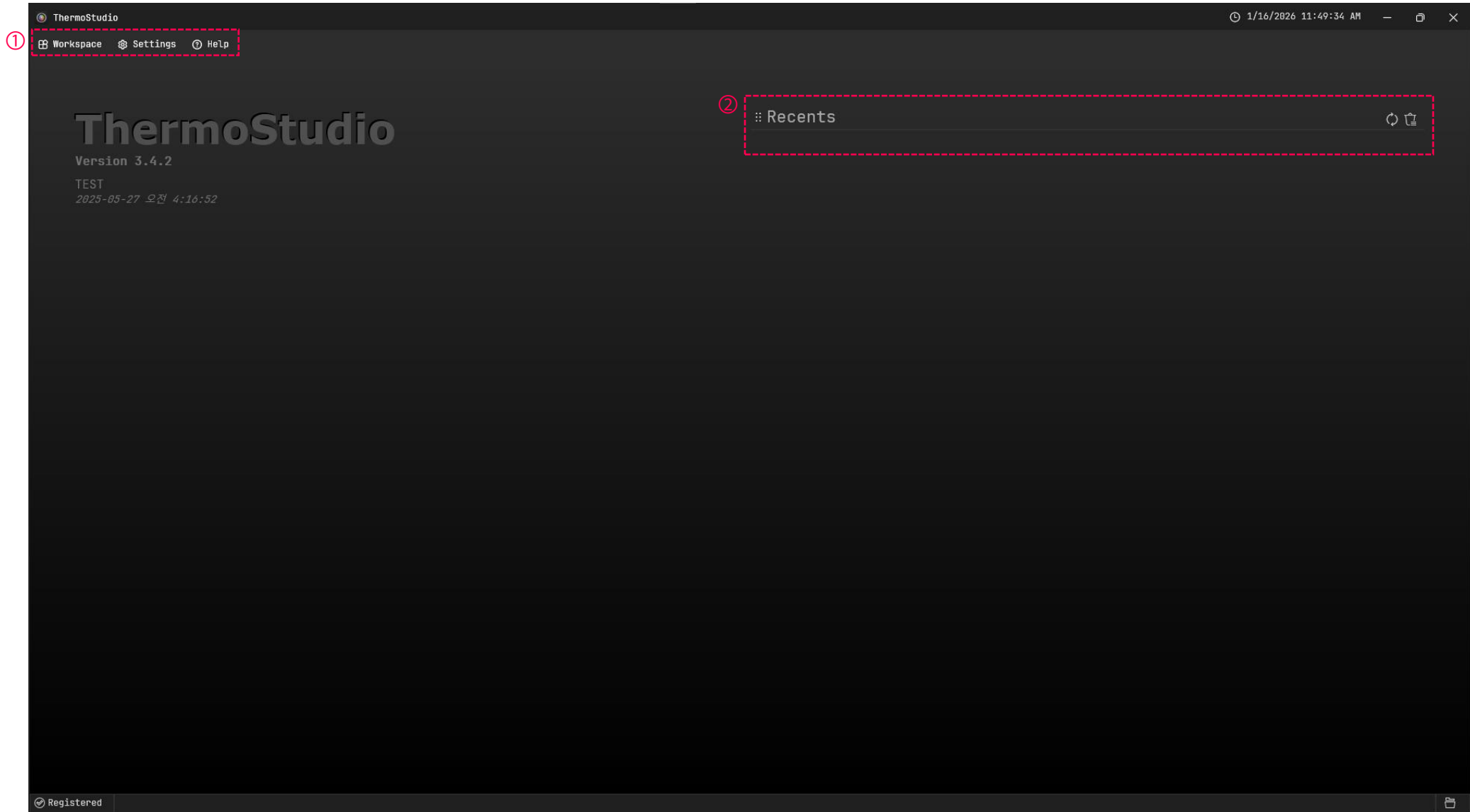


ThermoStudio

Quick Manual



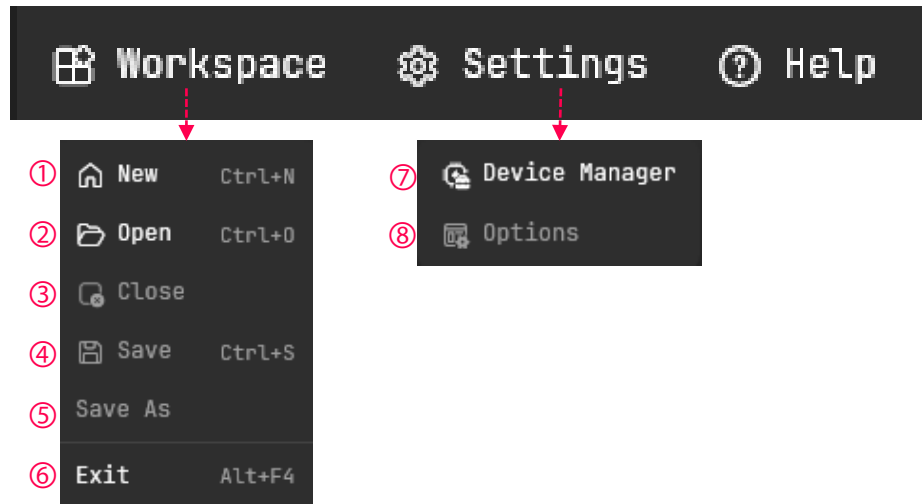
01 Start Screen



① Top Menu

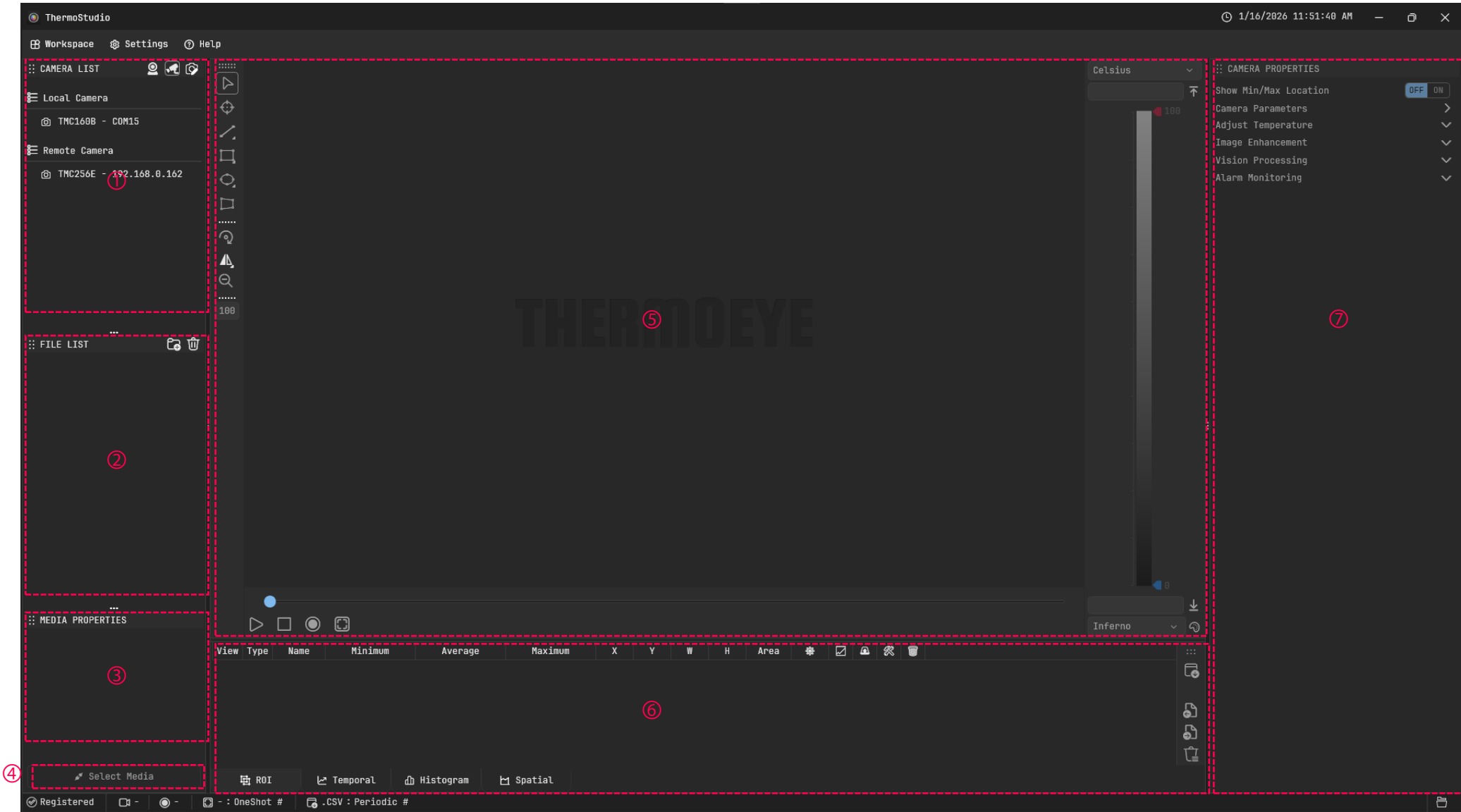
② Open Recent Workspace

01 Start Screen - Top Menu



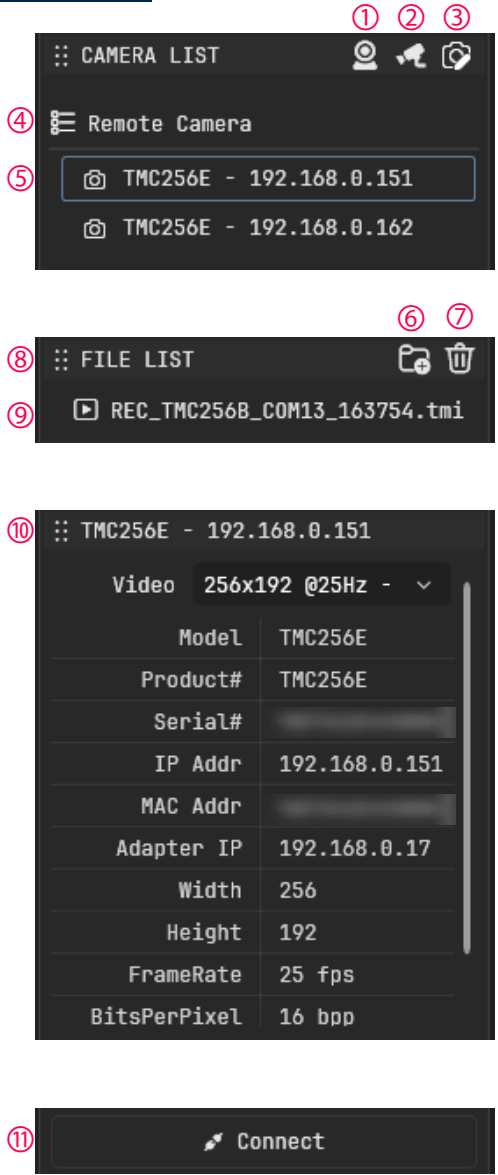
- ① New Workspace
- ② Open Workspace
- ③ Close Workspace
- ④ Save
- ⑤ Save As...
- ⑥ Exit
- ⑦ Device Manager
- ⑧ App Settings

02 Workspace



- ① Camera List
- ② File List(.tmi)
- ③ Media Properties
