



Micro-F compact thermal imaging camera module
 Long Range monitoring and alarm generating thermal module
 High resolution (1.280 x 1.024 pixels)
 Specifically designed for area surveillance and
 fire detection applications

Model	Micro F-384	Micro F-640	Micro F-1280
Detector Type	Uncooled VOx IR detector		
Resolution	384 x 288 pixels	640 x 512 pixels	1.280 x 1.024 pixels
Pixel Size	12µm		
Detector Frame Rate	50Hz	50 Hz	30Hz
Spectral Band	8~14µm		
NETD with F#1.0 Lens	≤50mK @ 25°C		
TEC	None (uncooled)		
Brightness/Contrast Adjustment	Manual - Auto 0 - Auto 1		
Polarity	Black-hot / White-hot		
Multiple Color Palettes	18 different color palettes supported		
Reticle	Display - Blank - Move		
Image Processing	Non-uniformity correction (NUC)		
	Digital filtering noise reduction		
	Digital detail enhancement (DDE)		
Mirroring	Horizontal - Vertical - Diagonal		
Digital Zoom	1,0X - 8,0X continuous zoom (step size 0,1)		1,0 - 4,0 continuous zoom (step size 0,1)
Full Frame Temperature Measurement	Display of Highest and Lowest Temperature and Center Spot Temperature		
Regional Temperature Measurement	5 Image Regions selectable		
High Temperature Warning	Available		
Fire Alarm	Available		
Alarm Box Marking	Supports up to 5 regions		Supports 1 region
Alarm Response Time	≤0,2 seconds		
Alarm Command Output	Available		
Optics	Single FoV - Dual FoV - Continuous Zoom		
Power Supply Range	5-24V DC		
	12V DC Typical Service Voltage		
Power Protection	Overvoltage, undervoltage, and reverse connection protection		
Power Consumption@25°C	<1,8W	<2,0W	<2,8W
Video Output	Analog Video	1-channel PAL or NTSC system	Not supported
	Digital Video	LVCMS - BT.656 - BT.1120 - LVDS	LVCMS - BT.1120 - LVDS
Synchronous Video Input	Supported		
Synchronous Video Output	Supported		
Serial Communication Interface	RS-232		
	RS-485		
	Standard PELCO D Protocols		
Weight (without lens)	80 grams		168 grams
Dimensions (without lens)	44,5 x 43mm		55 x 55mm
Operating Temperature	-40°C~+60°C		
Storage Temperature	-45°C~+85°C		
Humidity	5 - 95%, non-condensing		
RoHS2.0	Compliant		



L-A-P Specialty Products
 Sibculobrink 24
 7544 AB Enschede
 The Netherlands

Telephone +316 215 43886
 Website www.L-A-P.nl
 Email info@L-A-P.nl