

Metrici QR engine - Datasheet

Features	
Architecture	distributed detection and recognition, free-flow or triggered
Recognition speed	less than 50ms/ QR Code at 200 pixels width
Number of QR Codes in each frame	unlimited number
Trigger type	over UDP from Barix Barionet 50 LAN Controller, from Metrici LPR web interface, or from other Metrici engine, LPR, PPD, AC, etc
Chained trigger	yes, to other Metrici engine, LPR, PPD, AC, etc
Companion stream	yes
QR Code tracking	yes, the direction of moving is determined by analyzing successive image frames
Detection window	yes, user definable
Single QR Code mode	yes
Number of doors/ gates controlled	up to two for each connected camera, driven independently depending on the recognized QR Code
GPS coordinates	yes, if a GPS dongle is connected
Weight	yes, the weighing scale should be connected to a Barix Barionet 50 equipped with a special Metrici firmware
Speed	yes, by using a Metrici Observer Radar
Data type for each recognized plate	QR Code, moving direction, first seen, last seen, location name, camera name, gps latitude, gps longitude, QR picture, environment picture, companion picture, weight, speed
Parallel processing	adaptive multithreading, up to 8 threads for each connected camera
GPU acceleration	yes, Intel, AMD or Nvidia supported
Data push	POST method over HTTP, two events generated: check_action and reporting

System requirements	
OS	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 than 4 GB/ server
GPU memory	at least 256 MB available for each connected camera
Storage	up to 512 KB for each QR Code stored into the buffer, depending of the camera resolution and image compression
Cameras/ server	up to 256 connected cameras on each server, unlimited number of servers
Camera type	IP, MJPEG, MxPEG or H.264 video stream, HTTP or RTSP/ RTP transport protocols
Supported camera producers	ACTi, Arecont, Avigilon, Axis, Bosch, Dahua, Diviolec, Hikvision, Mobotix, Novus, Pelco, Samsung, Sony, Uniview, Vivotek