- ④ Connection Control
- ⑤ Thermal Viewer
- ⑥ ROI & Analytics
- ⑦ Camera Properties

02 Workspace: Camera & File List



- ① Scan Local Cameras (USB)
- ② Scan Remote Cameras (Ethernet)
- ③ Rename Camera
- ④ Device List (USB/Ethernet)
- ⑤ Discovery Results
- ⑥ Import Recording (.tmi)
- ⑦ Remove File
- ⑧ Recording List
- ⑨ Loaded File
- ⑩ Media Properties
 - [Local Camera]
Video: Resolution @ FPS
Model: Camera Model Name
Port: Serial Port Number
PID: USB Product ID
VID: USB Vendor ID
Width: Image Width
Height: Image Height
FrameRate: FPS (Frames Per Second)
BitsPerPixel: Bit Depth
Format: Video Format
- ⑪ Connect / Disconnect

- [Remote Camera]
Video: Resolution @ FPS
Model: Camera Model Name
Product#: Product Number
Serial#: Serial Number
IP Addr: Camera IP Address
MAC Addr: Camera MAC Address
Adapter IP: PC Interface IP Address
Width: Image Width
Height: Image Height
FrameRate: FPS (Frames Per Second)
BitsPerPixel: Bit Depth
Format: Video Format

