



SMART CITY ENHANCING COMMUNICATIONS

TURNING DATA INTO ACTIONABLE INTELLIGENCE



PUBLIC DATA



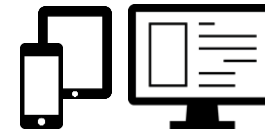
DATA



PUBLIC SAFETY DATA

MOTOROLA

CITIZENS



SMART CITIES



INTELLIGENCE



PUBLIC SAFETY

GIVING YOU THE ABILITY TO LEVERAGE BOTH TETRA AND BROADBAND NETWORKS

LAND MOBILE RADIO
NETWORKS

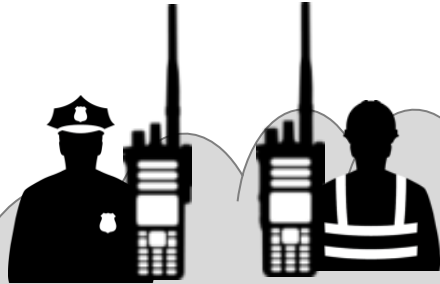


BROADBAND
NETWORKS

LAND MOBILE
RADIO

BROADBAND
NETWORKS

EXTENDING YOUR RADIO NETWORK OVER SECURE IP BROADBAND



**Public Safety and
Professional Radio
on dedicated
Radio System**



**Specialised Smartphone / Broadband Device
Consumer grade Smartphone / Broadband Device**



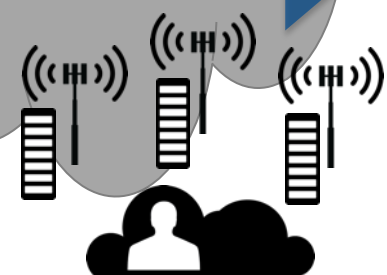
**CRITICAL COMMUNICATIONS INTER-OPERATION
ACROSS ANY NETWORK ON ANY DEVICE : WAVE 5000 / 7000**



