Metrici Thermal Analyzer engine – Datasheet

Features	
Architecture	distributed detection and recognition, free-flow or triggered
Number of recognized faces in each image	unlimited (the width of each face should be more than 4% of the width of the image)
Individual temperature measurement for each face	yes
Working mode	single or dual view (visual + thermal or thermal + thermal)
Thermal sensor selection	yes (left, right or both)
Recognition on thermal image	yes (it should be used because it cannot be fooled by a printed face)
Recognition on visible image	yes (the parallax error should be corrected at installation time)
Face bounding box reduction	yes (up to 90%)
Number of thermal algorithms	4 (average temperature, average of the hottest 10% pixels, average of the hottest 1% pixels, hottest pixel)
Number of detection zones	unlimited
Alarm temperatures range	yes (min and max can be defined)
Signaling device	yes (the ON URL, the OFF URL, and the delay can be defined individually)
Companion image	yes (from another camera or from the same camera using the JPEG image driver)
Temperature calibration	yes (static or by using a black body)
Type of objects recognized	human heads and human bodies (the neural network can be trained to recognize other type of objects like industrial parts or animals)

System requirements	
OS	Ubuntu 24.04 LTS, Linux CentOS 7 64 bits
CPU	Intel Xeon, AMD Ryzen, Threadripper or Epyc
GPU	Intel, AMD or Nvidia, mandatory for more than 2 cameras/ server
System memory	512 MB for each connected camera, but no less that 4 GB/ server
GPU memory	at least 256 MB available for each connected camera
Storage	up to 512 KB for each thermal event stored into the buffer, depending of the camera resolution and image compression
Cameras/ server	up to 256 conected cameras on each server, unlimited number of servers
Camera type	IP, MxPEG video stream, HTTP transport protocol
Supported camera producers	Mobotix