02 Workspace: Camera Properties

⌵ CAMERA PROPERTIES

Show Min/Max Location OFF ON

Camera Parameters >

① Adjust Temperature ⌵

② Image Enhancement ⌵

Vision Processing ⌵

Alarm Monitoring ⌵

① Thermal Offset Calibration

② Image Quality Enhancement

Adjust Temperature

③ Slope 1.00

④ Offset 0.0 °C

Image Enhancement

⑤ ☐ Noise Filter

⑥ ☐ Digital Detail 1.5 < 2.5

⑦ ☐ Plateau Equalizer 10000 < 65535

⑧ Denoising -1

⑨ Sharpening -1

③ Slope Adjustment

④ Offset Adjustment

⑤ Noise Filtering (Smoothing)

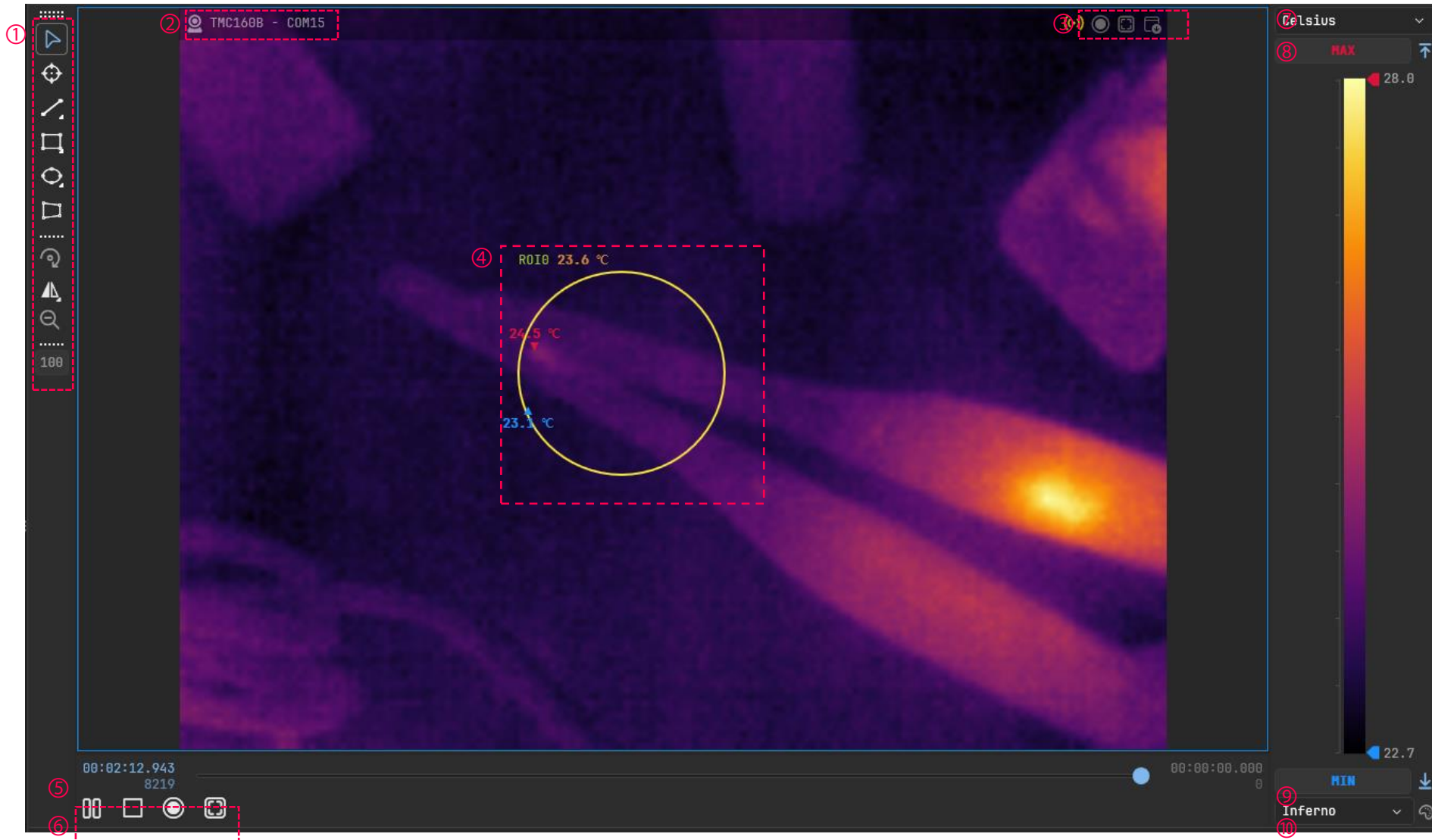
⑥ Digital Detail Enhancement

⑦ Contrast Optimization (PE)