**Professional Mobile Radio
*E.g. Airwave, T2 Heathrow***



**Public Safety LTE
*E.g. FirstNet***



**Carrier LTE (3G/4G WiFi)
*E.g. ESMCP / ESN***

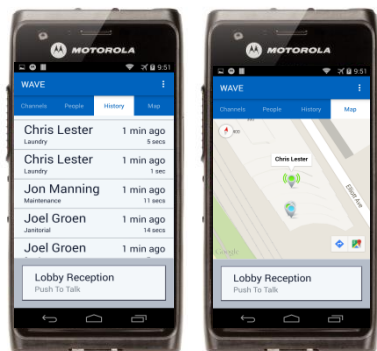


WAVE COMMUNICATORS

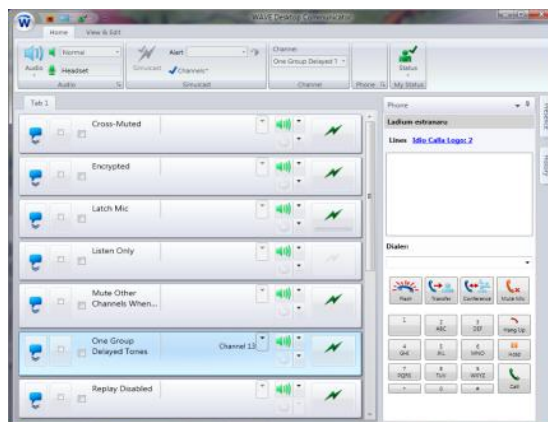


WAVE Communicators Provide the User Interface to a WAVE Communications System

WAVE Mobile Communicator



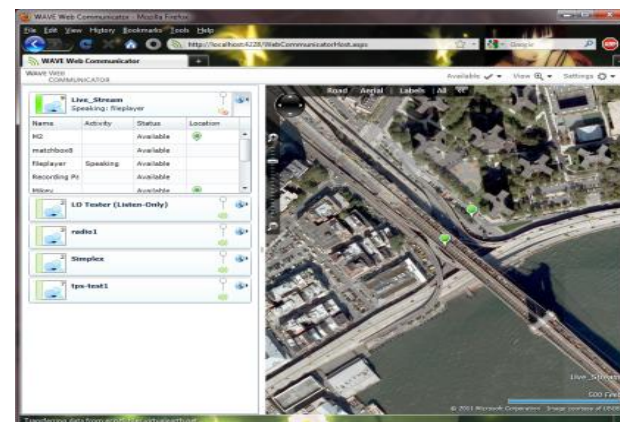
WAVE Desktop Communicator



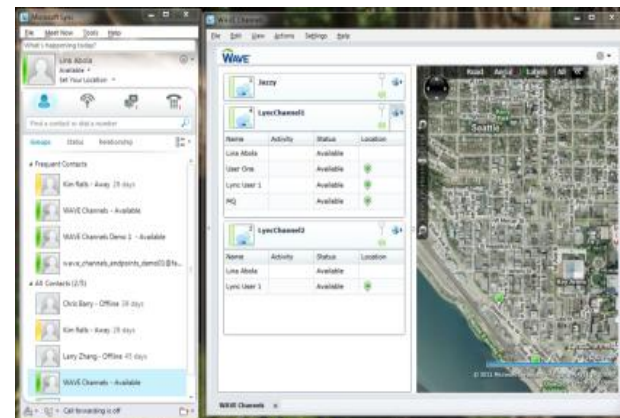
WAVE Dispatch Communicator



WAVE Web Communicator



WAVE Lync & WAVE SharePoint Communicators





ENHANCING YOUR COMMAND & CONTROL ROOM WITH **AWARE**



ONE *REAL-TIME* OPERATIONAL VIEW

CAD/ICCS **CRIME MAPPING** **RECORDS & QUERY** **RADIO CONSOLE** **SOCIAL MEDIA** **VIDEO STREAMING**

**COMMAND
CENTRAL
AWARE**

**CCTV
VIDEO
SYSTEMS**



**SENSORS
& ALARM
SYSTEMS**



**VIDEO
ANALYTICS**



**LOCATION
& PRESENCE**



UNIFIED DATA SOURCES

CONNECTED OFFICER - PUBLIC SAFETY EXPERIENCE



**CONSISTENT USER
EXPERIENCE**

SECURE PLATFORM

ANDROID and IOS

**DISPATCH,
QUERY AND
MESSAGING**

**MULTIPLE
DATA
SOURCES**

**STREAMING
VIDEO**

**MAPPING
AND
LOCATION
DATA**

CommandCentral Aware integrates existing customer applications (CAD/ICCS, Video/CCTV, ANPR, Social Media, Alarms), on one unified console. Intelligence is then sent out to officers in real time via smart devices.

CommandCentral Aware



MAP VIEW

Home

Map Preferences

Maps

Legend

Center

Search Map

VIDEO VIEW

VIDEO OPTIONS

Primary View

VIDEO LAYOUT

Cam Views

1-up 2-up 4-up

1+3 2+4 2+6

1+8 2+8 16-up

CAMERA GROUPS

TYPE GROUP/CAM REC MAP

ALL SOURCES

TYPE CAM REC MAP

Refresh

Last updated: 30/01/2016 15:27:20

<Enter Search Criteria>

Freeway

StadiumWestGameDay8 - C

POVPatrolGameDay9 - Cam

NorthHallwayGameDay7 - C

CAD INCIDENT MONITOR

ALARM MONITOR

UNIT STATUS MONITOR

SOCIAL MEDIA MONITOR

| | TIME | TYPE | CAMS | 0.1 | USER ID/ALERT SOURCE | ID |
|--|---------------------|--|------|-----|----------------------|---------------------|
| | 30/01/2016 14:58:18 | Alert - Privacy - Location Enabled, Privacy - Location Disclosed | | | TWITTER | 317069263194112906 |
| | 30/01/2016 14:01:18 | Alert - Privacy - Location Enabled | | | INSTAGRAM | 3459430041454162478 |

CommandCentral Aware integrates existing customer applications (CAD/ICCS, Video/CCTV, ANPR, Social Media, Alarms), on one unified console. Data sources are plotted on a map allowing the user to access, preview and then deliver the intelligence in real-time to first responder's smart devices or in-car data terminals.

| SOURCE INFORMATION | COMMENTS | ASSOCIA... | Email All | NEARBY CAMS | Play All | ATTACHMENTS |
|---|----------|------------|-----------|-------------|----------|--------------------------------------|
| Decision : Privacy Risk | | | | | | |
| Person : Merdzen Mamedova | | | | | | ADDITIONAL ACTIONS |
| City : Ashgabat | | | | | | View Original Source |
| Content Hash : 558393e68d9145ad2114f7858b4e808f70c5db68 | | | | | | |

