



DS-6801

Critical Surveillance and Dispatch System

- Quick Deployment
- Flexible Video Capture
- NLOS Transmission Technology
- High Integrated Video Functions
- Powerful Voice Dispatching





DS-6801

Critical Surveillance and Dispatch System

DS-6801 Critical Surveillance and Dispatch System is an integrated command & dispatch system specially designed for emergency communication. It can greatly facilitate on-site command & dispatch in emergency incidents handling, such as massive riots, disaster rescue and major events security with excellent voice & video dispatching and full interoperability between multi-standard public networks and private networks.



System Features

Quick Deployment

- Compact design, light weight, small size, easy for carry and deployment.
- Built-in MIC, touch screen operation, easy to use.
- Integrated with high-definition, highlight and wide temperature display, can be used in tough environment.

- ① 17 inch highlight, wide temperature and high-definition display
- ② 10.4 inch waterproof touch screen
- ③ Dispatching shortcuts
- ④ Bult-in microphone
- ⑤ Carbon fiber shell
- ⑥ Maintenance area
- ⑦ External interface area



Flexible Video Capture

- Support video receiving from mobile camera and fixed camera.
- Man-pack transmitter support 1-2km wireless video transmission.



NLOS Transmission Technology

- COFDM technology is used for high speed video transmission and anti-interference.
- Video relay is designed for increasing transmission distance and improving transmission performance in NLOS environment



- ① Receiver Antenna
- ② Transmitter antenna
- ③ LCD Display
- ④ Singal intensity indicator
- ⑤ Push-button for setting
- ⑥ Video quality indicator
- ⑦ Battery interface

➤➤ High Integrated Video Functions

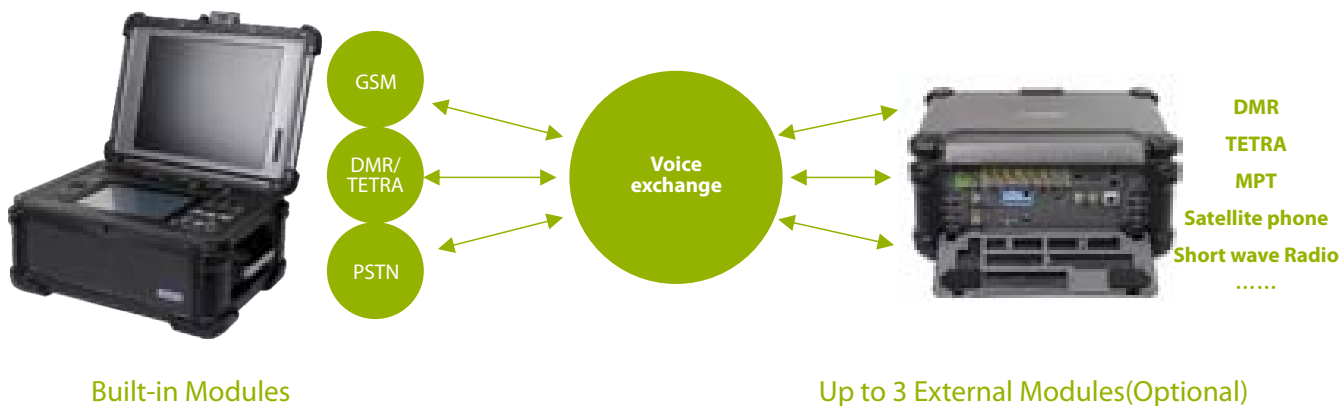
- DS-6801 is integrated with video control, storage and transmission modules, variety of I/O interfaces, easy for display and transmission.

- Support up to 2 channels of wireless video receiving
- 4 channels of video recording
- 4*4 video matrix and 2*2 HDMI matrix
- One H.264 IP video coder module for IP transmission
- 3G module(WCDMA or EVDO) for wireless transmission



➤➤ Powerful Voice Dispatching

- Multi-standard (DMR,Tetra,GSM,PSTN,MPT,etc.) voice dispatching and interconnection.
- Support up to 6-party conference call.