⑧ Denoising (Softness Control)

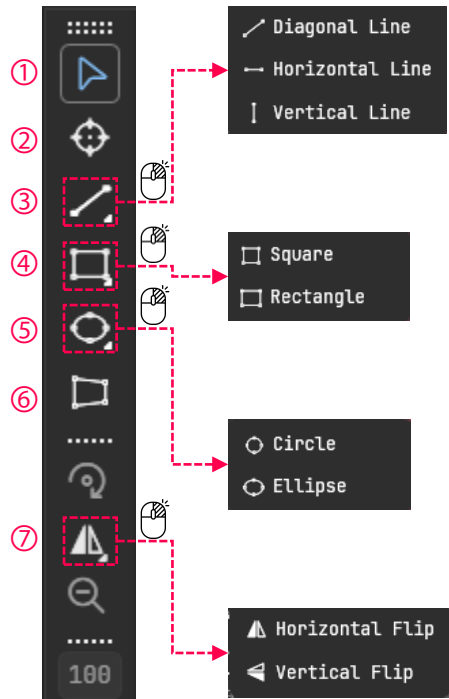
⑨ Sharpening (Clarity Control)

02 Workspace: Thermal Viewer



- ① ROI Configuration Tools
- ② Device Info (Name - IP/Port)
- ③ Media Status Bar
- ④ ROI Overlays & Temperature Data
 - Red: Max Temperature
 - Blue: Min Temperature
 - Orange: Average Temperature
- ⑤ Playback / Live Timestamp
- ⑥ Media Control Bar
- ⑦ Temperature Unit (°C/°F)
- ⑧ Max Temp Filter
- ⑨ Min Temp Filter
- ⑩ Thermal Color Palette