Ohare Airport Terminal 1 OHARE TERMINAL 1 (1) of (1)

Zoom In

Zoom Out

Full Screen

Refresh

BRIEF CAM SYNDX

SMART CLIENT

SEARCH

RULES ENGINE

QUERY RESULTS

WORKSPACE

CommandCentral Aware



File View Action Help

Current Server: Default Server

MAP VIEW VIDEO VIEW

MAP VIEW

800ft

Map Preferences Maps Legend Center Search Map

VIDEO VIEW

VIDEO OPTIONS Primary View

VIDEO LAYOUT Cam Views

1-up 2-up 4-up
1+3 2+4 2+6
1+8 2+8 16-up

CAMERA GROUPS

TYPE GROUP/CAM REC MAP

ALL SOURCES

TYPE CAM REC MAP

Refresh Last updated: 06/02/2016 10:47:26

<Enter Search Criteria>

StadiumWestGameDay8 - Camera - 01

CAD INCIDENT MONITOR **ALARM MONITOR** **UNIT STATUS MONITOR** **SOCIAL MEDIA MONITOR**

| TIME | TYPE | LOCATION | LOCATION DESCRIPTION | C.. | 1.0 | SEVE... | SOURCE | ID |
|---------------------|--------------------|---|---------------------------|-----|-----|--------------------|------------|----|
| 03/02/2016 19:10:40 | Suspicious Package | Av. Concha Espina 1, 28036, Madrid - España | Santiago Bernabeu Stadium | ✓ | 1 | AgentVI | AgentVI | |
| 03/02/2016 19:08:57 | Facial Recognition | Madrid-Barajas Airport | TSA1 | ✓ | 0 | Facial Recognition | AL-0000211 | |

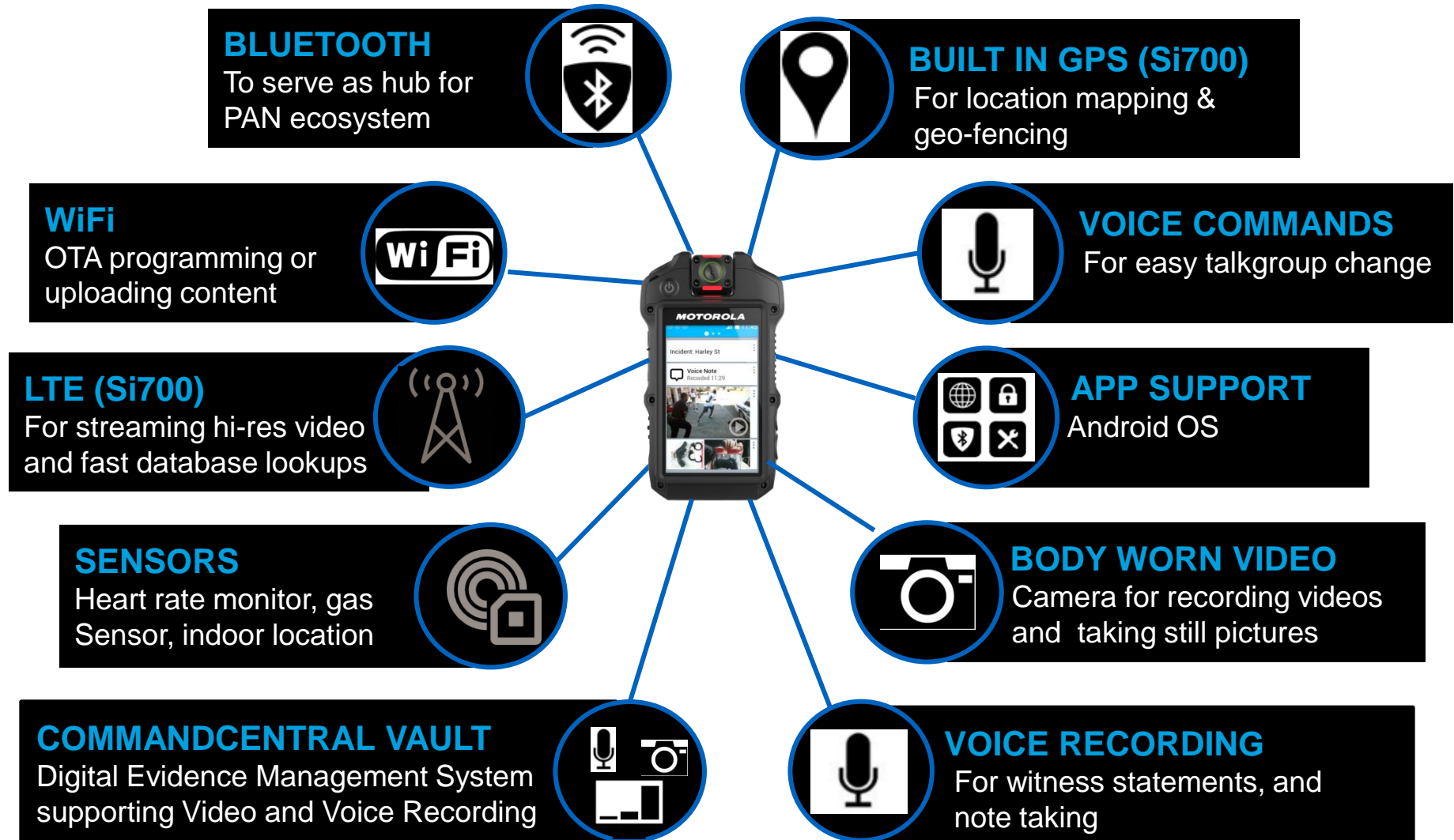
ALARM DETAILS: 03/02/2016 19:10:40 SUSPICIOUS PACKAGE AV. CONCHA ESPINA 1, 28036, MADRID - ESPAÑA

