Industrial Machine Vision

An Integrated Hardware/Software Vision System

/ Complete Vision Solution

/ Camera, Lighting, I/O and PLC Interface

/ Designed for Manufacturing

ATS™

AUTOMATION

ATS Cortex Plus™ Vision System

An Integrated Hardware/Software Vision System

The Cortex Plus system is an all-in-one vision device running ATS SmartVision™ software. The system is designed to reduce your integration time by providing an integrated vision solution that comes complete with standardized hardware and software. The system can communicate with a Programmable Logic Controller (PLC) through a wide variety of field bus interfaces.

The Cortex Plus system is equipped with connectors for discrete I/O connectors that are used to trigger the attached cameras and lights. The I/O Ports are programmable and can be used to trigger any combination of camera devices.

The USB connectors are standard USB 2.0 plug and play connectors. These are used for the integrated backup device and other peripherals such as a keyboard and mouse.

ATS Cortex Plus vision system is currently available in two models

Feature	Cortex 812 Plus	Cortex 204 Plus
Physical Dimensions	11"x11"x8.5"	
Power Requirements	100-240VAC, 8A Max, 50/60 Hz	
Camera Connections	x8	x2
Light Connections	x12	x4
Camera Power	Power Over Ethernet (PoE)	
Light Power	+5VDC, +12VDC, +24VDC	
Video	DVI-I and Multi Monitor Support	
Auxiliary AC Power	x2	x1
USB Ports	x3	
Hardware Triggers	x4 Sourcing, x4 Sinking	x4 Sourcing
External USB Backup	Included	
Ambient Temperature Rating	0 to +50C	
Processor	Intel Quad Core i7 2.3 GHz with Hyperthreading	
LAN Uplinks	x2	
Digital I/O	Trigger Connections Configurable	
Protection Class	IP20	
Connector Locations	All On Front	
Mounting	Side, Back or Table Top	
Memory	4GB	
Storage	16GB Solid State	
Weight	11.8 kg (26 lbs)	10.7kg (24 lbs)

Contact ATS directly for custom or product-specific applications beyond the scope of this document.

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