02 Workspace: ROI Configuration Tools



① Select

② Point

③ Line 

- Freeform
- Horizontal
- Vertical

④ Rectangle 

- Square
- Rectangle

⑤ Ellipse 

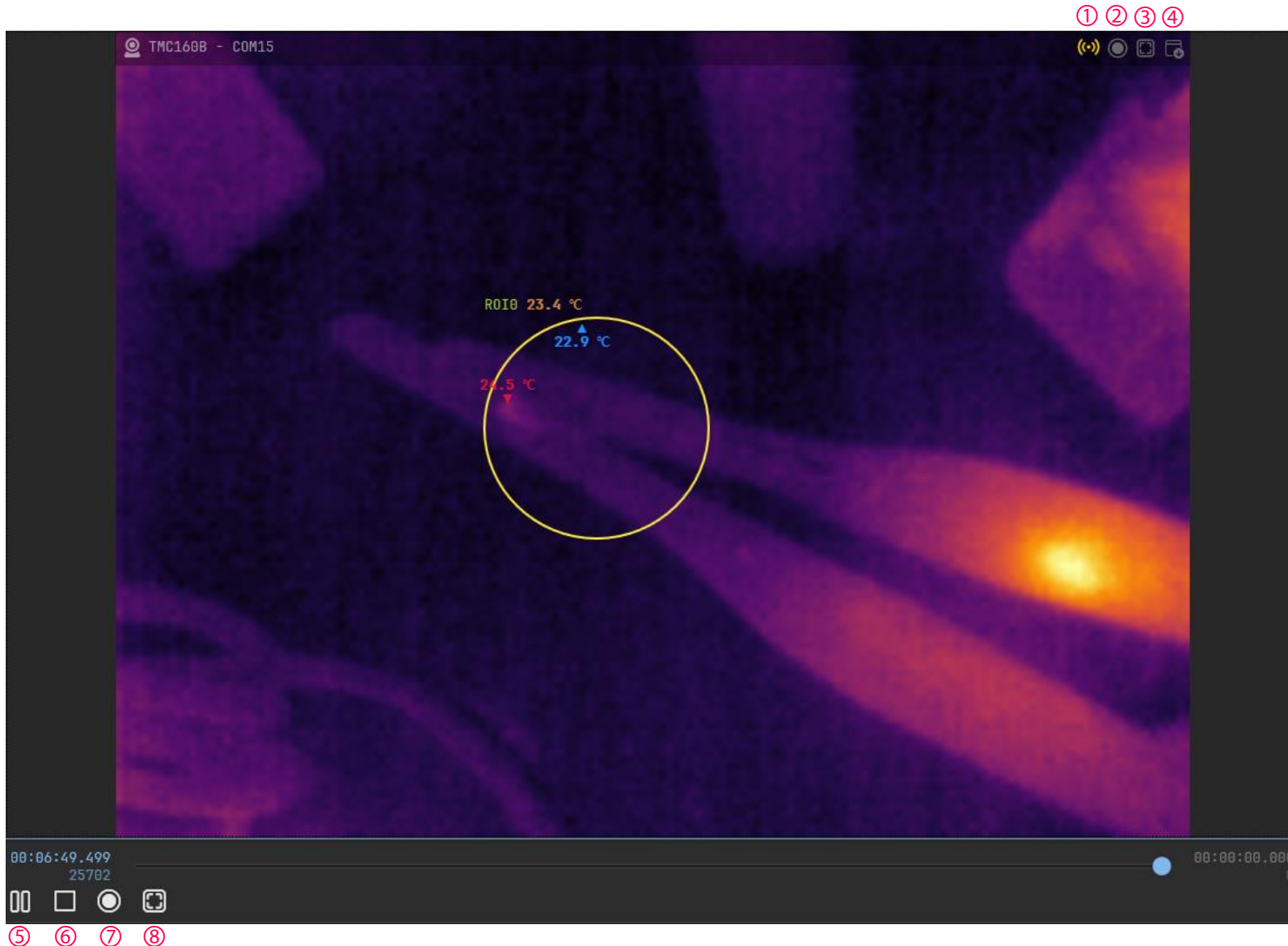
- Circle
- Ellipse

⑥ Polygon

⑦ Image Flip 

- Horizontal Flip
- Vertical Flip

02 Workspace: Status Bar & Control Bar



- ① Playback Status
- ② Recording Status
- ③ Capture Status
- ④ CSV Logging Status

⑤ Play / Pause

⑥ Stop

⑦ Record 

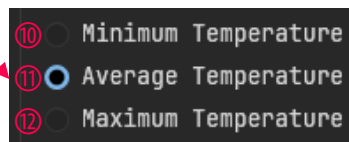
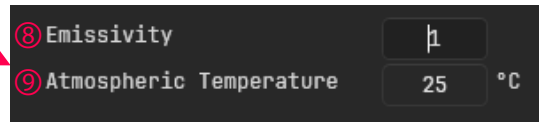
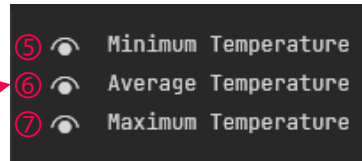
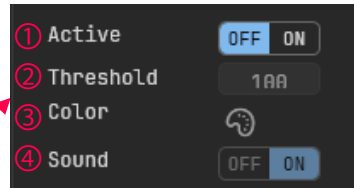
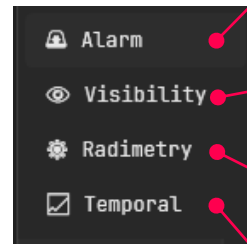
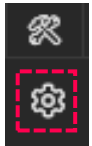
- .TMI
- .MP4
- .AVI

⑧ Capture (Snapshot) 

- | [Image] | [Raw] |
|-----------|---------|
| • .PNG | • .CSV |
| • .BMP | • .BIN |
| • .JPG | |
| • .GIF | |
| • .TIF | |

