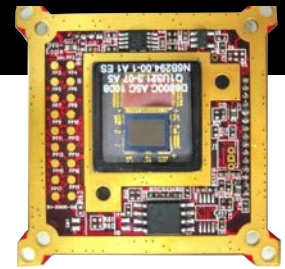


Eagle Camera Module

Standard Definition D1 Board Camera Module
Ultra High Resolution, True Day/Night, WDR



The Eagle Camera Module uses the Pixim Digital Pixel System®. Offering industry leading Resolution, Low Light and WDR performance combined with 3D DNR producing high quality video even in the most challenging lighting conditions. The Eagle Module can be used for integration into Analogue and Network Camera's including Box, Dome, Bullet and ATM.

Features:

- 1/3" Pixim 8800C Progressive Image Sensor
- Global Electronic Shutter
- Ultra High Resolution D1 690 HTVL-E*
- Min. Illumination .1 Lux @ 50 IRE F1.2 Color
- 120db Max. of Wide Dynamic Range (WDR)
- Dual Analogue and Digital Video Output
- Day/Night Function w/Optional IR Cut Motor
- Digital Slow Shutter up to 32x
- Motion Adaptive 3D Noise Reduction (DNR)
- 12VDC or optional 5VDC models
- Internal/LineLock
- Up the Coax (UTC) OSD Support
- Serial Remote Control
- 38mm x 38mm or 42mm x 42mm Single Stack
- Privacy Zones
- Motion Detection
- Digital Pan/Tilt/Zoom
- ATW and PTWB Function
- Focus Assist
- Backlight Compensation (BLC)
- Optional GPIO or UTC OSD Controllers
- Over 100 variations including M12/M14 Lens and Lens Holders
- Custom Presets and OSD Menu available

Specifications:

Imaging	Horizontal Resolution	690 HTVL Equivalent	
	Vertical Resolution	460 VTVL	
	Dynamic Range	120dB max (102dB typical)	
	Sensitivity	0.1 lux min illumination (f/1.2, 50 IRE, 30 fps, 2850K, Color)	
	Digital Slow Shutter	2x / 4x / 8x / 16x / 32x	
	Noise Reduction	3D Motion Adaptive Noise Reduction (3DNR)	
	SNR	>50 dB max	
	AGC	Programmable up to 50dB	
	Auto Iris	DC, Video (on-chip PWM DAC) / Manual	
	Back Light Compensation	BLC On / Off	
	Day/Night	True Day/Night, Soft Day/Night (B/W)	
	White Balance	ATW, PTWB	
	WB Range	2000 – 11,000K	
	Metering Zones	4, User Definable	
	Video	Video Standards	NTSC / PAL (software selectable)
		Aspect Ratio	4:3 / 16:9 scaled
		Analog Outputs	CVBS x 1 (75 ohm), Optional Differential Composite (UTP)
Display Support		CRT, LCD 1, LCD 2	
Digital Video Outputs		8/10-bit ITU656 x 1	
Synchronization		Internal or Line Lock	
Flicker Reduction		On / Off	
Image Flip		Horizontal and Vertical	
Image Freeze		Yes	
Digital PTZ		Pan, Tilt, Zoom (1x – 8x)	
Interfaces		Remote Control	UART (Multidrop/serial) / UTC
	Identifiers	Camera ID / Camera Number	
	Local Control	GPIO (Button/Joystick/DIP)	
	Visual	On-Screen Display	
	Fonts	Multi-language including Asian characters and Unicode fonts	
	Privacy Zones	16 programmable zones	
	Activity Zones	4 programmable zones	
	Alarm Types	OSD, serial port, GPIO, auto-zoom	
	Sensor	Type	Digital Pixel System®
Capture		Global Electronic Shutter	
Electronic Shutter Speed		1/25 - 1/30,720 second (f/1.2)	
Optical Format		1/3" (6.3mm image diagonal)	
Total Pixels		768 x 548	
Effective Pixels		758 x 540	
Pixel Size		7 um x 7 um	
Color Filter Array		CMY + OLPF and IR Cut Filter	
Power Supply	Voltage	12VDC +/- 10% (5VDC Option)	
	Power	1.5W Max.	
Environmental	Temperature	-10 to 50 degrees C (Operating)	

Dimensions

