CANTY

PROCESS TECHNOLOGY

VECTOR SYSTEM

THE CANTY ADVANTAGE

The Vector System uses the live video data from a Canty Vision System to measure and control your process parameters. The Vector System converts the video from a Canty camera system into a matrix of pixels at 30 frames/sec. (with a single input) to a resolution of over 256 shades of gray (B&W systems) or over 16 million colors (color systems). Each input is analyzed by the specified software to perform the desired process control functions. Any software package can be selected with any camera (except particle size distribution - contact factory).

OUTPUT OPTIONS

The Vector System has various outputs available, including numerous user interface menus and network connectivity to standard 4-20 mA current loop devices. Particle sizing software packages also feature distribution graphs and histogram outputs. All Vector models are fully compatible with all of the standard Microsoft communications protocols. Canty Offers Custom output packages if needed.

PARTICLE SIZING

All particle sizing packages are provided with a Spreadsheet application. Measured particle data is written into a standard spreadsheet format, where it is available to the user for analysis. Canty provides many standard output tables and graphs. Custom tables and graphs can easily be created using the application or data can be converted to other supported file formats.

SOFTWARE OPTIONS

- Level / Volume Control
- Foam Detection
- In-line Particle Sizing -1D, 2D analysis
- Lab Particle Sizing
- Conveyor-Flow, Belt Breaking Applications
- Alignment, Cleanliness Applications
- Color Analysis
- Baking Control
- Size and Shape Analysis
- Glass Glob / Float Glass Analysis
- Percent Solids, Opacity, Turbidity
- Black Speck Detection
- Custom Applications - Consult Factory

FEATURES

- Microsoft Windows based operating system
- Options for Multiple Video Inputs on the 19“ Vector system.
- Ethernet connectivity to 4-20 mA devices
- Internal modem for technical support and remote user interfacing
- Multiple software process control packages
- Network Card
- Images may be recorded and saved to the hard disk for future measurements or for archival purposes.
- Industrial microprocessor
- Filtered multi-fan cooling system

SPECIFICATIONS

User Interface:	MS Windows based OS
Voltage:	120 Volt AC, 60 Hz (U.S.) 230 V AC, 50 Hz (Europe)
Video Input:	Available models include: EIA (B&W - U.S. format) NTSC (Color - U.S. format) CCIR (B&W - European format) PAL - (Color - European format)
Approvals:	CE marking for Europe (CCIR,PAL systems)
Power Req:	400 VA typical
Mounting:	Compact Transmitter Chassis
Modem :	Internal (standard)
Imaging:	On board imaging processor
Network Int.:	Ethernet

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Ordering Information

HOW TO ORDER: Select the appropriate symbols and build a model number as shown:

EXAMPLE: **VCB3500-LIC**

VISION SYSTEM FORMAT
C – U.S. Format
P – European Format

VIDEO INPUT
C - Color
B - Black & White

OPERATING SYSTEM
3 - Windows

MOUNTING CONFIGURATION
4 - Vector 19” Rack Mount Chasis
5 - Vector Desk Mount Chasis

SOFTWARE PACKAGE
LIC - Level/Edge & Intensity
PS - Particle Size & Speck Detection
EPS - Bead Size

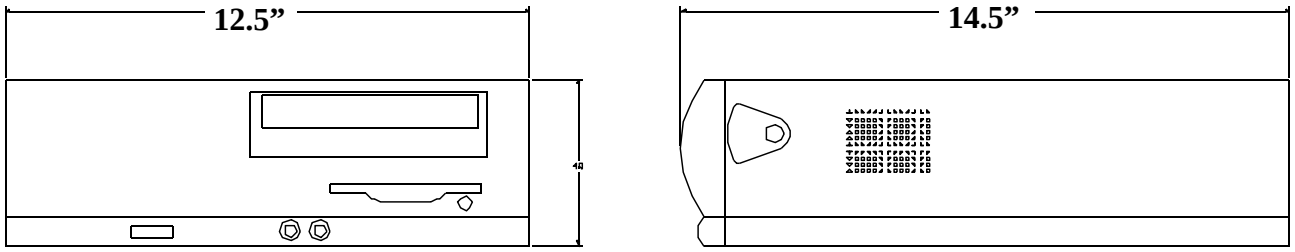
mA OUTPUT OPTIONS
0 - No 4-20mA Outputs
1 - 8 Channel 4-20mA Outputs*
2 - 16 Channel 4-20mA Outputs*

MULTIPLEXER OPTIONS
0 - None (One camera input)
1 - Multiplexer (Up to 4 Video Inputs)*
2 - Multiplexer (Up to 8 Video Inputs)*
3 - Multiplexer (Up to 12 Video Inputs)*

* This option is for the Vector 19” Rack Mount Chasis only

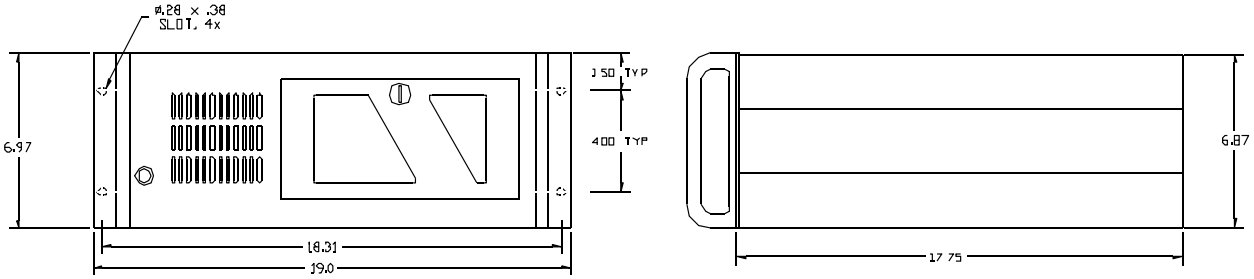
** User supplies SVGA monitor and keyboard for all systems

TRANSMITTER CHASIS



The transmitter Vector Desk package is the most compact (weighing in at approximately 15lbs) and the most economical unit available. While the Vector is the most economical rack mount available. Both transmitter packages require the following equipment that must be supplied by the user for stand alone operation except for the Mounting Cabinet which is only for the 19” rack mount Vector.

- SVGA monitor
- Standard keyboard
- A mouse is included with each transmitter Vector Desk system
- Mounting cabinet (19" rack enclosure is recommended)



www.JMCanty.com

| U.S. | Euro | GBP | International |

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