



APM CO., LTD.

AVP640G1-12M

Thermo Image Camera AVP Series High Performance



Model	AVP640G1-12M
Infrared Detector Pixels	640(H) x 480(V) pixels
Field of View	H: 48.8° V: 37.6°
Infrared Detector	Uncooled Focal Plane Array (Micro Bolometer)
Infrared Spectral Range	8 ~ 14 μ m
Resolution (NETD)	$\leq 0.04^{\circ}\text{C}$ (By 30°C black body, Sigma)
Accuracy	$\pm 2^{\circ}\text{C}$ or $\pm 2\%$
Measuring Range	-15 ~ 120°C More High Temperature Range (Option)
Thermo Digital Data Resolution	14bits
Frame Rate	30 Frame/sec
Focus	Remote control focus
Motorize Lens	12mm / F1.0
Spatial Resolution (IFOV)	1.42mrad
Working Distance	10cm ~ ∞
High Speed Digital Interface	Giga-bit Ethernet (100/1000BASE-T)
Power Supply	DC11V Battery (AC adapter option)
Power Consumption	5W
Operation Temperature	-10 ~ 60°C
Storage Temperature	-20 ~ 70°C
Dimensions (W x D x H)	Approx. 165mm X 75mm X 72mm (with 12mm motorize lens)
Weight	Approx. 475g (with 12mm motorize lens)



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Data Processor	2GB DDR3L / Build in 32GB Internal Image memory / HDMI(max. 1920×1080) / Mirco SD(up to 128GB) / Weight 210g / DC 5V
Software	TAS / Infrared Thermal Image Analysis System (Enterprise Edition)
Standard Configuration	<ol style="list-style-type: none">1. Infrared Thermal Main Unit2. Data Processor3. Four Function Electronic Switch Remote Control (Standard PWM interface 2CH)4. Specific Battery + Case (Include Cable)5. Specific Battery Charger6. Micro SD (64GB)7. HDMI Cable8. w/ Chinese User Manual9. Hard Suitcase10. Warranty : 1 Year
Software (Option)	<ol style="list-style-type: none">1. IRM / Infrared Thermal Image Temperature Monitoring System (Professional Edition)2. PIB(T) Thermal image database management system3. Lib (SDK)