

HD Rail Pantograph Thermal Imaging Camera

Key Features

- 640 x 480 High Resolution
- 17µm Pixel Size
- 2 x and 4 x Digital Zoom
- Analogue Video Output
- 50Hz (PAL) Full frequency video output
- Intelligent Image Enhancement
- DNR (Digital Noise Reduction)
- Histogram Statistical AGC



Thermal Core Camera Module 640 (module option for DOO and Pantograph Camera)

Vidiwave's Thermal Core 640 module is the ideal choice for any thermal imaging application demanding higher image definition. It uses the latest 640 x 480 17µm FPA uncooled detector technology core.

This combination of technologies produces an image that is superior, sharper and clearer both day and night, especially in harsh weather such as heavy rain, snow or fog.

Specifications

Camera	Resolution	640 x 480 pixels
	Pixel Pitch	17 µm
	Spectral Range	8~14um
	NETD	≤ 50 mk
	Lens	athermalized 8.8 mm
Image Processing	Digital Zoom	x2 and x4
	Noise Processing	Noise removal coefficient adjust
	AGC Algorithm	Platform and Linear AGC
	AGC Adjustment	Manual / Semi-auto / Auto
	Image Enhancement	Multi-level enhancement Algorithm
Image Presentation	Analogue Video Output	PAL (50Hz) 720 x 576 (Full D1)
Image Presentation	RS232	Initial set-up only
Power Supply	12 VDC	120 mA
Environmental	Operating Temp Range	- 40°C ~ + 200°C
	Shock	EN-50155, EN-61373
	Vibration	EN-50155, EN-61373
	Housing Construction	Fire-proof temp retardant nylon
	Housing Window	Germanium Glass