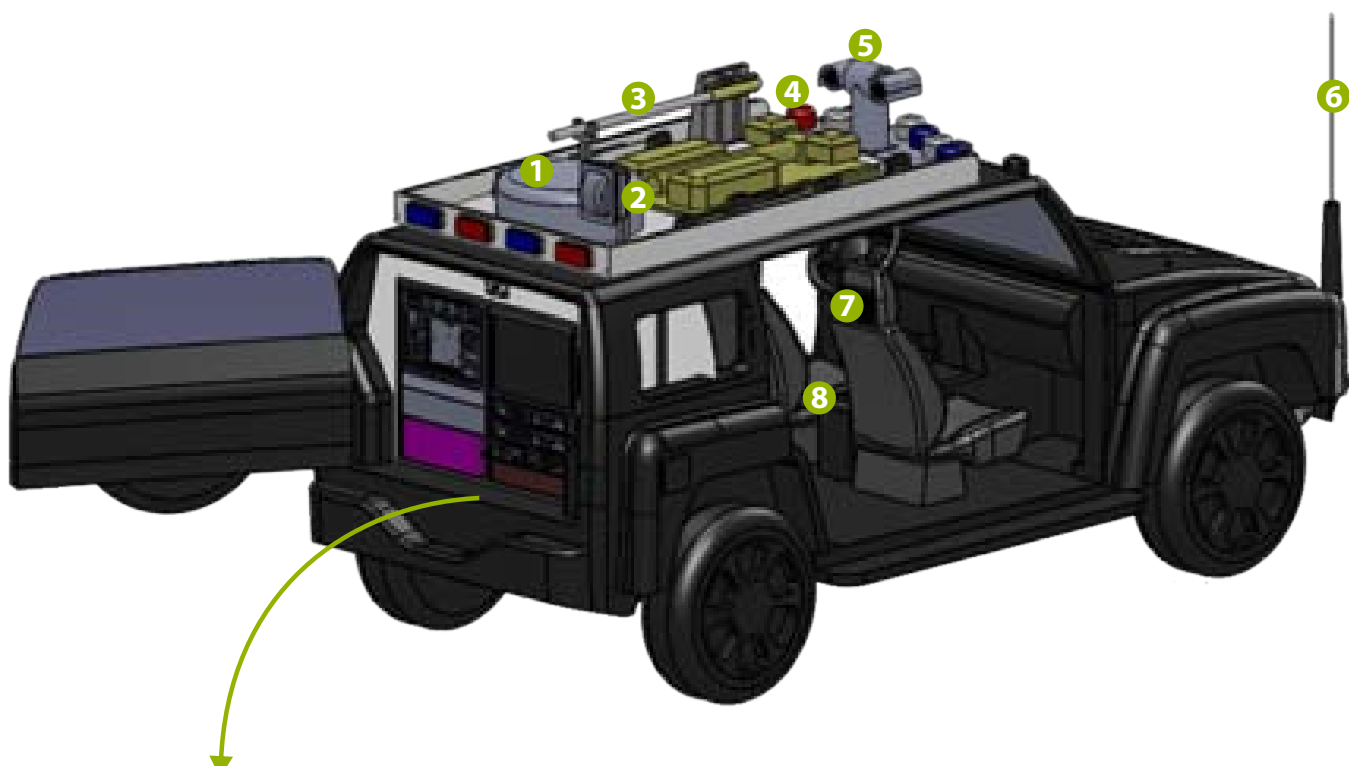


Vehicle-mounted Deployment

- As small size and light weight, DS-6801 supports a quick and independent deployment on the vehicle.



- With the modification of the communication vehicle, DS-6801 supports embedded installation on the vehicle.



