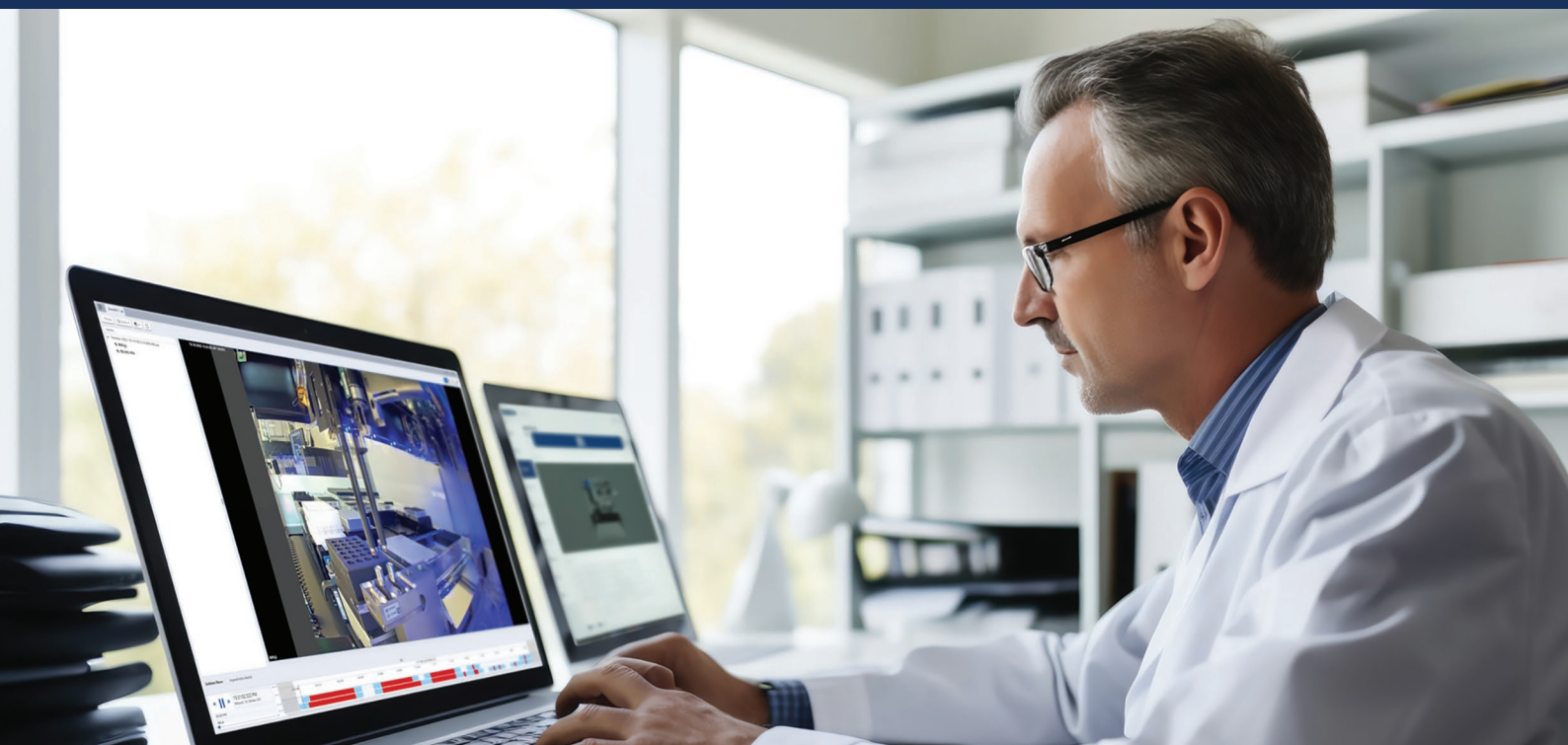




DeckWatch

Camera-Based Deck Monitoring



Ready to Run

Non-intrusive & flexible integration for Microlab® STAR™ Line, Microlab® STAR^V (STAR V), and Microlab® VANTAGE Liquid Handling System®



