

**Industrial  
Equipment  
Manufacturing**

# Machine Vision Traceability Solution in Pharmaceutical Industry

Track-and-Trace for Entire Product Lifecycle

Edge  
Solution Ready  
Package

## ESRP-VAI-PPC6151



- All-in-one, Sensor to Software Total Solution
- Flexible Licensing Options, Reduces Total Cost Of Ownership
- Configurable Panel PC Chassis for Selectable Mini-ITX Motherboards



**ADVANTECH**

*Enabling an Intelligent Planet*

**VisionNavi**

POWERED BY  
**ADVANTECH**  
**WISE-PaaS**

# Edge Solution-Ready Package

## ESRP-VAI-PPC6151



### All-in-one, Sensor to Software Total Solution

Integrated with industrial sensors, a processor, HMI and application software to accelerate time to market.



### Flexible Licensing Options, Reduces Total Cost Of Ownership

Licensing options including identification, alignment and inspection to meet various needs for different applications.



### Configurable Panel PC Chassis for Selectable Mini-itx Motherboards

Supports certified mini-ITX motherboards (up to 65W TDP processor). The diverse range of Mini-ITX motherboards fulfills user requirements for varied applications and price concerns.

Hardware Features		
Part No.	ESRP-VAI-PPC6151-P3	ESRP-VAI-PPC6151-P7
Processor	Intel® Core™ i3-7101, 3.9GHz Dual Core	Intel® Core™ i7-7700, 3.6GHz Quad Core
Memory/Storage	8GB DDR/ 1TB HDD	
Form Factor	Active cooling with touch panel	
Dimensions (WxHxD)	392 x 313 x 104mm	
Panel	15" TFT LED touch screen, resolution up to 1280 x 1024	
Peripheral I/O	2 x RJ45, 10/100/1000 Mbps 4 x USB 3.0	
Camera Interface	2 x GigE Vision	4 x GigE Vision
Power Consumption	250 W; 100-240VAC	
Environment	Operating Temperature: 0 - 50°C Vibration: 1Grms; Shock:10G	
Certification	CE, FCC, UL, CCC, BSMI	

Software Features	
Compatibility	GigE Vision; USB Vision
No. of cameras	Up to 4 cameras
Type	Camera, image file input
Mode	Software, hardware trigger
Resolution	Up to 5.0 mega pixel
Color Format	Mono, bayer pattern
ROI	Rectangle, polygon, ellipse, circle, ring, pie
Identification	1D bar code, data matrix code, QR code, O.C.R
Alignment	
Gauge	Line, circle, angle, arc, pitch
Inspection	Spatial domain, frequency domain preprocessing
Sequence	Switch case, Loop, if else
Operator	AND, OR, NOT, XOR, addition, subtraction, multiplication, division
Data format	String, numeric
Protocol	TCP/IP, PLC
History	CSV file, image file, statistical analysis
Digital I/O	Trigger input, digital output, lighting control

### Ordering Information

ESRP-VAI-PPC6151-P3	2-CH Industrial panel PC with VisionNAVI. 7th Gen. Intel® Core™ i3 Processor.
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ESRP-VAI-PPC6151-P7	4-CH Industrial panel PC with VisionNAVI. 7th Gen. Intel® Core™ i7 Processor.
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