

Vision1040™ Color OPLC™

... An advanced PLC with an integrated color Touchscreen,
plus Snap-in and Expansion I/Os ...



Color Vision1040™ Series Featuring:

PLC

- I/O options include high-speed, temperature & weight measurement
- Auto-tune PID, up to 24 independent loops
- Recipe programs and datalogging via Data Tables
- Micro SD card - log, backup, clone, & more
- Time-based control in 3 clicks

Communication

- Ethernet via TCP/IP
- Web server: Use built-in HTML pages, or design complex pages to view and edit PLC data via the Internet
- SMS messaging & Send e-mail function
- GPRS/GSM/CDMA enabled
- Remote Access utilities
- MODBUS protocol support

HMI

- Up to 1024 user-designed screens
- 500 images per application
- HMI graphs - color-code Trends
- Built-in alarm screens
- Text String Library—easy localization
- Troubleshoot via the HMI panel—no PC needed
- CANbus: CANopen, UniCAN, SAE J1939 & more
- Ports: supplied with 2 isolated RS232/RS485 & 1 CANbus; 1 USB programming port; 1 port may be added for serial/Ethernet
- DF1 Slave



Get the big picture - Vision1040™ PLC & 10.4" touchscreen HMI

New!*

Article Number	V1040-T20B*
I/O Options	
Snap-in I/O Modules	Plug these modules directly into the back of the Vision unit to create a self-contained PLC with up to 62 I/Os. Inputs may include Digital, Analog and Temperature Measurement. Outputs may include Transistor, Relay or Analog (sold separately).
I/O Expansion	Local or Remote I/Os may be added via expansion port or via CANbus
Program	
Application Memory	Application Logic: 2MB • Images: 32MB • Fonts: 1MB
Scan Time	9.2sec per 1K of typical application
Memory Operands	8192 coils, 4096 registers, 512 long integers (32 bit), 256 double words (32 bit unsigned), 64 floats, 384 timers (32 bit), 32 counters Additional non-retainable operands: 1024 X-bits, 512 X-integers, 256 X-long integers, 64 X-double words
Data Tables	120K dynamic RAM data (recipe parameters, datalogs, etc.), up to 256K Flash data
SD Card (Micro)	Store datalogs, Alarm History, Data Tables, Trend data, export to Excel • Back up Ladder, HMI & OS, clone PLCs
USB	1 USB programming port (Mini-B)
Enhanced Features	Trends: graph any value and display on HMI • Built-in Alarm management system • String Library: instantly switch HMI language
Operator Panel	
Type	TFT LCD
Display Backlight Illumination	white LED
Colors	65,536 colors, 16-bit resolution • Brightness- Adjustable via touchscreen or software
Display Resolution & Size	800 x 600 pixels (SVGA), 10.4"
Touchscreen	Resistive, Analog
Keyboard	
Number of keys	9 programmable function keys
General	
Power Supply	12/24VDC
Battery	7 years typical at 77°F, battery back-up for all memory sections and RTC
Environment	NEMA4X/IP65 (when panel mounted)
Clock	Real-time clock functions (date and time)

* Not yet UL certified