02 Workspace: ROI List & Analytics Panel

Advanced ROI Settings ✖

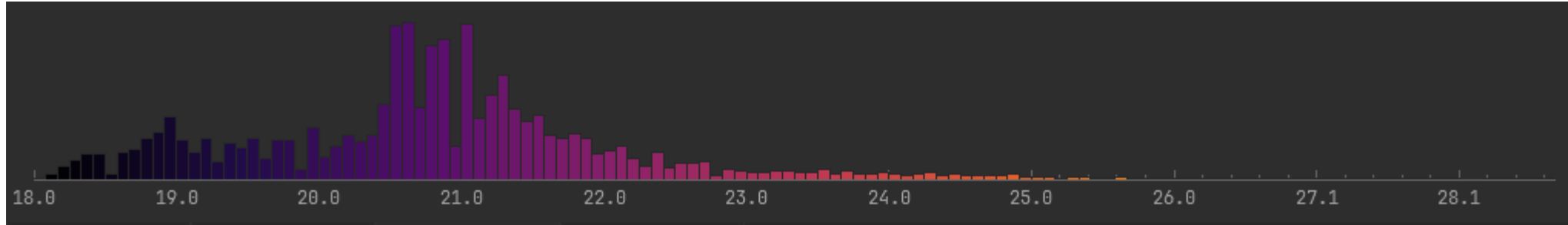


- ① Enable Alarm
- ② Alarm Threshold (Temp)
- ③ Alarm Color
- ④ Enable Alarm Sound
- ⑤ Display Min Temp
- ⑥ Display Avg Temp
- ⑦ Display Max Temp
- ⑧ Emissivity (0.0 – 1.0)
- ⑨ Ambient Temp Setting
- ⑩ Plot Min Temp Graph
- ⑪ Plot Avg Temp Graph
- ⑫ Plot Max Temp Graph

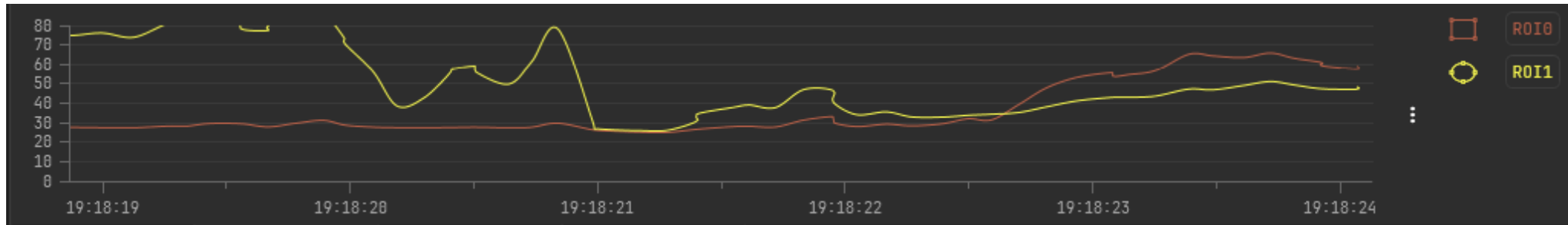
02 Workspace: ROI List & Analytics Panel



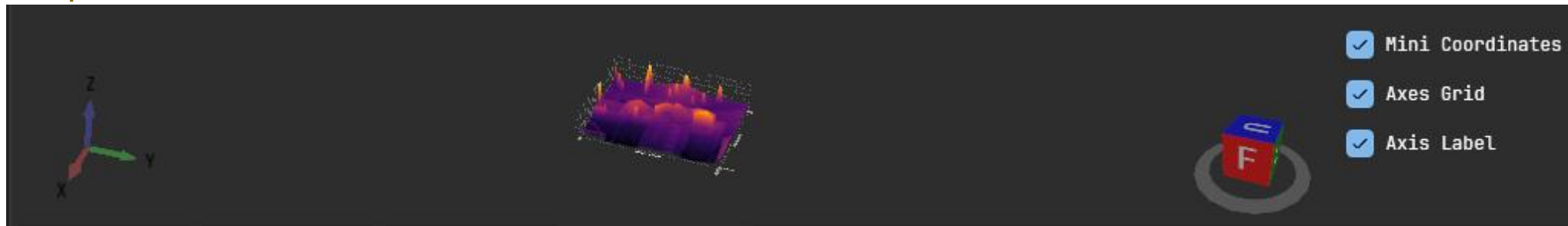
① Temporal



② Histogram



③ Spatial





NEW PERSPECTIVE
NEW VALUE



THERMOEYE