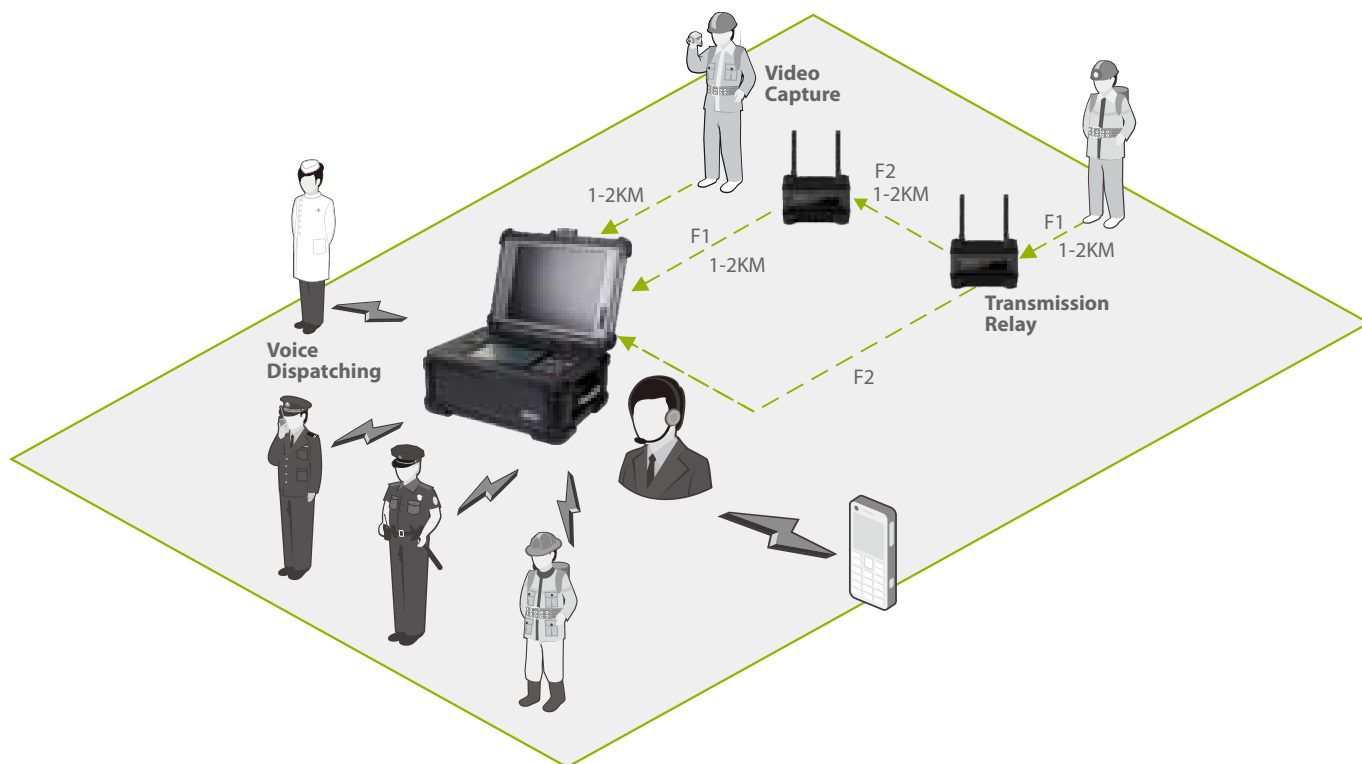
- | | |
|-------------------------------------|----------------------------|
| A DS-6801 | 1 Satellite Antenna |
| B LED Display | 2 Wi-Fi AP |
| C Wireless Video Receiver | 3 Lodging antenna |
| D Wireless Video Transmitter | 4 Lighting System |
| E Repeater | 5 PTZ Camera |
| F Power Management Module | 6 Shortwave Antenna |
| | 7 Headrest Screen |
| | 8 Mobile Radio |

Pictures above are for reference only and may vary from actual products.