Highest Productivity

Rapid error identification minimizes downtime



Maximum Safety

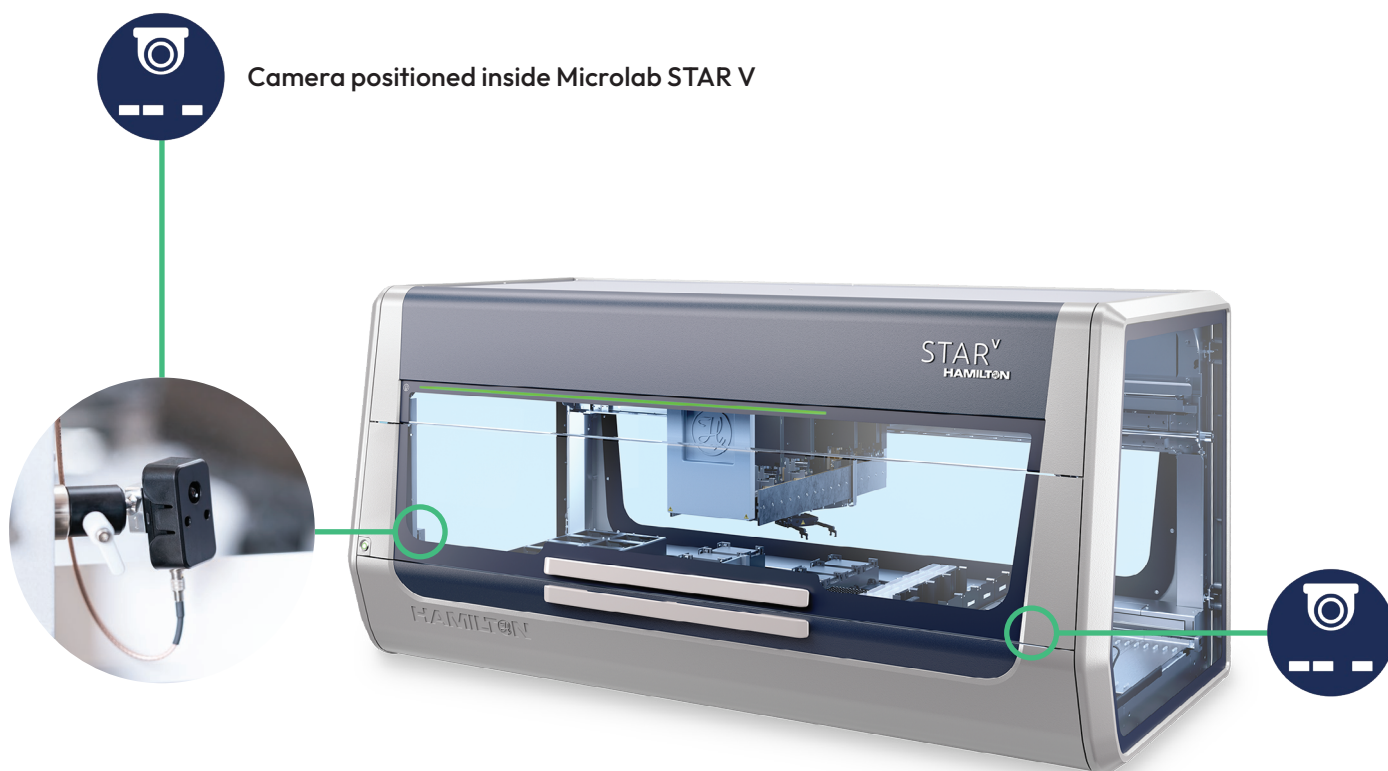
Continuous visual inspection of deck activities ensures maximum process reliability

Introducing DeckWatch

Visual Process Monitoring Solution

Scientific workflows depend on the consistent execution of on-deck processes. Even minor errors can have significant downstream consequences, making reliable performance essential. However, manually observing every step of a run, especially those taking place overnight, on weekends, or over multiple days is unrealistic.

DeckWatch offers an innovative solution. The user-friendly, two-camera system integrates with Hamilton's automated liquid handling platforms, capturing and recording every activity in detail. DeckWatch saves laboratories valuable time and resources while providing comprehensive monitoring and traceability.



- Non-intrusive & flexible integration
- Easy sharing of video files
- Allows viewer access to multiple observers from different locations*
- User management tools to set viewing access and safety viewing zones

