

mastTM

Mobile Advanced Surveillance Trailer



duostech



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Mobile Advanced Surveillance Trailer (mast™)

The Mobile Advanced Surveillance Trailer (mast™) is a mobile intelligent surveillance platform designed to be easily repositioned or redeployed to meet changing security and operational needs. Each mast™ configuration is a secure, self-contained mobile unit that includes all components needed to create a directional virtual security zone within the field of view of its IP cameras. Additional mast™ units can be positioned in an area to create a reconfigurable virtual perimeter that can be relocated or adjusted as necessary. Incorporating video analytics capability in a transportable, rapid-deployment package, mast™ provides an open-architecture tactical surveillance solution that networks seamlessly for remote, automated surveillance.

BASE mast™ PLATFORMS

Each mast platform consists of a DOT-Approved trailer with folding retractable 30 ft mast and Duos' Video Analytics software pre-installed on a ruggedized tablet PC.

All components are pre-installed, configured, calibrated, and tested: coiled conduit & cabling for all cameras, and "top of mast" sensor.

TRAILER PLATFORMS

DT-MAST-G

DOT approved trailer, 28' AGL mast, cabling coil, guy wires, shore power, wheel lock

DT-MAST-WINCH

Motorized winch package

DT-MAST-TIRE

Tamper alarm switches for trailer panels

DT-MAST-TMP

Other platform options available

DT-MAST-BXX

Other base platforms, power and mast options available

COMMUNICATIONS

DT-MAST-LC2-411

3G Cellular Router w/802.11a/b/g access point, VPN, firewall and external cellular antenna w/cable. Pre-installed, calibrated, weatherproofed, and tested. Note: Cellular aircard with data plan is required but not included

DT-MAST-802ANT1

802.11 External 2.4GHz wireless antenna w/cable (omnidirectional or Yagi). Pre-installed, calibrated, weatherproofed, and tested

DT-MAST-802ANT2

802.11a 5.8 GHz, up to 5-mile point-to-point wireless (transmit system only). Pre-installed, calibrated, weatherproofed, and tested

DT-MAST-8ETHSW

8-Port ruggedized managed Ethernet switch

DT-MAST-WXX

Other communication packages available

LIGHTING

DT-MAST-LIR60/90

IR illuminator 30M@90 degrees, 850nm, auto-day/night switch. Pre-installed, calibrated, weatherproofed, and tested

DT-MAST-LIR80/45

IR illuminator 80M@45 degrees, 850nm, auto-day/night switch. Pre-installed, calibrated, weatherproofed, and tested

With centraco™ Command and Control

Like all of Duos' intelligent solutions, mast™ is command and control ready. Duos' state-of-the-art intelligent command and control platform, centraco™ provides a scalable information delivery and response solution that is designed to address operational and management challenges. Designed with years of "real life" situational input, the centraco™ platform is designed to perform in the most challenging and dynamic environments.



CAMERA

DT-MAST-CP

Network (IP) PTZ Camera with SDIII, 22x zoom, day/night, PoE, auto focus, IP66-rated dome housing. Includes camera mounting, power, control and video connections, calibration, weatherproof and testing

DT-MAST-CIR

Network (IP) fixed camera, 36x remote zoom lens, day/night, IP66-rated housing on pan/tilt platform with 200m, 850nm. Includes camera and IR mounting, power, control, and video connections, calibration, weatherproof, and testing

DT-MAST-CTH

Uncooled thermal camera, 50mm lens, MIL-STD-810F, mounted on pan/tilt unit with analog to IP converter. Includes camera mounting, power, control, and video connections, calibration, weatherproof and testing

DT-MAST-CTI

DT-MAST-CTH and DT-MAST-CIR on a single PTZ platform for view synchronization. Includes camera, PTZ, and IR mounting, power, control, and video connections, calibration, weatherproof, and testing

DT-MAST-CMP

Mobotix Camera on pan/tilt platform

DT-MAST-CANG

Four-channel analog camera to IP converter

DT-MAST-CXX

Other cameras, lensing and specialty imagers

COMPUTER PROCESSING / STORAGE

DT-MAST-COMP

Ruggedized computer

TRAILER SECURITY

DT-MAST-GPS

GPS tracking w/ 1 yr service

POWER

DT-MAST-6kwGEN

6 kW generator w/ automatic transfer switch and 56- gallon tank

DT-MAST-CANG

3.2 kW diesel generator, battery with solar trickle charger, UPS, ATS

DT-MAST-6kwGEN

Battery with solar trickle charger, UPS, ATS

DT-MAST-CANG

300VA UPS with environmental enclosure: provides uninterrupted electrical service to components during transfer between shore power interruption and 6 kW generator startup (recommended when DT-mast-6kwGEN is selected)

VIDEO ANALYTICS

ALL

Pre-installed Duos' video analytics software modules including Virtual Fence/Perimeter Detection and Left /Removed Object

AUDIO/VISUAL

DT-MAST-AUDIO

Two-way audio paging intercom/amp with outdoor microphone and speaker installed, configured, and tested

DT-MAST-STB

Blue strobe light for notification of local alarm condition

DT-MAST-AXX

Other intercom/audio packages available

mast™ pricing & specifications subject to change without notification

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D002/2176/0610