System Networking

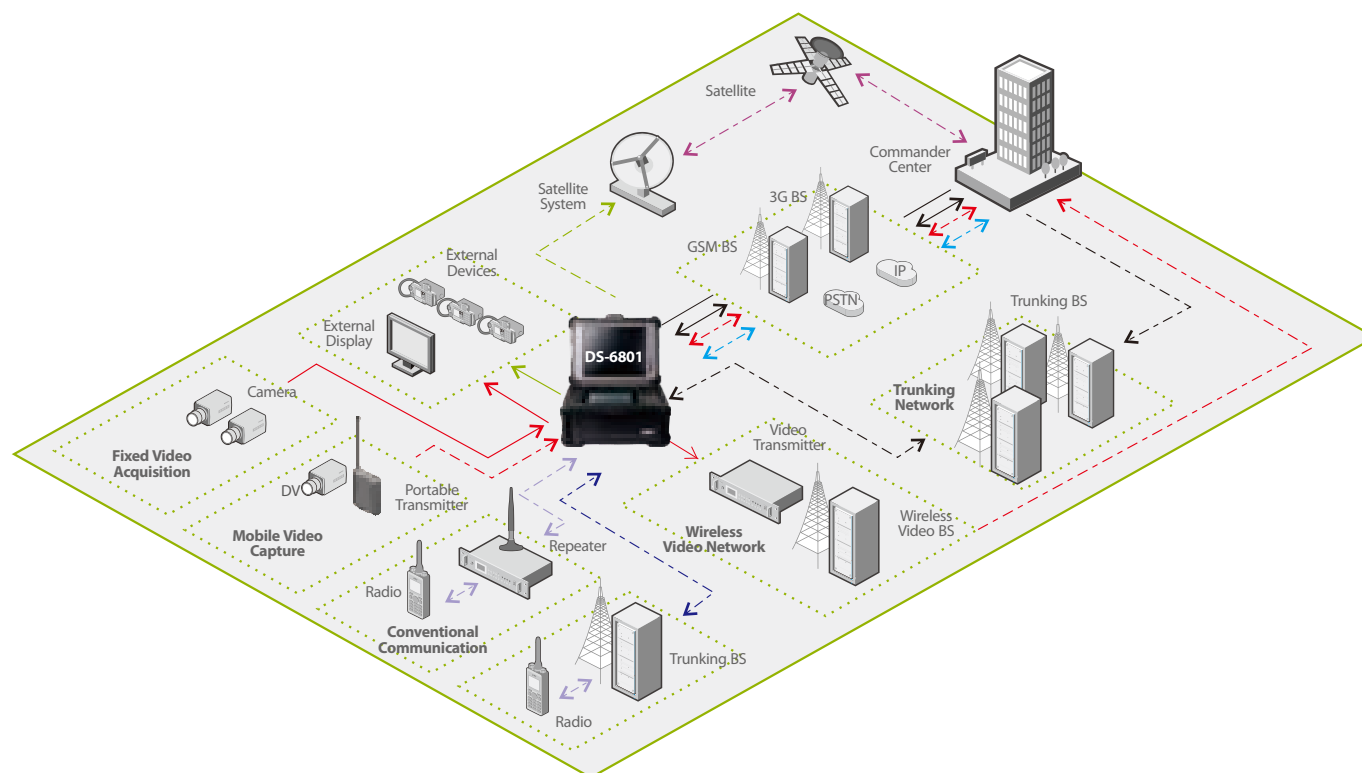
Field Dispatching

- DS-6801 is working as a local voice & video dispatching center.



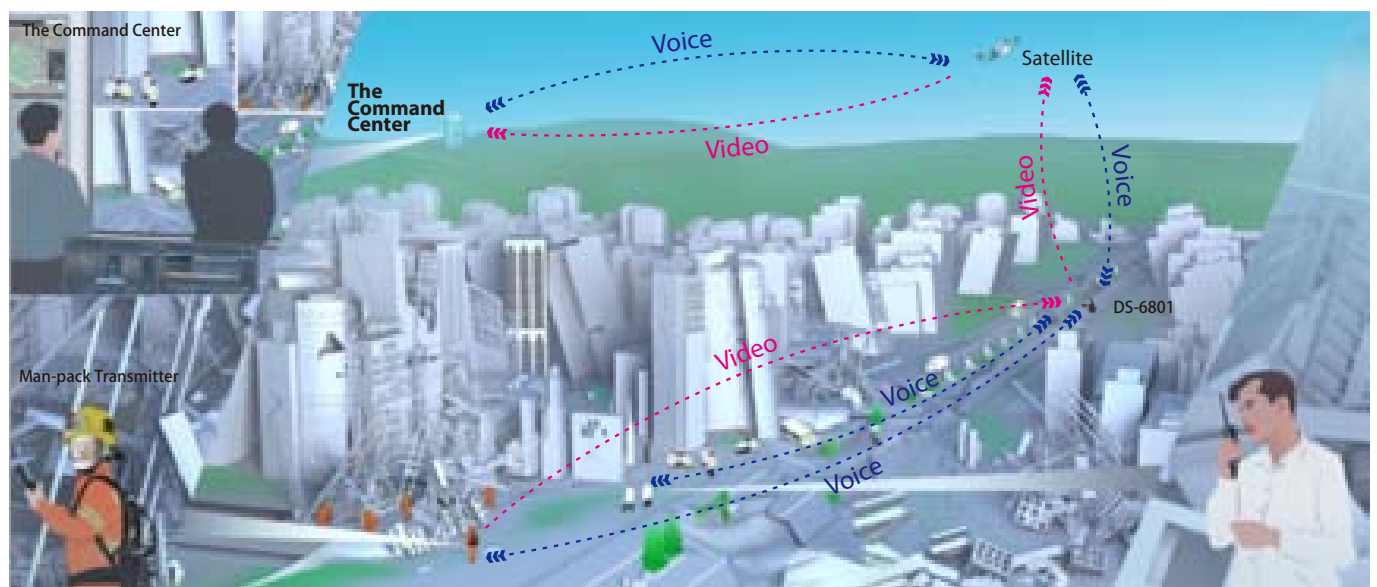
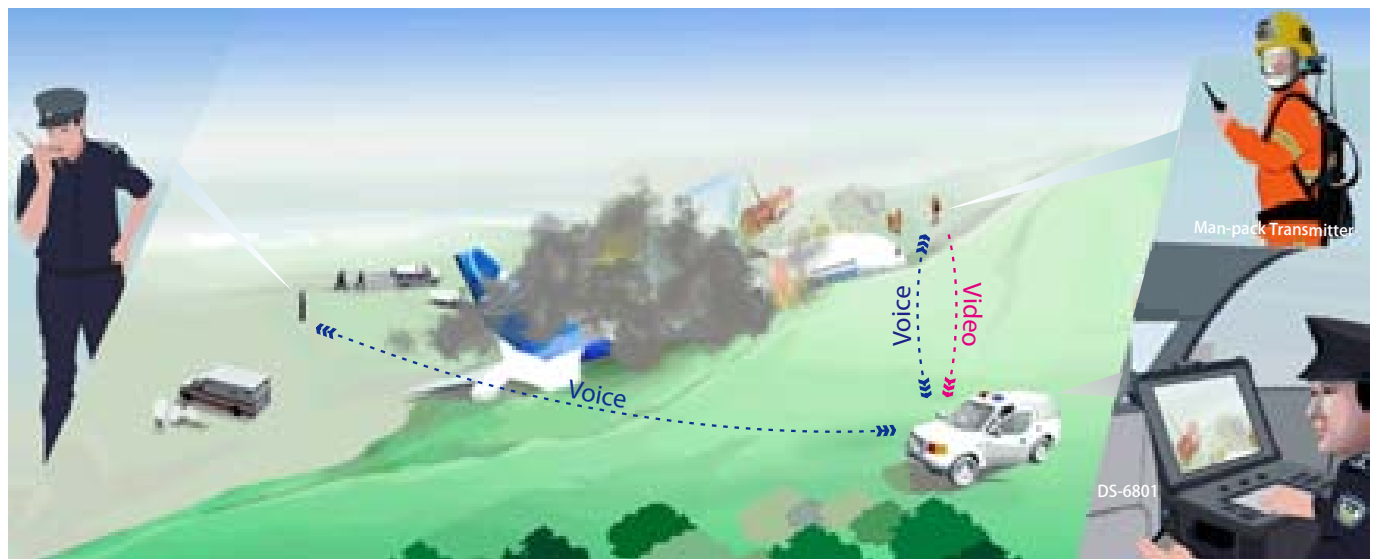
Integrated Dispatching