*Location must be within the same network

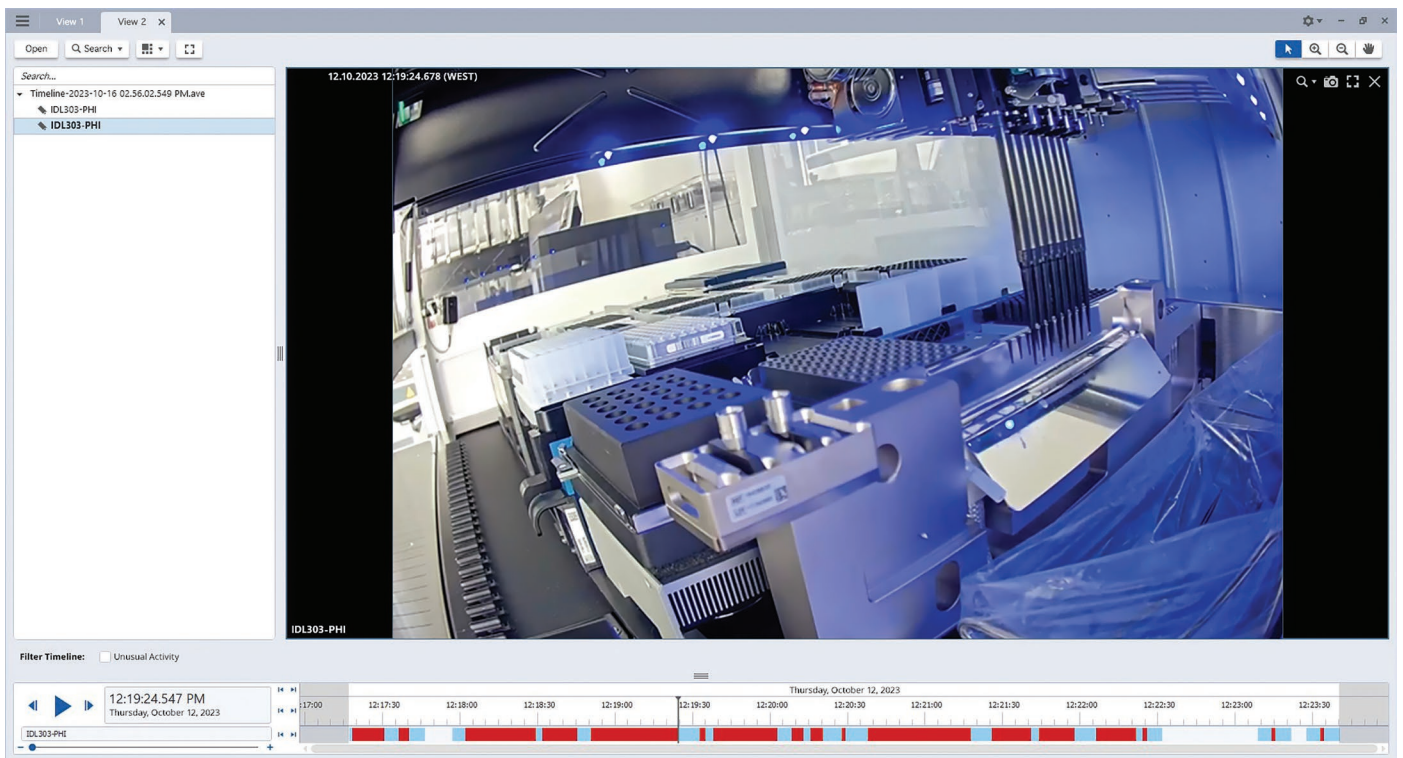
Visual Process Monitoring

DeckWatch is ideal for laboratories looking to visually track processes during operation, especially for runs lasting overnight, during weekends, or throughout several days.

DeckWatch utilizes Avigilon™ software, providing operators with a professional user interface to monitor runs. Movements within the automated liquid handler are detected and clearly displayed on a timeline, allowing simple navigation to specific activities. User-defined software settings ensure DeckWatch focuses on the most critical elements of each workflow.

Use Cases

- Run monitoring
- Troubleshooting
- Method development



Upgrade to DeckWatch

Enhance your Hamilton automated liquid handler, shorten process development, and reduce downtime by upgrading to DeckWatch.

The DeckWatch kit includes:

- Two DeckWatch cameras
- Pelco license unit
- PoE switch
- Connection cabling

Technical Data

Operating Temperature	-10°C to +60°C (14°F to 140°F)
Storage Temperature	-10°C to +70°C (14°F to 158°F)
Dimensions Camera Only	45 mm x 25 mm x 20 mm
Dimensions Main Unit	105 mm x 123 mm x 34 mm
Weight Camera	0.028 kg
Weight Main Unit	0.517 kg
Max Image Rate	50/60 Hz: 25/30 fps
Day/Night Control	Automatic, Manual
Motion Detection	Pixel motion; selectable sensitivity and threshold
Privacy Zones	Up to 64
Communication Interface	ONVIF Profile S, T and G
Image Compression Method	H.264, H.265, Motion JPEG
Resolution	3 MP
Security	Password protection, digest and WS authentication, HTTPS encryption, user access log
Power Supply	Power over Ethernet (PoE)
Power Consumption	13W (max)
VENUS Software Compatibility	Full compatibility with error recording, VENUS 6.2 or later

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hamiltoncompany.com/contacts
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marketingrequest@hamiltoncompany.com

United States
+1-775-858-3000
United Kingdom, Ireland
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+55 11 95914 5000
China
+86 21 6164 6567

Denmark, Norway, Sweden, Finland
+46 8410 27 373
France
+33 184 008 420
Germany, Austria, Switzerland
+49 89 248 804 804

Benelux
+31 40 209 178 0
Italy
+39 039 930 06 06
Japan
+81 3 6435 6850
Spain, Portugal
+34 930 186 262