| SOURCE INFORMATION | COMMENTS | ASSOCIATIONS | NEARBY CAMS | ATTACHMENTS |
|--|---|--------------|-------------------------|-------------------------------|
| GPS DETAILS : Latitude : 40.45333742570 | Agent VI Video Analytics identified a suspicious package. | | SANTIAGO BERNABÉU ST... | Real Madrid football club.jpg |

SANTIAGO BERNABÉU STADIUM SANTIAGO BERNABÉU STADIUM (1) of (1)

In this example, CommandCentral Aware has received an alert from a video camera with real-time video analytics. The alert is a suspicious package at a futbol game in Madrid. The user can view live cameras inside the stadium as well as see the stadium map. In addition, social media searches can be done directly from the map to see if there are any criminal chatter or activity that might identify a suspect.

Si500 – BODY WORN VIDEO & REMOTE SPEAKER MIC



KEY ATTRIBUTES OF THE Si500



SUPERIOR AUDIO AND INTEGRATION TO YOUR RADIO



ADAPTIVE AUDIO TECHNOLOGY

.5 Watt speaker and DINC-X deliver clear audio quality

ADAPTIVE DUAL-SIDED OPERATION

- Beam-forming focuses on talker and the source of the noise
- 5 integrated microphones allow for flexible wearing positions

ADAPTIVE SPEAKER EQUALISATION

- Optimises equalisation settings based on user-selected loudness level
- At lower volumes, the speaker is equalised so talker's voice sounds authentic
- At higher volumes, the speaker is equalised for the best clarity

GPS TECHNOLOGY

GPS coordinates if connected to MTP3000 or MTP6000

INTEGRATED BLUETOOTH

Pair to radio and sensors for wireless connection

ULTRA-RUGGED SPECIFICATIONS

IP67 and MIL-SPEC 810G durability

PURPOSE-BUILT DESIGN

Easy-to-use design and prominent buttons

COMMANDCENTRAL VAULT



DIGITAL EVIDENCE MANAGEMENT SYSTEM

SIMPLIFIED MANAGEMENT

- Advanced security
- Advanced end-to-end content management
- Content storage
- Predictable costs (OPEX)
- Cloud only offering -- no complex IT

SIMPLIFIED WORKFLOWS

- **Integration with Si500 and Si700**
- Metadata extraction (time and date)
- Advanced retrieval, review and management
- Rapid face/object redaction
- Streamlined evidence sharing

CONNECTED OFFICER



INTEGRATED DISPLAY GLASSES

Visual display of critical status alerts

VIDEO REMOTE SPEAKER MICROPHONE

Capture and stream live video

BIOMONITORING

Monitor officer's health and vitals

SMART DEVICE

Public safety LTE broadband communication and mission-critical applications

MISSION-CRITICAL RADIO

Interoperability, collaboration and always-on communication

GUN HOLSTER SENSOR

Gun unlock alert

THANK YOU



MOTOROLA SOLUTIONS

