

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