

PYTHON- 384/320

AP51U00

Python-320/160 is a very low power and compact LWIR camera from Anlinear. A state-of-the-art camera product that makes your IR imaging set a new bench mark for its clarity and resolution.



Salient Features

- 50 Hz Max Framerate
- 320 x 240 / 384x288 Array Format
- 8 to 14 μm spectral band
- 9V Single Power Supply
- Low Power < 1W
- USB 2.0 CII
- Analog (PAL) output
- On-Board NUC Calibration

Applications

- Fire Fighting
- Electrical Inspection
- Medical Imaging
- Non-Destructive Testing
- Industrial Preventive Maintenance
- Military Surveillance
- Homeland Security



SPECIFICATION

Array Spec	
Array Type	Uncooled Micro-bolometer a-Si
Spectral Band	8 - 14 μ m
Array Size	320x240 384x288
Pixel Pitch	17 μ m x 17 μ m
Array Cooling	Uncooled
Pixel Operability	99%
Electrical Specifications	
Optical Fill Factor	100%
NETD	\leq 60mk @ 25 $^{\circ}$ C with f/1.0
Required Voltage	5V
Power Required	$<$ 1W
Max Framerate	50Hz
Image Correction	NUC (1-point, 2 point), BPR
Lens Specification	
Lens Options	6.8mm, 7.5mm, 19mm, 25mm
In/Out Interface	
Digital Video Output	USB 3.0 / Cameralink
Analog Output	PAL
Host/User Interface	USB/ UART
Environmental & Physical Specifications	
Operating Temperature	-40 $^{\circ}$ to +60 $^{\circ}$
Storage Temperature	-40 $^{\circ}$ to +85 $^{\circ}$
Weight	$<$ 50 grams without lens
Dimensions (LxHxW) in mm	46x34x36

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