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Process Instruments

ThermoView® TV40

Software Versions

	ThermoView Lite	ThermoView Software	ThermoView EtherNet/IP	ThermoView Modbus	ThermoView Critical Asset	ThermoView Backlight
Image Storage Management						
IR and visual images linking	x	x	x	x	x	x
IR image thumbnail view / IR image preview	x	x	x	x	x	x
IR image search	–	–	–	–	–	–
Image Display						
Adjustable image view, image zooming	x	x	x	x	x	x
Image rotation, mirroring	–	x	x	x	x	x
Color Palettes: 11 palettes, color inversion, reduction to 16 colors	x	x	x	x	x	x
Palette contrast enhancement: Histogram equalization, Plateau histogram equalization	x	x	x	x	x	x
Temperature range: camera preset, auto and custom	x	x	x	x	x	x
IR-Visual image Fusion / Details enhancement	x	x	x	x	x	x
Camera optics selection	–	x	x	x	x	x
3D-image view	–	–	–	–	–	–
Thermographic Analysis						
Image temperature correction (emissivity, reflected temperature,...)	–	–	–	–	–	–
Temperature correction for individual analysis objects	–	x	x	x	x	x
Emissivity lookup table	–	x	x	x	x	x
Emissivity map	–		x	x	x	x
Temperature offset	–	x	x	x	x	x
Averaging (3x3, 5x5)	–	x	x	x	x	x
Digital filtering (Median, Convolution, Dilation/Erosion, ...)	–	x	x	x	x	x
Image subtraction	–	x	x	x	x	x
Image Range of Interest	–	x	x	x	x	x
Alarm range for measurements	–	x	x	x	x	x
Reference temperature	–	x	x	x	x	x
Dew point (calculation/isotherm)	–	x	x	x	x	x
Isotherms	x	x	x	x	x	x
On-images notes	x	x	x	x	x	x
Rulers, distance measurement	–	x	x	x	x	x
Peak counting across a line profile	–	–	–	–	–	x

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Point measurements						
Flying spot meter (Cursor)	–	x	x	x	x	x
Points (limit)	–	No limit	No limit	No limit	No limit	No limit
Hot/Cold spots detection	–	20/20	20/20	20/20	20/20	20/20
Two points Δ calculation	–	x	x	x	x	x
Emissivity by known temperature recalculation	–	x	x	x	x	x
Line measurements						
Lines (limit)	–	No limit	No limit	No limit	No limit	No limit
Vertical, horizontal, diagonal lines	–	x	x	x	x	x
Polylines, crosslines	–	x	x	x	x	x
On-image profiles	–	x	x	x	x	x
Minimum, maximum, average calculation	–	x	x	x	x	x
Two lines Δ calculation	–	x	x	x	x	x
Profile graphs	–	x	x	x	x	x
Area measurements						
Areas (limit)	–	No limits	No limits	No limits	No limits	No limits
Rectangular, Elliptical, Circular areas	–	x	x	x	x	x
Polygons	–	x	x	x	x	x
Minimum, maximum, average, std. deviation, area calculation	–	x	x	x	x	x
Two areas Δ calculation	–	x	x	x	x	x
Area – Range of Interest	–	x	x	x	x	x
Histogram graphs	–	x	x	x	x	x
"Box envelope profile" graphs	–	x	x	x	x	x
Sequence Analysis						
Multi-frame file formats support	–	x	x	x	x	x
Sequence player with adjustable playback speed	x	x	x	x	x	x
Sequence editor	x	x	x	x	x	x
Sequence aggregation: Median, Maximum, Minimum, Average, Thin out	–	x	x	x	x	x
Sequence export: native, common image formats (PNG, JPG), video (AVI), text, comma separated (CSV), binary, MATLAB matrices	–	x	x	x	x	x
Sequence statistics	–	–	–	–	–	–
Trend analysis						
Point trend	–	x	x	x	x	x
Area trend	–	x	x	x	x	x
Mixed trend	–	x	x	x	x	x
Profile trend envelope	–	–	–	–	–	–
Box line trend	–	–	–	–	–	–
Real-time Acquisition and Recording						
Online image acquisition	–	x	x	x	x	x
Acquisition frame rate limit	–	No limit	No limit	No limit	No limit	No limit

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Video buffer in memory (history buffer)	–	x	x	x	x	x
Acquisition from multiple cameras	–	x	x	x	x	x
Image recorder (continious, single, N frames)	–	x	x	x	x	x
Image recording by triggers (timeout, frame counter, COM port)	–	x	x	x	x	x
Recording to sequence (IRS) files	–	x	x	x	x	x
Real-time trends	–	x	x	x	x	x
Real-time trend recorder	–	x	x	x	x	x
Acquisition projects	–	x	x	x	x	x
Automation and Process control						
Alarms and Signals	–	x	x	x	x	x
Measurement outputs (Analog outputs)	–	x	x	x	x	x
Automation actions	–	x	x	x	x	x
Image recomposition	–	x	x	x	x	x
Camera shutter control	–	x	x	x	x	x
DAQ watchdog	–	x	x	x	x	x
Automation Conditions:						
DAQ (I/O)	–	x	x	x	x	x
EthernetIP I/O	–	–	x	–	x	–
Modbus I/O	–	–	–	x	x	–
Integration with PT accessory	–	–	–	–	x	–
Temperature	–	x	x	x	x	x
Timer	–	x	x	x	x	x
Conditions combinations	–	x	x	x	x	x
Image (trend) recording by conditions	–	x	x	x	x	x
Report generation, Export, Printing						
Templates based report generation system in Microsoft Word	–	–	–	–	–	–
Notations and comments	–	–	–	–	–	–
Report summary table	–	–	–	–	–	–
Copy & Paste: images and graphs	–	x	x	x	x	x
Printing: images and graphs	–	x	x	x	x	x
Images and graphs export: PNG, JPG, TXT, CSV, AVI	–	x	x	x	x	x
Copy with Details	–	x	x	x	x	x
Multi-picture export to Microsoft Office	–	–	–	–	–	–
General						
Help manual, digital (English)	x	x	x	x	x	x
Multilingual: English, Chinese, French, German, Italian, Japanese, Russian, Spanish	x	x	x	x	x	x
Temperature unit selection (C, F, K)	x	x	x	x	x	x
Distance unit, date format selection	x	x	x	x	x	x
Play/record image	x	x	x	x	x	x
Picture composition, subtraction tools	–	–	–	–	–	–

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These products are controlled under ECCN 6A003.B.4.B and an export license is needed for certain destinations. Please see RS1 controls for licensing requirements.

The Fluke Process Instruments Guarantee

The ThermoView TV40 thermal imager is supported by a 2 year warranty. With a network of trained representatives and agents in over one hundred countries and offices located in the U.S., Germany and China, we provide local service and support.

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Worldwide Service
Fluke Process Instruments offers services, including repair and calibration. For more information, contact your local office.

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