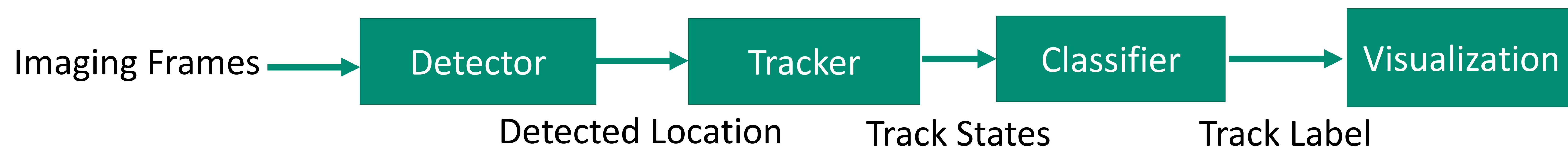




Moving Target Detection and Tracking For Wide-Area Surveillance

Principal Investigator: Tian J. Ma

Real-Time Moving Target Detection Work Flow

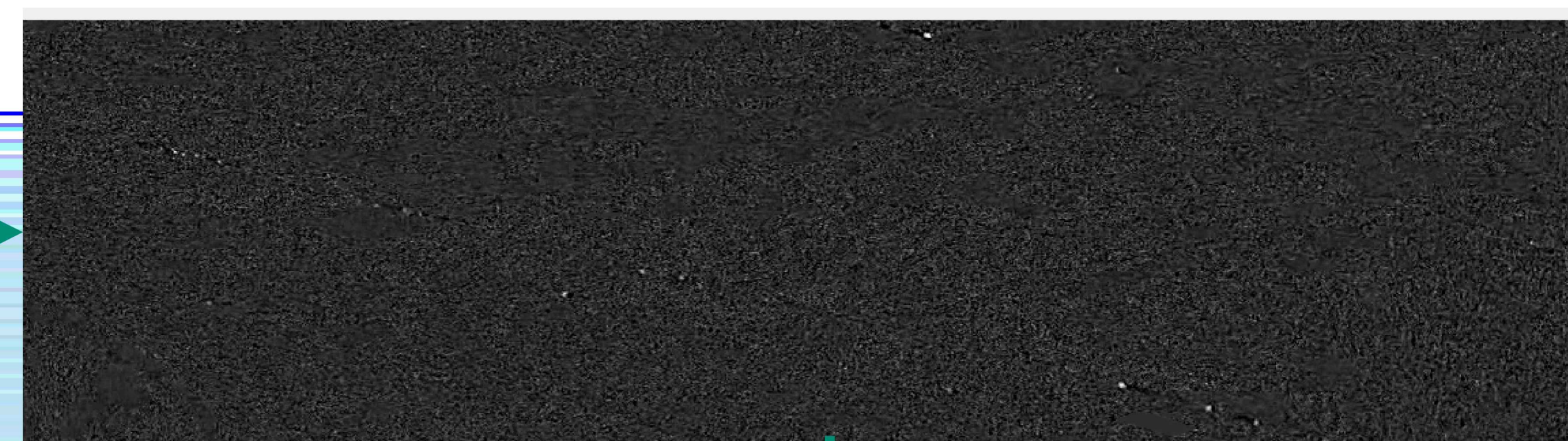


Raw Frame



Vehicle Detection Using a Remote Video Camera

Background Suppressed Frame



Camera Specs:

Red Mysterium X Camera
18 to 85 mm adjustable lens
24 frames per second with 3Kx3K resolution

Location:

Sandia Peak, 10,378 foot mountain region in
Albuquerque, New Mexico

Detected Vehicles in Frame



Automatic Target Detection and Tracking