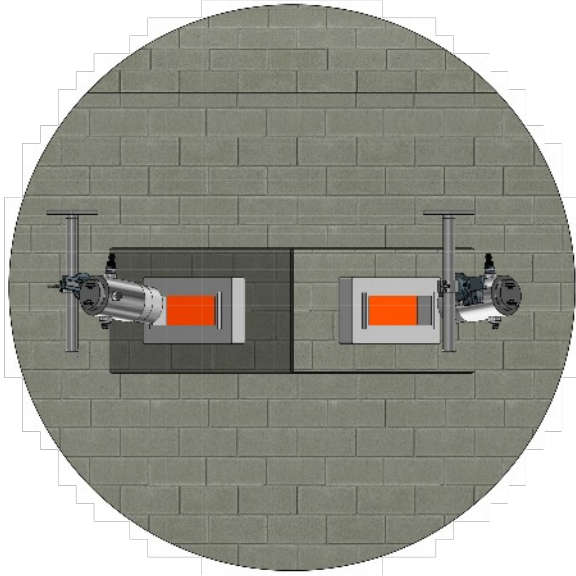


CANTY

PROCESS TECHNOLOGY

HIGHTEMP™ PROCESS CAMERA - FLOAT GLASS POOL MONITORING IN TIN BATH/ONION SKIN



THE CANTY ADVANTAGE

The Cauty Pool Monitoring (Onion Skin) camera system consists of two cameras which perform a non-contact continuous measurement of the position and shape at the initial draw in front of the tin bath. This measurement allows for a more uniform pull which results in less waste and higher efficiency for the glass. Cauty cameras view through the existing ports so no major modification is required for integration of the cameras.

Cameras are connected through the software interface which is factory installed on the Cauty Vector System to display the image and analysis outputs. In addition to the measurement, the camera system provides a visual verification of the glass for operators to view or to be displayed over a local network. Control outputs available include OPC, Modbus and 4-20mA

FEATURES

- Camera allows for the automated control of the position and shape
- Result is less waste and higher efficiency for the glass
- Can view through existing ports/no major modification to integrate

ELECTRICAL SPECIFICATIONS

Format:	TCP/IP Communication (Ethernet)
Cabling:	CAT6 Ethernet Cable, RJ-45 Termination
Power Req.:	User supplies POE or 120V AC/230V AC, 50/60 Hz

MECHANICAL SPECIFICATIONS

Size:	See dimensional info drawing
Weight:	Approximately 10 lbs.
Mounting:	See specification sheet VD11930-110
Ratings:	Available in NEMA 4, IP66
Temperature:	0°F to 200°F Ambient Typical Ratings to 3000°F (process) are available on certain models. Consult factory for details.

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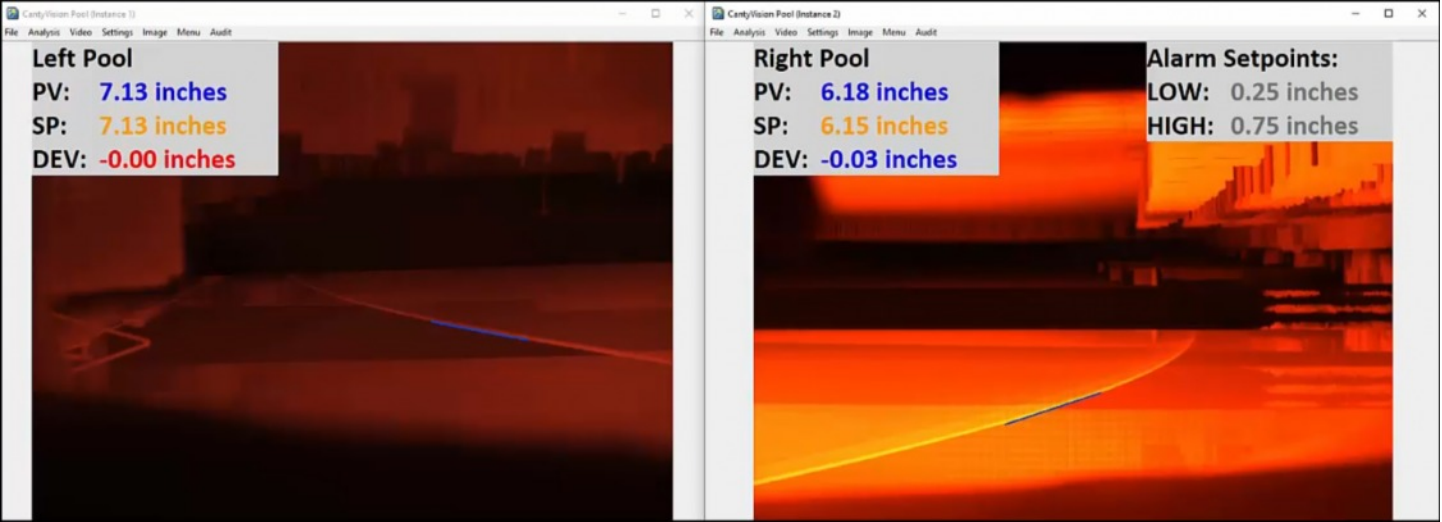
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TECHNICAL INFORMATION



Power Type: Power over Ethernet

 <p>Air Cooled Packages</p>	<p>VOS-E2A11</p> <p>Includes two camera systems with air-cooled aluminum housing, with mounting bracket & orifice plate to keep view clean as well as serve as a temperature barrier.</p>	 <p>Water Cooled Packages</p>	<p>VOS-E2W22</p> <p>Includes two camera systems with water-cooled aluminum housing, with mounting bracket & orifice plate to keep view clean as well as serve as a temperature barrier.</p>
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DELIVERABLES:

- Weatherproof Pool Monitoring in Tin Bath/Onion Skin system comes with a Weatherproof RJ45 Connector Receptacle (Female) and Mating Connector for termination of customer supplied CAT 6 Ethernet cable per camera.
- Adjustable Mounting Stand per camera side, reference drawing [VD11930-110](#) for mounting bracket details.
- Vector Control Module- Each camera ordered must be connected to a Cauty Vector Control Module (VCM), ordered separately (see below)

CUSTOMER PROVIDES:

- CAT 6 Ethernet cable for use from the VCM to each of the weatherproof connector's on the camera's (maximum of 300 feet distance; for further distances see TA11950-1024 or consult factory)
- Power to the Vector Control Module, 24V DC, 120V AC or 230V AC based on model purchased.
- Customer to supply air or water based on model selected in accordance with manual specification.

REFERENCES: Reference IOM manual TA11200-1057.
Reference Document TA11500-1082 for installation layout worksheet.



VECTOR CONTROL MODULE (VCM)

CautyVision software is hosted on a Vector Control Module (VCM), ordered separately. VCMs are dedicated image processors that analyze the video provided by Cauty cameras and convert the information into outputs. A single VCM can support up to 6 cameras for analysis, model dependent. The operator screen makes for simple, accurate, real time visual verification. The VCM has OPC or 4-20mA outputs to a PLC or DCS for complete control. The VCM comes with the ability to have full administration controlled passwords and permissions. This cost effective system has a compact design with a customizable screen and an easy setup. The VCM can connect wirelessly to the internet, allowing remote desktop support that can be accessed by the CANTY support team to assist with setup, questions, analysis, etc. For additional information on what VCM is right for you, refer to document [TA12100-1012](#).