- DS-6801 is working as a part of integrated dispatching system, voice & video information can be transmitted to the high level commander center.



Typical Applications

- DS-6801 can be quickly deployed on site as an unified voice & video dispatching platform to provide reliable communication solution for incidents like unexpected accidents rescue, natural disaster rescue, major events security, etc.



System Configuration

Standard Package



Main unit



Power Supply Box



Antenna bag

Optional Accessories



Man-pack Transmitter



Portable Repeater



Mobile Radio



Portable Radio



Portable Satellite Base Station



External Li-ion battery



Trailer



Transmission Relay

Pictures above are for reference only and may vary from actual products.

Specifications

General Specifications	Battery at full load working hours	≥ 4 hours
	Battery charging time	≤ 8 hours
	External power supply	90-240 VAC
	Storage capacity	64GB (video); 1GB (audio)
	Input operation	10.4-inch touch screen and shortcut keys
	Operating Temperature	$-20^{\circ}\text{C} \sim +60^{\circ}\text{C}$
	Operating Humidity	20%-85%
	Power consumption	$< 200\text{W}$
	Main unit size	506*386*250mm (with handle)
	Main unit weight	19 \pm 1kg (depending on the configuration)

Voice Specifications	Voice module type	DMR	TETRA
	Transmit power	25W	10W
	Receiver sensitivity	$\leq -110\text{dBm}$ (digital) $\leq -105\text{dBm}$ (analog)	$\leq -112\text{dBm}$
	Multi-party call	Up to six-party conference call	

Video Specifications	Video receiving sensitivity	-104dBm (2MHz); -95dBm (8MHz)
	Decoding standard	H.264
	Receive frequency	391-399MHz, other frequencies can be customized
	Channel bandwidth	2/8MHz
	Grey scale	\geq Level 8 (2MHz); \geq Level 9 (8MHz)
	Audio and video synchronization error	$\leq 80\text{ms}$
	Interrupt recovery time	$\leq 2\text{s}$
	Image resolution level	2MHz, $\geq 420\text{TVL}$; 8MHz, $\geq 800\text{TVL}$
	Image quality	2MHz, D1; 8MHz, 720P, 1080i
	Image processing	Support 4-channel images storage, playback and split.

Display Specifications	Type	LED-backlit industrial grade highlight display
	Size	17 inch
	Brightness	800 (cd/m2)
	Resolution	1280*1024

All specifications are subject to change without notice due to continuous development.

